

# PRE-QUALIFICATION 2025



SOGEC is part of



KABBANI  
CONSTRUCTION  
GROUP®

**sogec**  
Specialized Oil & Gas Engineering Co. Ltd.

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# 1. IKK Group



# Isam Khairi Kabbani Group

## Trust The Blue



Isam Khairi Kabbani, Your Partner since 1968.

Established in 1968, Isam Khairi Kabbani Group (IKK) is a leading Saudi family business and a pioneer in the construction industry. Our extensive portfolio encompasses every aspect of ambitious projects, including foundational infrastructure, building and construction materials, integrated contracting and engineering solutions, maintenance, building envelope and facade solutions, and refined interior solutions. Operating across multiple countries worldwide, we excel through mastering key business segments: Manufacturing, Trading, Contracting, Engineering, and Maintenance. This broad expertise enables us to address the diverse needs of the construction industry and beyond, including the food industry.

**Blue** is our identity, from where we began and continue...

The endless blue hues of Jeddah's skies and shores, where our story began, and our founder's deeply rooted passion for the ocean and sailing have always inspired us to push beyond the boundaries of possibilities, playing an impactful role in the Saudi economy and the region. It shaped the group's vision and mission to continue to drive IKK Group forward on its journey of growth and excellence and to be the first choice of our stakeholders.



## 1. IKK Group

### IKK Vision

Maintaining our leading position in the construction industry and beyond, by building the future of the communities we serve.

### IKK Mission

Our mission is to provide innovative solutions tailored to meet construction market needs, serving the Kingdom of Saudi Arabia, the MENA Region, and key markets worldwide through our manufacturing, trading, and contracting capabilities

### IKK Values

The Blue Commitment

#### » Excellence

Standing as a benchmark for quality and distinction.

#### » Integrity

Accomplishing what we promised to achieve.

#### » Innovation

Embracing challenges as opportunities for business advancements.

#### » Impact

Striving to create a better present and future for all.

#### » Respect

Earning your trust with consideration, collaboration, and appreciation.



## 2. Kabbani Construction Group



## 2. Kabbani Construction Group

### About KCG

IKK's contracting arm consists of 24 engineering & construction companies providing specialized engineering and construction services integrated to deliver advanced turnkey solutions for residential and commercial sectors throughout the region. We drive the development of specialized contracting and set benchmarks of highquality standards. KCG leverages its experienced and highly qualified workforce over the years to deliver cutting-edge services.

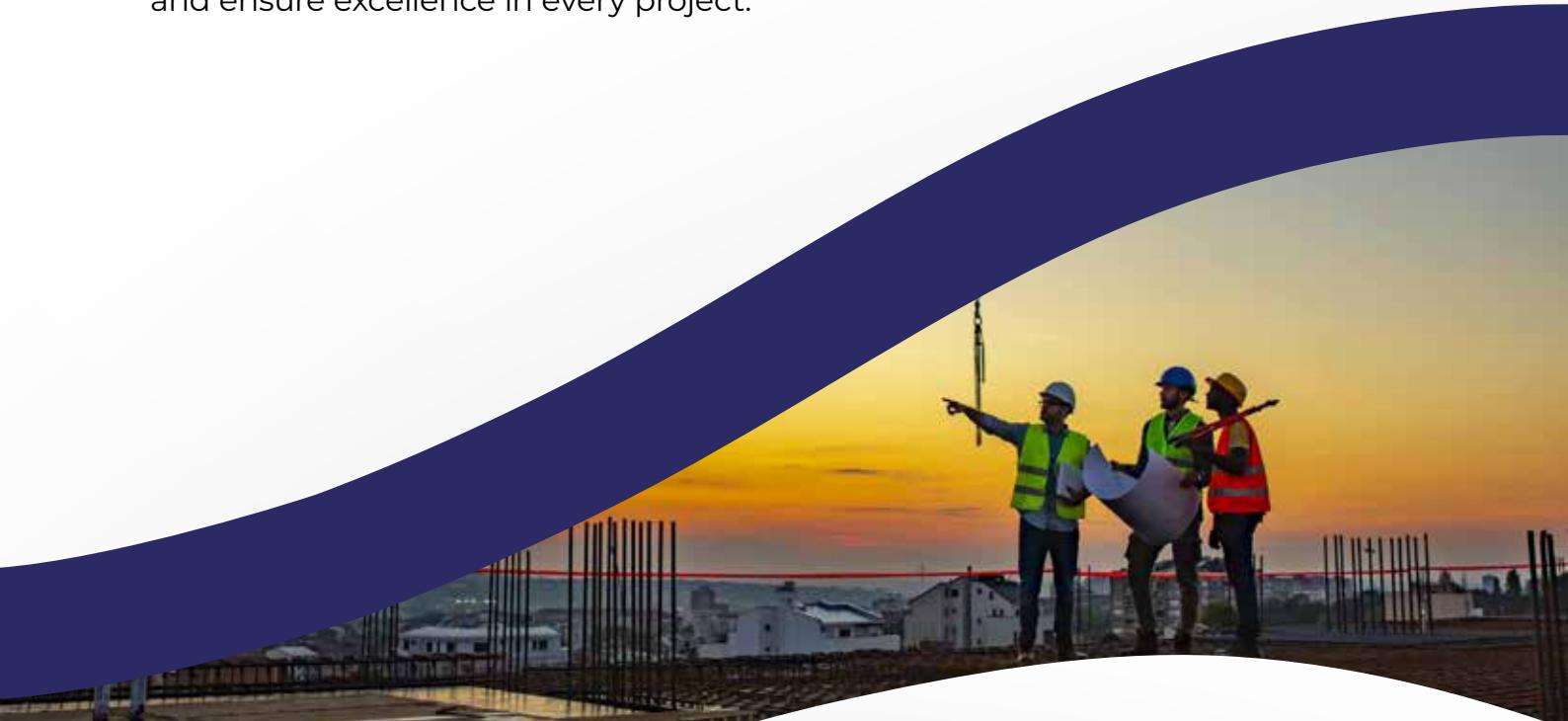
Since its inception in the 70s, KCG has grown to be a leading specialized contractor in the GCC & MENA regions. KCG is driven by innovation to provide integrated specialized construction services with advanced engineering solutions to provide full & tailored contracting services. We are offering Turnkey Services for commercial and residential sectors, Enabling & Road Works, Infrastructure Construction & Development, Tunneling (Pipe Jacking and Segmental), Oil and Gas Special Services, Urban Development, Airfield Construction Services, Fit-Out, Structure Protective Coating & Insulation Systems, Archaeological Investigation, Heritage Services (Consultancy, Conservation, and Restoration), Structural Condition Assessment, Structural Strengthening & Rehabilitation, Building Information Modeling (BIM) Services & Reality Capture, and Solar Energy Solutions.

#### **KCG Vision:**

KCG's vision is to be the leading provider of comprehensive solutions, leveraging smart construction innovation to strengthen competitiveness in our core business areas while positively impacting society and the environment through advanced, sustainable solutions. We aim to craft the future of construction through exceptional quality and digitalization.

#### **KCG Mission:**

Our mission is to guarantee the most satisfying project execution by being the resolution developer. Driven by quality, trust, and accountability, we deliver customer-centric solutions with advanced problem-solving approaches that inspire and ensure excellence in every project.



### 3. KCG Group of Companies



### 3. KCG Group of Companies

	.... • Construction Services & Maintenance		.... • Jointless Flooring Contracting
	.... • Enabling Works, Shoring, Piling, & Dewatering		.... • Airfield Construction & Maintenance
	.... • Waterproofing, Thermal Insulation, and Lining		.... • Post-Tensioning Systems
	.... •  Exterior Insulation & Finishing Systems		.... • Condition Assessment & Infrastructure Management Solutions
	.... • Airports, Roads & Infrastructure		.... • Concrete Repair & Soil Improvement
	.... • Concrete Precast Fabrication & Erection		.... • Heritage, Restoration & Conservation
	.... • Advanced 3D Printing & Revolutionary Building Solutions		.... • Archaeological Field Management Solutions
	.... • Electromechanical Contracting Company		.... • Marine Works & Infrastructure
	.... • Renewable Energy Systems		.... • Cathodic Protection & Heat Treatment
	.... • Fit-Out & Interior Contracting		.... • Industrial Construction, Repair & Maintenance
	.... • Exhibitions & Museums Solutions		.... • Micro-Tunneling & Tunneling Technologies
	.... • Specialized Architectural Finishes		.... • Soil Stabilizing Techniques
	.... • Protective coating Solutions, Insulation, Scaffolding & Rock Theming		.... • Waterproofing, Damp Proofing & Firestopping



Scan for more info  
about KCG companies

## 4. KCG Health and Safety



## 4. KCG Health and Safety

# Health and Safety

Kabbani Construction Group ultimate aim is to achieve zero harm by providing safe working conditions, processes and people who work safely. In accordance with any Governmental Health, Safety, Environmental and Welfare legislation, and any associated local regulations, it is the policy of Kabbani Construction Group (KCG) to ensure, so far as is reasonably practicable, the health and safety, while at work, of all employees, contractors, visitors and members of the public entering KCG premises including jobsites. Information, instructions and guidance on specific matters relating to HSE at work are communicated, when needed via KCG Safety Statements. It is the duty of all stakeholders, contractors and visitors to observe such codes and to follow all instruction and guidance.

KCG health and safety management system is accredited and approved to:

### 1. ISO 45001:2018

ISO 45001 is an international standard for health and safety at work developed by national and international standards committees' independent of government.

### 2. ISO14001:2015

ISO 14001 sets out the criteria for an Environmental Management System. It can provide assurance to company management and employees as well as external stakeholders that environmental impact is being measured and improved. It is the most widely used EMS in the world.



## 5. About SOGEC



## 5. About SOGEC

### Who We Are

SOGEC (Specialized Oil & Gas Engineering Company) is a part of Kabbani Construction Group, which was established in 1979 and commenced its activities as a specialized maintenance contractor. It grew steadily over the past 30 years to become consistently rated among the 50 largest companies in Saudi Arabia.

Taking advantage of the group's financial & human resources, SOGEC was initially launched in 2001 as a part of the Kabbani Construction Group to meet the acute needs of Cathodic Protection, Corrosion Control, Vapor Corrosion Inhibitor, Non-destructive Testing, Heat Treatment, and Inspection Services required by the oil & gas industry through the vast experience gained by the division's engineering and technical staff.

SOGEC is a registered vendor with the following well reputed end clients:

Company	Registration Number
Saudi Aramco (Vendor Number)	10007275
Saudi Aramco (Plant Number)	30005501
Yanbu Aramco Sinopec Refining Company (YASREF)	100558
SABIC	502282
Petro Rabigh	101737
MARAFIQ	818
SATORP	10706
Saudi Electricity Company (SEC)	1000936
SAMREF	20420
Petro Kemya	500539
Sahara Petrochemicals	100881
Ma'aden Company	8508
Farabi	102110
National Water Company (NWC)	17425
Saline Water Conversion Corporation (SWCC)	1587
Sadara Chemical Company	1000000887
Abu Dhabi Company for Onshore Petroleum Operations (ADCO)	47637
Zakum Development Company (ZADCO)	102553
Joint Supplier Registration System (JSRS)	SA100049
Al-Khafji Joint Operations (KJO)	102572
Kuwait National Petroleum Company (KNPC)	1007457
Kuwait Oil Company (KOC)	14622

### Our Vision

To be the chief source of Corrosion Control, Non-Destructive Testing, Heat Treatment, and Inspection Services in the Middle East by providing safe, reliable, and cost-effective solutions and services.

### Our Values

We **CARE** about the community by being active in social contributions.  
We **RESPECT** all individuals, whether customers, suppliers, or team members.  
We **PROTECT** assets that are the reason for a better lifestyle.  
We **SUPPORT** all our contacts, anytime, anywhere.  
We **HONOR** commitments with all our affiliates.



## 6. SOGEC Services



## 6. SOGEC Services

### 1. Cathodic Protection

- Pre-Design & Site Survey of the Cathodic Protection System
- Cathodic Protection System Design
- Manufacturing & Supply of Cathodic Protection Materials
- Installation of Cathodic Protection Systems
- Testing, Commissioning & Monitoring of Cathodic Protection Systems

### 2. Corrosion Monitoring

- Internal Corrosion Services
- External Corrosion Services
  - Over-the-line Surveys
  - Direct Assessment (ECDA & SCCDA)

### 3. AC Interference Mitigation System

### 4. Vapor Corrosion Inhibitor (VCI)

- Chime Ring Dry
- Chime Ring Injection
- Underside Injection
- Underside Drip Tube
- Dry Tube
- Internal Flood
- Inhibitor IDS System benefits
- Solution Effectiveness
- Pipeline Casing Protection (Liquid, powder & Gel)
- Equipment Preservation

### 5. Non-Destructive Testing (NDT)

- Advanced NDT Services:
  - Phased Array Ultrasonic Testing (PAUT).
  - Time-of-flight diffraction (TOFD)
  - Tube Inspection Services (ECT, MFL, RFT, NFT & IRIS)
  - Magnetic Flux Leakage Tank Floor Inspection (MFLT)
  - Boroscope Inspections
  - Corrosion Mapping Services

### • Conventional NDT Services:

- Ultrasonic Thickness Gauge Testing (UTT)
- Radiographic Testing (RT)
- Radiographic Testing – SCARPRO
- Digital Radiography Testing (DR)
- Ultrasonic Shear Wave Testing – UT
- Paint & Coating Thickness Testing.
- Magnetic Particle Testing (MPT)
- Dye Penetrant Testing (DPT)
- Ferrite Testing (FT)
- Leak Detection
- Visual Inspection
- Holiday Test

### 6. Heat Treatment

- Post Weld Heat Treatment – PWHT
- Pre-Heating
- Refractory Dry-out
- Solution Annealing
- Hardness Testing
- Furnaces
- Stress Relieving
- Internal Firing
- Positive Material Identification – PMI
- Normalizing

### 7. Inspection Service

- PQR Qualification
- WQT Witnessing
- API Inspection
- Supporting Services:
  - Technical Support Services for Shutdowns or Longterm - In-situ Metallography
  - Welding Procedure Qualification Record and Welder Qualification Testing
  - Painting and Coating Inspection

### 8. Off-Grid Solar Services

- Project Development
- EPC Turnkey Services
- Operation & Maintenance

# 1. Cathodic Protection

whether the project is a pipeline, tank, offshore, or concrete structure, SOGEC will design the right, economical, and most efficient Cathodic Protection (CP) System to protect the structure with the minimum required maintenance.

### **Cathodic Protection Services include:**

- 1.1. Pre-Design & Site Survey of The Cathodic Protection System.
- 1.2. Cathodic Protection System Design.
- 1.3. Manufacturing & Supply of Cathodic Protection Materials.
- 1.4. Installation of Cathodic Protection Systems.
- 1.5. Testing, Commissioning & Monitoring of Cathodic Protection Systems.



## 6. SOGEC Services

### 1.1. Pre-Design & Site Survey Of The Cathodic Protection System

An initial survey is usually conducted to identify site conditions relevant to structures requiring Cathodic Protection. The survey would involve the investigation of many factors. The results of the survey, in conjunction with information on the structure/plant to be protected, are used in the design.

### 1.2. Cathodic Protection System Design

The design process takes into account practicality, cost-effectiveness, client requirements, and specifications. Our engineering team, which includes NACE-certified CP-3 Technologists and CP-4 Specialists, uses software and complex calculations to determine the type of system to be used, whether a sacrificial or impressed current system. Design packages submitted to clients typically include detailed drawings, material specifications, bills of materials, installation procedures, inspection test plans, method statements, construction schedules, and other relevant information.

### 1.3. Manufacturing & Supply of Cathodic Protection Materials

With a 4,000-square-meter manufacturing facility in Dammam, Saudi Arabia, SOGEC assembles and manufactures a wide range of Cathodic Protection materials with different product lines, ranging from simple anodes to complex Transformer Rectifiers. Below is a simple list of what SOGEC can fabricate, assemble, and supply to its customers in different types & sizes:

- Sacrificial Anodes (Magnesium, Zinc, Aluminum, etc..)
- High-Silicon Iron Anodes (TA-4, TA-5, TA-2, etc...)
- Mixed Metal Oxide (MMO) Tubular Anodes, Ribbon
- Anodes, Mesh Ribbon Anodes
- Conductor Bars
- Junction & Bonding Boxes
- Test Stations
- Reference Electrodes (RE)
- Cables (HMWPE, KYNAR/HMWPE, THHN, XLPE/PVC, etc..)
- CP Transformer Rectifiers (Solar, Air-Cooled, Oil-Cooled, Conventional, Auto-Potential, Variac, etc...)
- Monitoring Systems

### 1.4. Installation of Cathodic Protection System

SOGEC's experienced engineers and technicians can install or supervise the installation of any cathodic protection system in any part of the GCC. Our team has one of the highest numbers of NACE-certified CP-2 Technicians in the GCC, and we are committed to providing our customers with high-quality installation services. We can install a variety of systems, from simple ribbon anode systems for external tank bottoms to complex deep anode ground beds, including drilling and civil works.

## 6. SOGEC Services

### 1.5. Testing, Commissioning & Monitoring of Cathodic Protection Systems

After the installation of the Cathodic Protection System, SOGEC engineers will test, commission, and adjust the system as needed to achieve the required level of protection for the structure. A detailed report on the system's performance is submitted at the end of each project, along with complete As-Built drawings. SOGEC offers a monitoring procedure to maintain control of the Cathodic Protection System with regular inspections, ensuring continuous protection.



## 2. Corrosion Monitoring Services

SOGEC's corrosion monitoring services go beyond surface-level inspections, delving deep into the heart of your systems to uncover hidden threats. Our advanced techniques and cutting-edge technology ensure that no corrosion issue goes undetected, empowering you to make informed decisions and maintain the integrity of your critical infrastructure.

### **Corrosion Monitoring Services include:**

- 2.1. Internal Corrosion Services
- 2.2. External Corrosion Services
  - Over-the-line Surveys.
  - Direct Assessment (ECDA & SCCDA)



### 2.1. Internal Corrosion Services

Alongside external corrosion services, SOGEC is evolving in the Internal Corrosion field and is currently capable of developing sound Corrosion Management Programs and provides Corrosion Monitoring Services starting with an online coupon and probe retrieval thru corrosion analysis at our well-established in-house Laboratory into data logging and remote monitoring.

- Corrosion Coupons Installation and retrieval
- Weight loss analysis to determine corrosion rates
- Visual inspection for pitting or localized corrosion
- Electrical Resistance (ER) Probes Retrieval and Installation
- Real-time corrosion rate measurement
- Ultrasonic Thickness Monitoring
- Periodic or continuous wall thickness measurements
- Sampling and analysis for microbiologically influenced corrosion (MIC)
- Identification of sulfate-reducing bacteria (SRB), acid-producing bacteria (APB), etc.
- Chemical Injection Quills Retrieval & Installation



## 6. SOGEC Services

### 2.2. External Corrosion Services

SOGEC's external corrosion services offer a critical lifeline for pipeline operators in Saudi Arabia. With a deep understanding of the region's unique environmental factors, our team of experts tackles the challenges of external corrosion head-on, ensuring the integrity and longevity of your vital infrastructure.

#### 2.2.1. Over the Line Surveys

SOGEC offers a wide range of over-the-line surveys like CIPS, DCVG, ACVG, PCM, ACCA, Soil Resistivity, Redox Potential, GIS mapping, Geophysical, and other survey techniques that help assess the cathodic protection system functionality, coating condition, and soil corrosivity.

#### 2.2.2. Direct Assessment (ECDA & SCCDA)

Our ECDA & SCCDA services are designed to proactively identify and mitigate external corrosion threats to buried pipelines, ensuring asset integrity and regulatory compliance. We follow a structured, data-driven approach aligned with industry standards such as NACE SP0502 and SP0204. The direct assessment process consists of the following four steps:

##### a. Pre-Assessment:

Collection and analysis of historical data, pipeline design, coating type, and environmental conditions to define ECDA regions and select appropriate indirect inspection tools.

##### b. Indirect Inspection

Deployment of non-intrusive techniques such as Close Interval Potential Surveys (CIS), Direct Current Voltage Gradient (DCVG), and Alternating Current Voltage Gradient (ACVG) to detect coating defects and areas of potential corrosion.

##### c. Direct Examination

Excavation and physical inspection of selected pipeline locations to validate indirect inspection results and assess corrosion severity.

##### d. Post-Assessment

Integration of all data to evaluate pipeline integrity, determine corrosion rates, and recommend mitigation actions or re-assessment intervals.

## 6. SOGEC Services

### Benefits of Direct Assessment Process:

- Enhances pipeline safety and reliability
- Reduces unplanned outages and repair costs
- Supports compliance with regulatory requirements
- Enables targeted maintenance and risk-based decision-making



### 3. AC Interference Mitigation System

Through experienced and well-trained engineers and technicians, SOGEC at present time is capable of designing in-house the safest and most cost-effective AC interference mitigation systems. Complicated software and authorized licenses used in the design stage are one of the most advanced in their field. Lately, SOGEC has successfully designed, supplied, installed, and commissioned AC Mitigation Systems for various clients in the market.



### 4. Vapor Corrosion Inhibitor (VCI)

SOGEC/Zerust Oil & Gas Tank SSB Inhibitor Delivery System (IDS) offers a variety of VCI services that can help mitigate the underside corrosion of aboveground storage tanks. Our services are cost-effective and can be used on single or double-tank bottoms, regardless of the substrate.

We offer a variety of VCI Delivery Systems, including chime ring dry, chime ring injection, underside injection, underside drip tube, dry tube, and internal flood. These systems can help extend the serviceable life of assets by protecting them from corrosion.

#### **Vapor Corrosion Inhibitor Services include:**

- 4.1. Chime Ring Dry
- 4.2. Chime Ring Injection
- 4.3. Underside Injection
- 4.4. Underside Drip Tube
- 4.5. Dry Tube
- 4.6. Internal Flood
- 4.7. Inhibitor IDS System benefits
- 4.8. Solution Effectiveness
- 4.9. Pipeline Casing Protection (Liquid, powder & Gel)
- 4.10. Equipment Preservation



## 6. SOGEC Services

### 4.1. Chime Ring Dry

Chime Ring Dry IDS Solution is recommended for storage tanks with concrete or bitumen foundations. An innovative VCI/SCI (Soluble Corrosion Inhibitor) injection system is used to protect the tank bottom from corrosion. Perforated PVC pipe is installed around the entire annular chime area. The VCI dry sleeves are installed into the PVC pipe, and the system is sealed to create an enclosure to contain the VCIs. The VCIs migrate and absorb onto the metal surface. The diffusion of VCIs provides corrosion protection in the critical 3 to 4 meters from the annular chime ring.

### 4.2. Chime Ring Injection

Chime Ring Injection IDS Solution is suitable for storage tanks with concrete, bitumen, or sand with liner foundations. Innovative VCI/SCI (Soluble Corrosion Inhibitor) injection system to protect the tank bottom from corrosion. As the inhibitor slurry is pumped into the perforated PVC chime ring system, the VCIs migrate and absorb onto the metal surface. Meanwhile, the liquid inhibitor slurry works to neutralize any contaminants it may contact on either the bottom plates or the foundation. The combination of VCIs and SCIs works together to protect vulnerable areas of the tank bottom plates from corrosion.

### 4.3. Underside Injection

Underside Injection IDS solution is designed for tanks with compacted sand fill and Release Prevention Barriers (RPBs), double bottoms with sand between the old and new floors, or tanks sitting on a hard pad such as concrete or asphalt. As the slurry flows throughout the entire sand bed, the SCIs effectively neutralize contaminants on contact. Conversely, the VCIs emitted by the slurry migrate and absorb onto the metal surface. The VCIs permeate the sand bed through capillary action and gravity, providing protection to the entire tank floor.

### 4.4. Underside Drip Tube

The Underside Drip Tube IDS is an innovative solution that protects tank bottom plates of single- or double-bottom tanks during construction or new floor installation. A network of perforated PVC pipes with mesh sleeves is installed in rings on top of the tank liner in the sand foundation. Low-viscosity inhibitor slurry is pumped into the designated ring wall port(s) into the sand bed, and the perforated PVC pipe network distributes the slurry evenly throughout the system. The VCIs are released from the sand bed, protecting the metal bottom plates of the tank. The SCIs in the inhibitor neutralize contaminants in the sand bed. The injection port(s) can be used for future inhibitor injections.

### 4.5. Dry Tube

The IDS system is designed to protect tank bottom plates during construction or new floor installation. This solution benefits tanks with concrete, bitumen, or compacted sand foundations with or without liners. Shallow trenches are cut

## 6. SOGEC Services

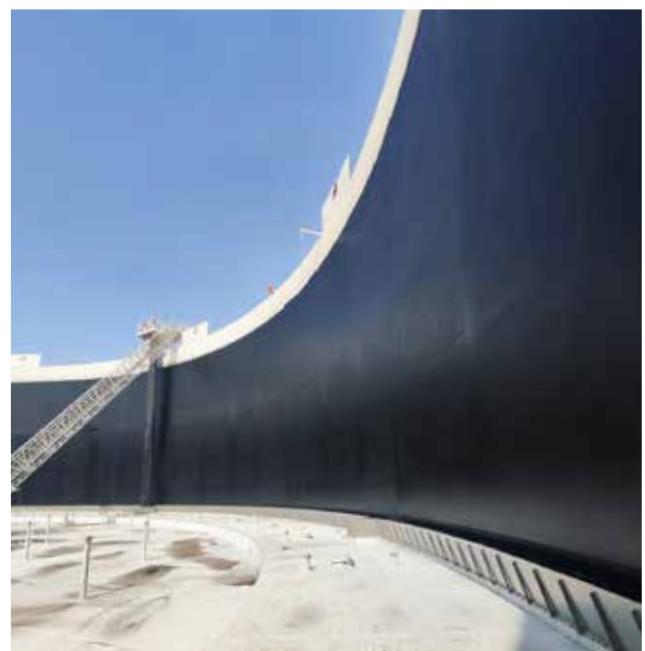
into the foundation. Perforated, mesh-covered PVC pipes are placed within the trenches, and the trenches are then filled with sand. and dry mesh sleeves of VCI inhibitor are installed into each of the pipe tubes. VCIs work to mitigate corrosion on the metal bottom plates of the tank.

### 4.6. Internal Flood

The Internal Flood IDS solution is suitable for tank foundations of concrete, bitumen, or compacted sand with a liner. Low-viscosity inhibitor slurry is pumped into one or more temporary injection ports installed in selected locations through the tank floor. The VCIs emitted by the slurry migrate and absorb onto the metal surface. The SCIs work to neutralize any contaminants they may come into contact with on either the bottom plates or foundation.

### 4.7. Inhibitor IDS System benefits

- Provides the option for replenishment.
- Can be combined with simple monitoring.
- Procedures to ensure the effectiveness of the solution.
- Corrosion protection for voids & interstices that are impossible to protect with other methods.
- Protection for tank bottom plates and welds with little to no surface preparation.
- VCIs offer non-permanent corrosion protection at the molecular level that is safe and eco-friendly.
- Zerust's methods of VCI dispersion ensure.
- Uniform distribution. The service life of the tank bottom can be increased. Significantly at a minimal cost.



## 6. SOGEC Services

### 4.8. Solution Effectiveness IDS

Solutions are comprehensive and proven methods for protecting storage tanks with soil-side bottoms. IDS solutions reduce overall costs for tank farm owners while increasing corrosion efficacy. Tank operations do NOT need to be stopped during the inspection or maintenance of the SSB solutions.

### 4.9. Pipeline Casing Protection (Liquid, powder & Gel)

### 4.10. Equipment Preservation

### 5. Non-Destructive Testing (NDT)

With more than 20 years of experience in providing Advanced & Conventional Non-Destructive Testing Services NDT services, utilizing standardized procedures, certification programs, and audit tracking, SOGEC has become a leader in the Non-Destructive Testing NDT industry. These services are the fundamental basis for most inspection and reliability programs. Our Non-Destructive Testing Services encompass a wide range of Inspection, Quality Assurance, and Quality Control offerings operating within the guidelines of our ISO 9001:2000 Quality Program. All in-house and field services are supported by our highly experienced management and engineering team, dedicated to customer service.

#### **Non-Destructive Testing Services include:**

- 5.1. Advanced NDT Services
- 5.2. Conventional NDT Services



## 6. SOGEC Services

### 5.1 .Advanced NDT Services

SOGEC has many years of individual and collective experience in the Advanced NDT Services, which includes:

- Phased Array Ultrasonic Testing (PAUT)
- Time-of-flight diffraction (TOFD)
- Tube Inspection Services (ECT, MFL, RFT, NFT & IRIS)
- Magnetic Flux Leakage Tank Floor Inspection (MFLT)
- Boroscope Inspections
- Corrosion Mapping Services

#### 5.1.1. Phased Array Ultrasonic Tasting (PAUT)

A Phased Array generates an ultrasonic beam with the capability of setting beam parameters. Applications include weld inspection, complex geometries, defect detection, and location and sizing. The ability to record weld scans and to visualize the reflectors and their position within the weld makes it a qualified technology and an excellent choice for projects constructed to Various National & International Codes.

#### 5.1.2. Time-of-Flight Diffraction (TOFD)

The Time-of-flight diffraction (TOFD) method of ultrasonic testing is a sensitive and accurate method for the non-destructive testing of welds for defects.

#### 5.1.3. Tube Inspection Services (ECT, MFL, RFT, NFT & IRIS)

SOGEC provides complete tube inspection services. This advanced tube inspection system has bundled five inspection technologies into a single unit. ECT, MFL, RFT, NFT & IRIS. Advanced Tubing Inspection NDT Methods For Boiler & Heat Exchanger Equipment In The Petrochemicals Industry To Supplement Major Turnaround Inspections.

The Usual Means Of Examination Is To Insert Some Type of Probe Into The Tubes, One At a Time, While Data Is Recorded For Later Interpretation. The Technologies Listed Below ( ECT, RFT, IRIS and MFL ) Are All Able To Detect Defects on the Out Side Of The Tube From The Inside.

## 6. SOGEC Services

### 5.1.4. Magnetic Flux Leakage (MFL) Tank Floor Inspection

Magnetic Flux Leakage (MFL) uses a powerful magnet to magnetize the conductive material under test (usually steel). Where there are defects -corrosion or material loss - the magnetic field “leaks” from the steel.

MFL probes incorporate a magnetic detector placed between the poles of the magnet where it can detect the leakage field. During the inspection, a magnetic circuit of sorts forms between the part and the probe. The magnetic field induced in the part saturates it until it can no longer hold any more flux. The flux overflows and leaks out of the pipe wall and strategically placed sensors can accurately measure the three-dimensional vector of the leakage field.

### 5.1.5. Borescope Inspections

SOGEC Advanced NDT Solutions provides a comprehensive Borescope Inspection Service. The borescope is an essential tool for inspecting of power plant components. Commonly used in high-value rotating power-plant equipment such as steam turbines, gas turbines and generators it is also extremely useful for checking the internal or to reach external surfaces of the boiler and HRSG tubes and piping.

### 5.1.6. Corrosion mapping Services

Corrosion mapping is a quantitative way to inspect a material where oxidation or erosion has reduced its thickness. Variations in material thickness due to corrosion can be identified and graphically portrayed as an image. The technique is widely used in the oil and gas industries for the in-service detection and characterization of corrosion in pipes and vessels. The data is stored on a computer and may be color-coded to show differences in thickness readings.



## 6. SOGEC Services

### 5.2. Conventional NDT Services

Conventional NDT Services include:

- Ultrasonic Thickness Gauge Testing (UTT)
- Radiographic Testing (RT)
- Radiographic Testing – SCARPRO
- Digital Radiography Testing (DR)
- Ultrasonic Shear Wave Testing – UT
- Paint & Coating Thickness Testing
- Magnetic Particle Testing (MPT)
- Dye Penetrant Testing (DPT)
- Ferrite Testing (FT)
- Leak Detection
- Visual Inspection
- Holiday Test

#### 5.2.1. Ultrasonic Thickness GaugeTesting (UTT)

Ultrasonic Thickness Testing (UTT) is a method of performing non-destructive measurement (gauging) of the local thickness of a solid element based on the time taken by the ultrasound wave to return to the surface.

#### 5.2.2. Radiographic Testing (RT)

Conventional RT is a nondestructive examination (NDE) method that uses X-rays and gamma rays for detecting internal imperfections, measuring wall thickness, and detecting corrosion.

#### 5.2.3. Radiographic Testing – SCARPRO

Perform Small Controlled Area Radiography (SCAR) radiographic inspections in close proximity to other trades, nucleonic process control equipment, and critical safety systems, such as visual flame detectors, to minimize the impact of RT on continuing operations or outage schedules. SCARPro, can obtain up to 98% reduction in exclusion zones compared to conventional radiography techniques.

#### 5.2.4. Digital Radiography Testing (DR)

Digital radiography is an advanced technology based on digital detector systems in which the x-ray image is displayed directly on a computer screen without the need for developing chemicals or intermediate scanning. The incident x-ray radiation is converted into an equivalent electric charge and then to a digital image through a detector sensor. Compared to other imaging devices flat panel detector provides high quality digital images with better signal to noise ratio and improved dynamic range, which in turn provides high sensitivity for radiographic application.

## 6. SOGEC Services

### 5.2.5. Ultrasonic Shear Wave Testing - UT

Shear-Wave Ultrasonic Testing, also known as an “angle-beam inspection,” is a UT technique that uses a probing ultrasonic transducer with a plastic wedge to test component strength. The probe conducts an ultrasonic beam at an angle into the test area, moving back and forth as it detects any flaws based on the refraction of the beam. From there, our highly skilled technicians evaluate the gathered information.

### 5.2.6. Paint & Coating Thickness Testing

Various methods of NDT are used for the measurement of coating thickness – paint thickness, plating thickness, anodising etc.

### 5.2.7. Magnetic Particle Testing MPT

Magnetic particle inspection is used to locate surface breaking defects and is used on ferrous materials to look for cracks, laps, seams, voids, pits, and other surface defects or slightly subsurface defects. It can be performed in-house or in the field.

### 5.2.8. Dye Penetrant Testing (DPT)

Penetrant inspection is used to locate surface breaking defects and is used on materials such as metals, composites, and ceramics, identifying surface anomalies such as cracks, seams, blow holes, laps, external bursts, and welding defects. It can be performed in-house or in the field.

### 5.2.9. Ferrite Testing

Ferrite testing, also referred to as a ferrite scope test, is a rapid non-destructive inspection method used to measure the amount of delta ferrite on austenitic stainless steel and duplex stainless steel materials.

### 5.2.10. Leak Detection

Leak Detection covers a wide range of techniques used to detect the leakage of fluids from the test part. In most cases, fluids are pressurized on one side of the test part.

## 6. SOGEC Services

### 5.2.11. Visual Inspection

Visual inspection is the basis for all NDT inspection programs. commonly used NDT method across all industries. It allows for a feasible and fast control of quality at every step of the fabrication or maintenance process. Visual Testing (VT) is used to detect visible flaws such as deformation, welding defects and corrosion. Many tools can be used during the inspection such as a ruler, gauges, cameras, etc.

### 5.2.12. Holiday test

Holiday test or a Continuity test is one of the non destructive test method applied on protective coatings to detect unacceptable discontinuities such as pinholes and voids. The test involves checking of an electric circuit to see if current flows to complete the electrical circuit.



# 6. Heat Treatment

Heat Treatment Services: SOGEC has a high level of knowledge and experience in this service and a variety of equipment to make sure that client needs related to Heat Treatment are fulfilled with the utmost quality.

The HT team consists of around 97 experienced employees of different crafts (Engineers, Technicians, Inspectors, Helper, Specialists, etc...).

### **Heat Treatment Services include:**

- 6.1. Post-Weld Heat Treatment (PWHT)
- 6.2. Pre-Heating
- 6.3. Refractory Dry-out
- 6.4. Solution Annealing
- 6.5. Hardness Testing
- 6.6 Furnaces
- 6.7. Stress Relieving
- 6.8. Internal Firing
- 6.9. Positive Material Identification (PMI)
- 6.10. Normalizing



## 6. SOGEC Services

### 6.1. Post-Weld Heat Treatment (PWHT)

Post-Weld Heat Treatment Services (PWHT) are defined as one of the heat treatment methods done after welding/machining to improve the Chemical and/or mechanical properties of weldments/machined surfaces. In concept, PWHT covers many different potential treatments. However, in steel fabrication, the most common procedure used is Stress relief. It can be applied to pipelines, steel structures, vessels, boilers, tanks, etc. SOGEC has a variety of electrical and firing equipment to make sure that client needs are fulfilled with the utmost quality.

### 6.2. Pre-Heating

Preheating involves raising the temperature of the parent material locally, on both sides of the joint, to a value as specified in codes. The need for preheating is usually determined by the applicable fabrication code and verified by the weld procedure qualification test. Preheat may be required as an aid to welding for one of the four basic reasons:

- To control the rate of cooling,
- To control the diffusion rate of hydrogen in a welded joint.
- To reduce thermal stress.
- Compensation for heat loss.

### 6.3. Refractory Dry-out

SOGEC has extensive experience in the field of refractory dry-out and in controlled heating and ventilation for the drying of specialized refractory linings used in process industries such as the steel, petrochemical, and aluminum industries. Our expertise in these areas ensures maximum effectiveness and minimum equipment downtime. By utilizing state-of-the-art equipment, including digital process controllers, fully proportional fuel actuators, and solid-state features, our engineers are able to provide flexible service that meets the most demanding of specifications. Moisture is removed by strictly controlling heating rates to eliminate the risk of refractory damage from spalling and enhance the life of refractory linings. The versatility and ease of flexibility of SOGEC dry-out equipment make us stand out in this field.

### 6.4. Solution Annealing

Our heat treatment services for annealing various metals, such as steel, aluminum, and copper, improve the ductility as well as the ability to be shaped or formed of all types of metals. It is a process in which carbides that have precipitated at the grain boundary are dissolved into the surrounding matrix by taking them to material-specific temperatures to allow carbon to go into solution and then quickly cooling them.

## 6. SOGEC Services

### 6.5. Hardness Testing

Having the correct hardness of steel structures and pipelines is critical in the field and in plants. SOGEC has the ability to conduct both methods of hardness testing that are available in today's market, be it manual hardness or digital hardness. It is a major goal in quality assurance that can be achieved with SOGEC personnel having proven metallurgical knowledge and years of experience in this field.

### 6.6 Furnaces

Sogec possesses multiple permanent furnaces located in the Eastern Province, capable of heat treating equipment, large quantities of pipes, or fulfilling specialized heat treatment requirements. These furnaces expedite the heat treatment of larger equipment with maximum accuracy, due to their design that minimizes heat losses and provides a heat input capacity of 16 million BTU/hr. Additionally, Sogec offers design and commissioning services for temporary on-site furnaces tailored to specific client requirements.

### 6.7. Stress Relieving

The stress relieving heat treatment process involves heating subjects to a temperature below the transformation temperature in order to relieve residual stresses in the material and lower the hardness values of the material, which can cause distortions in the long term in the subjected items. Internal stresses in welded structures are removed by the stress-relieving method.

### 6.8. Internal Firing

SOGEC has vast experience in on-site internal firing in the GCC region, ranging from pressure vessels to tanks and boilers. In this method, the workpieces or equipment are themselves converted into a furnace and heated internally by diesel or gas-fired burners located at appropriate points, and the whole equipment is completely covered with insulation material to avoid heat losses. SOGEC has specialist personnel and portable equipment that can perform PWHT on this equipment in an efficient and convenient way.

### 6.9. Positive Material Identification (PMI)

Positive Material Identification (PMI) quickly and accurately identifies the composition of more than 100 different engineering alloys onsite. SOGEC can perform PMI on virtually any size or shape of pipe, plate, weld, welding materials, machined parts, or castings. We perform both X-Ray Fluorescence (XRF) and Optical Emission Spectroscopy (OES), two methods of conducting a PMI examination. Both methods ensure compliance with Process Safety Management (PSM) requirements and, combined with experienced personnel, give you a reliable result.

## 6. SOGEC Services

### 6.10. Normalizing

The normalizing Heat Treatment process involves heating a steel above the critical temperature, holding it for a period of time long enough for transformation to occur, and air cooling to make the material softer, but it does not produce material properties like annealing. Normalized heat treatment establishes a more uniform carbide size and distribution, which facilitates later heat treatment operations and produces a more uniform final product. This treatment refines the grain size and improves the uniformity of the microstructure and properties of hot-rolled steel.



## 6. SOGEC Services

# 7. Inspection Services

at SOGEC, we have highly qualified and experienced certified Welding Inspectors and Metallurgists to provide a complete range of services like PQR qualification, NDT and PWHT of test coupons, and mechanical testing of the test pieces.

In addition to expert welding inspectors (AWS CWI / CSWIP) who can test welders using the necessary methods as required by the many welding codes and standards.

Our API Inspection team is specialized in providing both on-site and off-site management to complete your turnaround on schedule and support while your plant is in operation, in addition to turnaround-based inspection programs.

Inspection Services that include:

- 7.1. PQR Qualification
- 7.2. WQT Witnessing
- 7.3. API Inspection

### **Inspection Supporting Services include:**

- Technical Support Services for Shutdowns or Longterm
- Welding Procedure Qualification Record and Welder Qualification Testing
- Painting and Coating Inspection



## 6. SOGEC Services

### 7.1. PQR Qualification

SOGEC helps customers set up their own PQR (a record of the welding data used to weld a test coupon), WPS (a written qualified welding procedure prepared to provide direction for making production welds to Code requirements) and qualify their welders. In SOGEC, we have highly qualified and experienced Certified Welding Inspectors and Metallurgists to develop new welding procedures and overcome the difficulties in current procedures by providing a complete range of services like PQR qualification, NDT and PWHT of test coupons, and mechanical testing of the test pieces.

### 7.2. WQT Witnessing

SOGEC has experienced certified welding inspectors (AWS CWI / CSWIP) who can test your welders using the necessary methods as required by the many welding codes and standards. They are fit for the required welding task as needed.

### 7.3. API Inspection

We are an end-to-end service provider for asset integrity management, consulting, and supplier evaluation. Our API Inspection Team specializes in providing both on-site and off-site management to complete your turnaround on schedule. Our inspectors can provide support while your plant is in operation, in addition to turnaround-based inspection programs.



## 6. SOGEC Services

### Inspection Supporting Services

#### 1. Technical Support Services for Shutdowns or Longterm

Positive Material Identification (PMI) quickly and accurately identifies the composition of more than 100 different engineering alloys onsite. We perform both X-Ray Fluorescence (XRF) and Optical Emission Spectroscopy (OES), two methods of conducting a PMI examination.

#### 2. Welding Procedure Qualification Record and Welder Qualification Testing

In-situ Metallography is a non-destructive testing tool that is used to extend the life of components by preparing & evaluating the replication of microstructure. Application areas include fertilizer, petrochemical, aerospace, chemical plants, foundries, forge shops, steel plants, automobiles, oil & gas, offshore structures, and chemical processing industries.

#### 3. Painting and Coating Inspection

SOGEC NDT Consulting Team has many years of individual and collective experience in the application of NDT technologies to a wide variety of complex Projects and their expertise can Support you find solutions to your inspection challenges.

**Our ASNT-certified Level 3 consultants can assist you with:**

1. Technical Procedure Development NDT
2. Process Implementation
3. NDT Engineering
4. Employee Certification
5. Process Control Documentation
6. Process Auditing
7. Compliance Audit Preparation
8. Radiation Safety Support



# 8. Off Grid Solar Services

A successful solar energy project with an average lifetime of 25 years requires detailed analytics from the moment our client starts considering it. Starting with the site surveys and the feasibility studies to the detailed design, engineering, and eventual handover of the system, we provide our clients with complete turnkey solutions, turning ideas into realities.

### **Standalone Solar Energy Services include:**

- 8.1. Project Development
- 8.2. EPC Turnkey Services
- 8.3. Operation & Maintenance



## 6. SOGEC Services

### 8.1. Project Development

We guide our clients through the very early stages of their future projects to the very end, lending our skills and expertise to assist them in whatever they may need for the duration of the project and beyond.

### 8.2. EPC Turnkey Services

Our highly advanced and detailed engineering is the beating heart of each and every project we take on, from the design stages to the implementation of a solar energy project with careful monitoring and maintenance throughout its lifetime to ensure the health and productivity of the system on a yearly basis.

### 8.3. Operation & Maintenance

We perform system checkups on a frequent basis to ensure the healthiness and functionality of our systems. We have an entire team dedicated to mitigating the expected environmental impacts that could potentially affect the system's productivity as well.

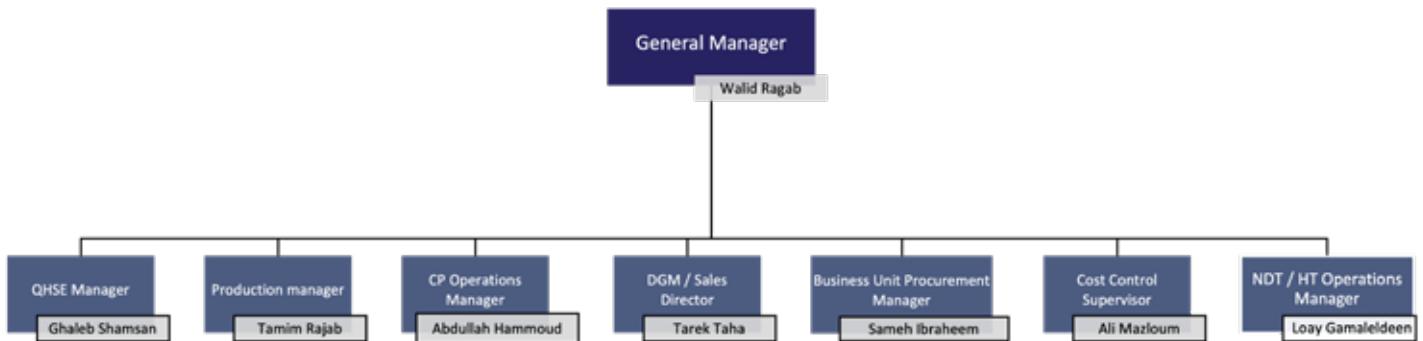


## 7. Organization Chart



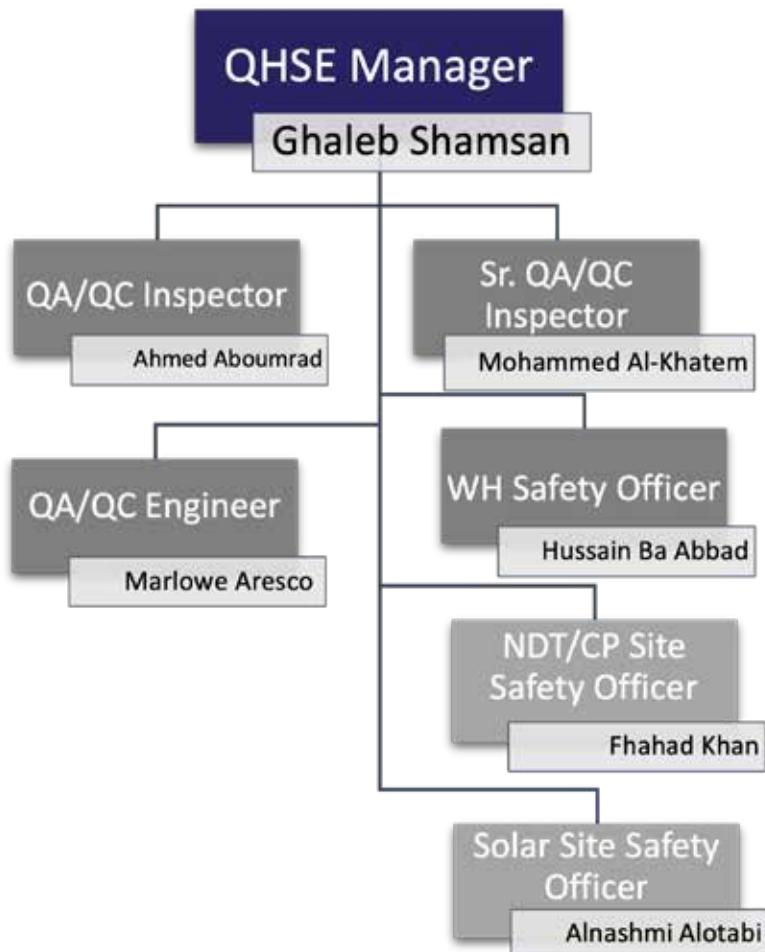
## 7. Organization Chart

### 7.1. General Chart



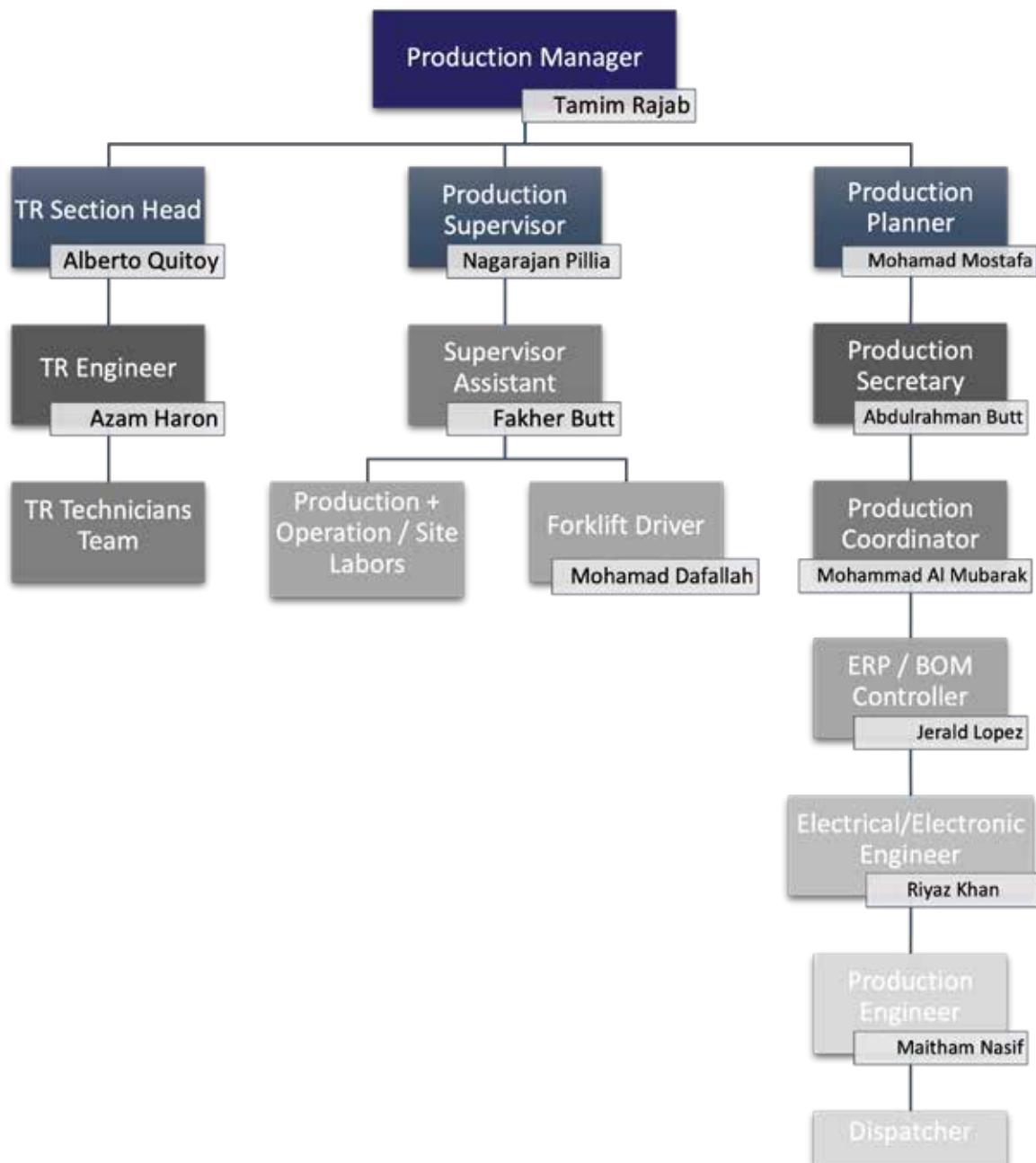
## 7. Organization Chart

### 7.2. QHSE Chart



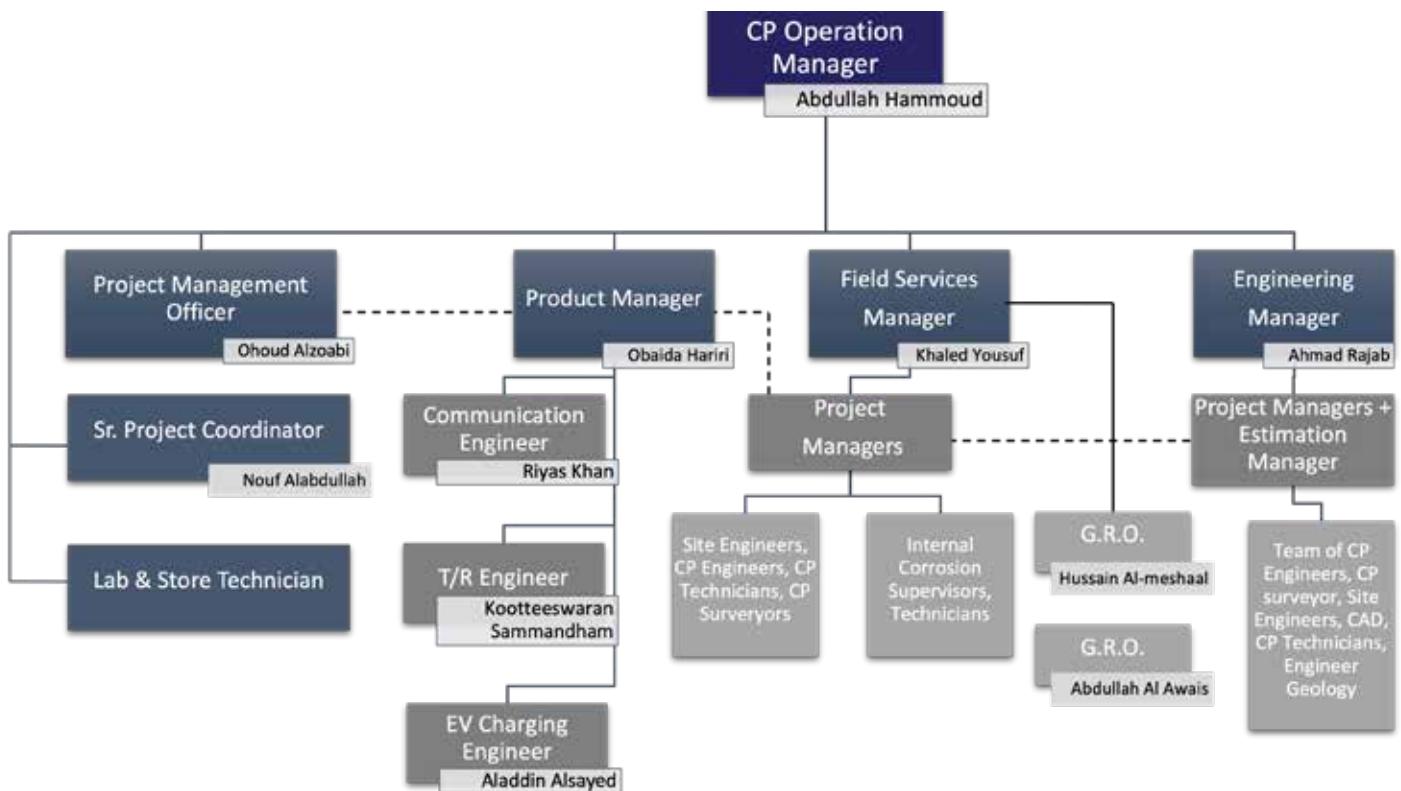
## 7. Organization Chart

### 7.3. Production Chart



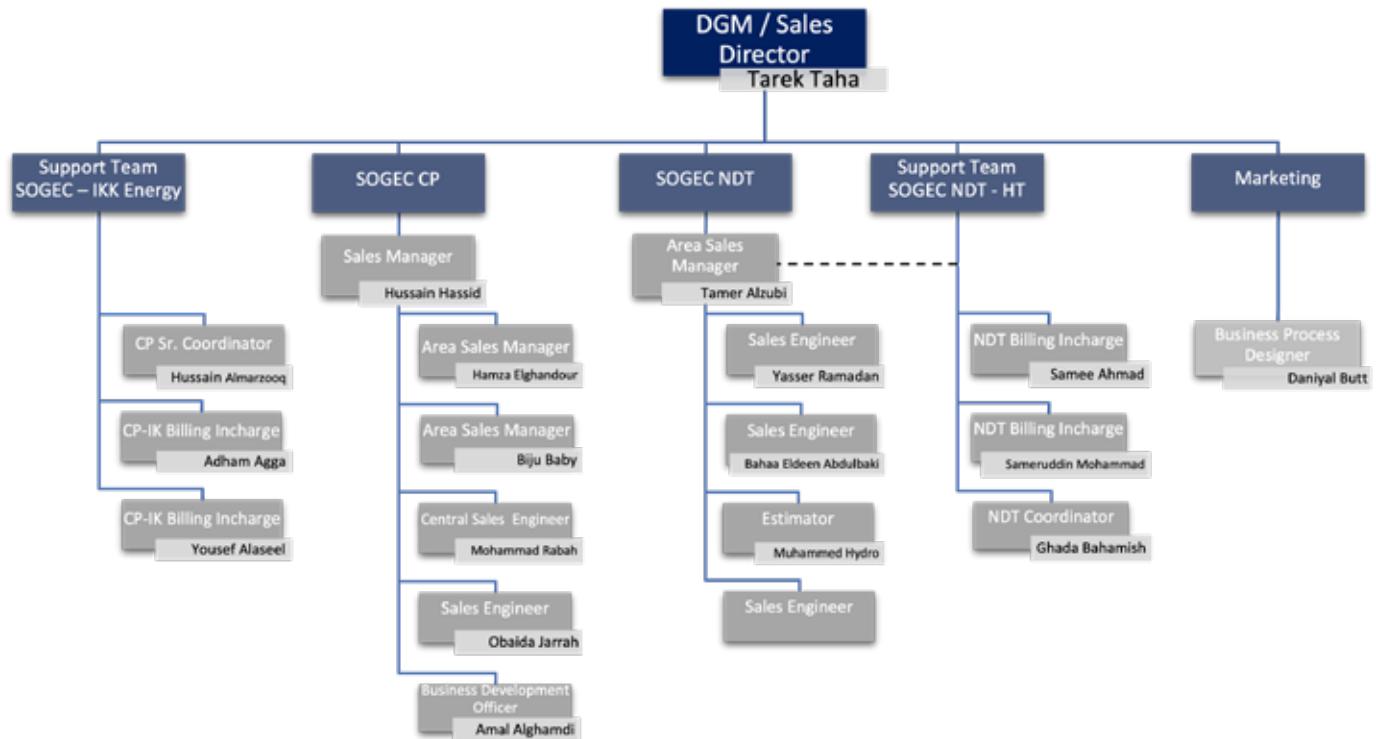
## 7. Organization Chart

### 7.4. CP Operations Chart



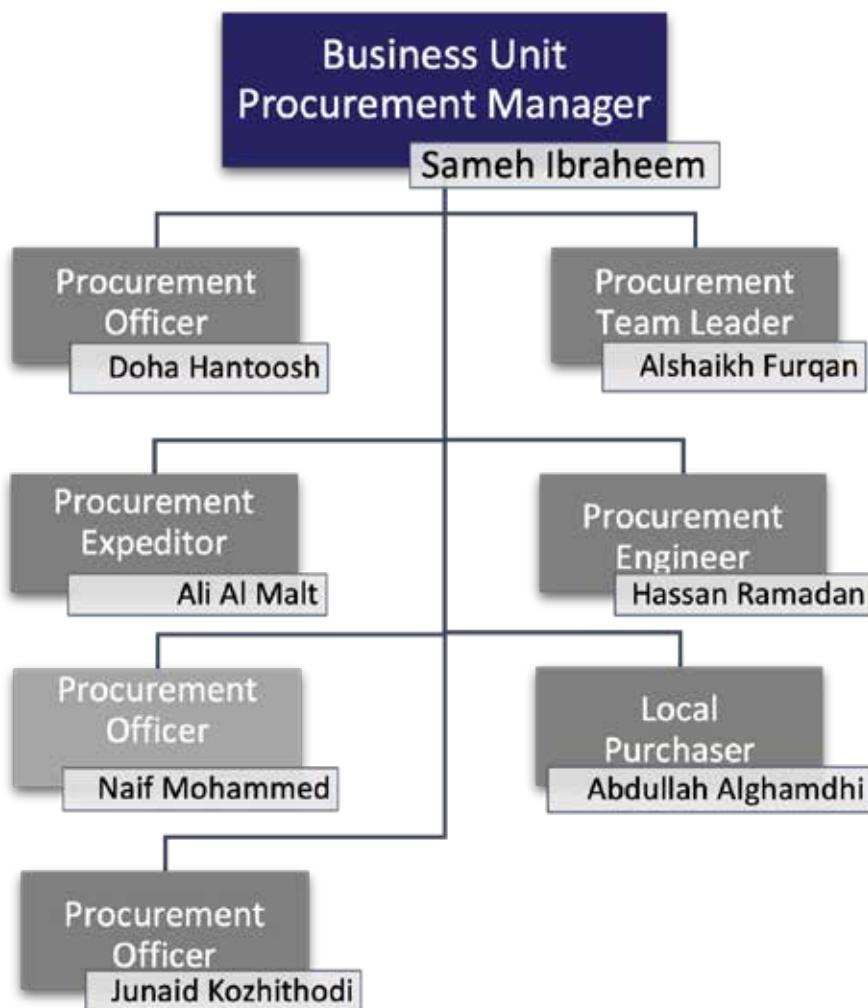
## 7. Organization Chart

### 7.5. DGM / Sales Chart



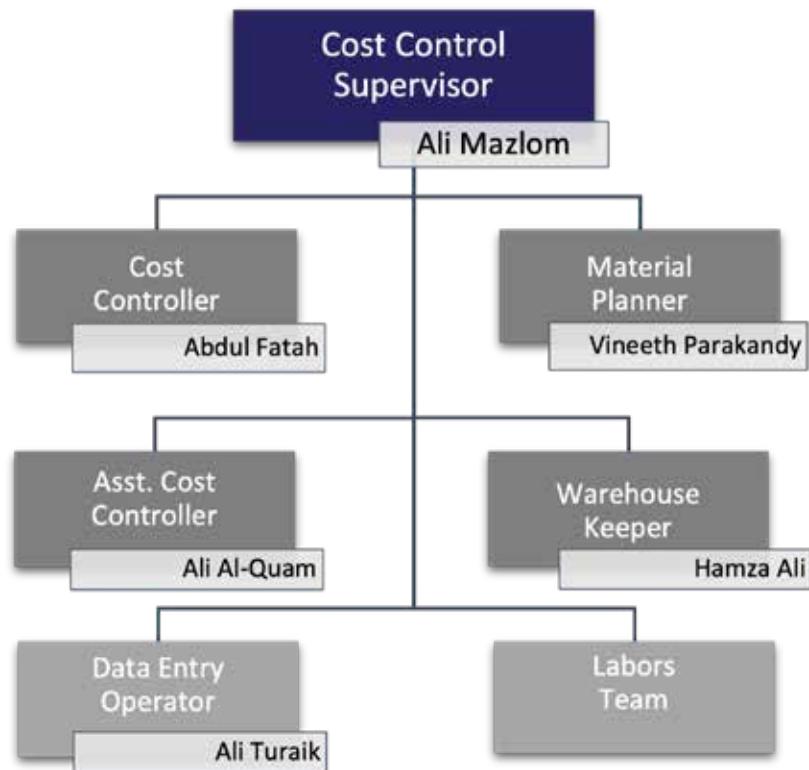
## 7. Organization Chart

### 7.6. Procurement Chart



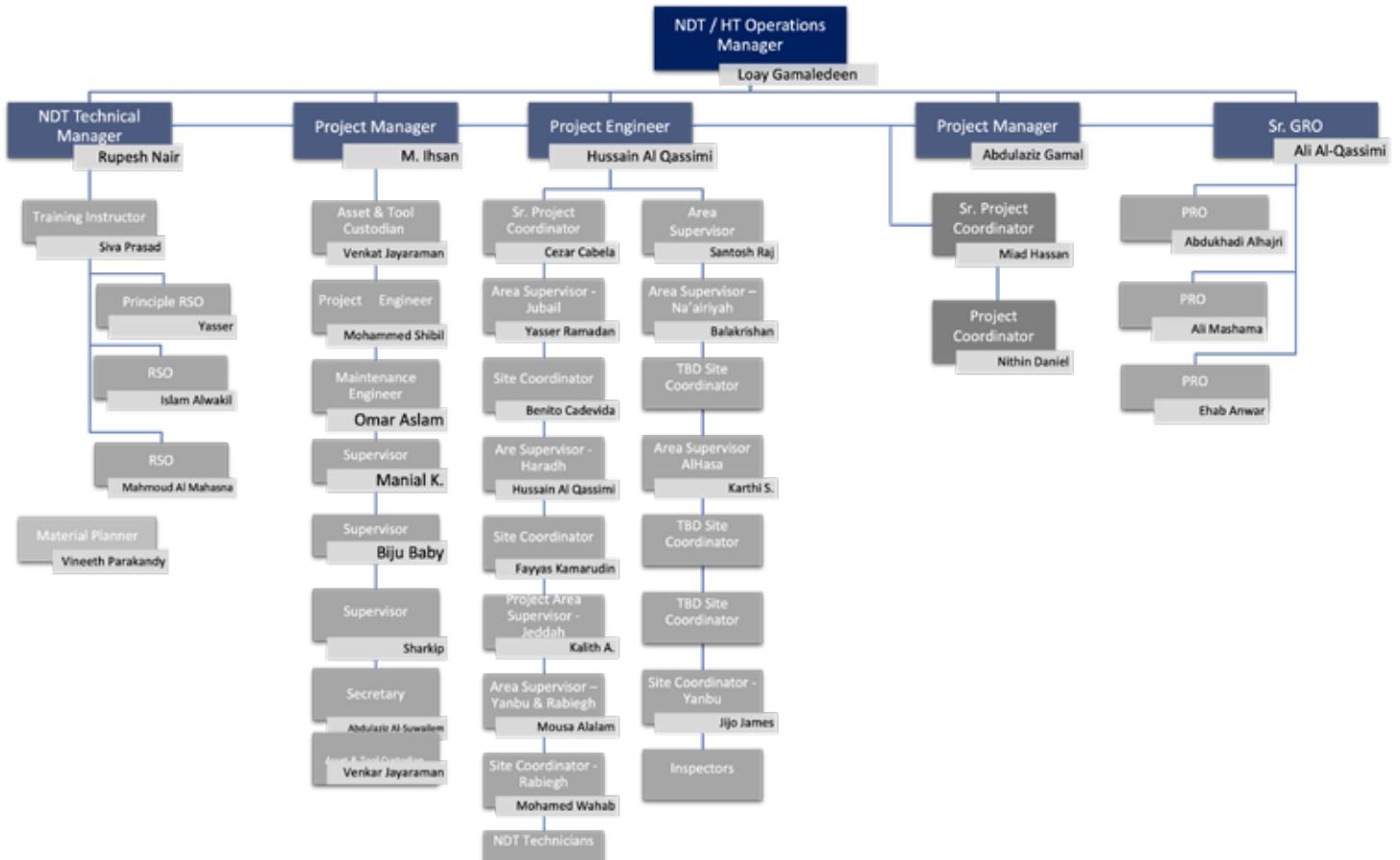
## 7. Organization Chart

### 7.7. Cost Control Chart



## 7. Organization Chart

### 7.8.ND/HT Operations Chart



## 8. Projects References



## 8. Projects References

### 8.1. Cathodic Protection - Completed Projects

Project	Client / Contractor	End Client	Location	Date
C.P. System for Booster Pump Station & Valve Chamber VC - 101	China Communications Construction Co. Ltd. Royal	Royal Commission	Jubail	Ongoing
Cathodic Protection System of Twelve Water Steel Tanks & Pipe Lines - Contract No. 3A - MOWE in Riyadh	Dongho Korean Saudi Ltd. Co.	NWC	Riyadh	Completed
Cathodic Protection System for New Fuel Unloading Arm Marine Terminal Project in Rabigh	JeongShin Construction Co.	SEC	Rabigh	Completed
Cathodic Protection System for Sea Water Pump Stations for Royal Commission in Ras Al-Khair	FEMCO	Royal Commission	Ras AlKhair	Completed
Cathodic Protection System for Tanks & Piping for Strategic Reservoirs Makkah Al-Mukarramah, Briman Strategic Reservoir - Phase 2 and Expansion Al Haram	MAPA Construction and Trade Co. Inc.	NWC	Jeddah and Makkah	Completed
Cathodic Protection System for Upgrade Phase II - YANPET Tanks for SABIC	SABIC-Yanpet	SABIC	Yanbu	Completed
Cathodic Protection System for Six 167,000m3 Potable Water Storage Tanks for NWC in Riyadh	TH Engineering & Consulting FZE	NWC	Riyadh	Completed
Cathodic Protection System for 12 Nos. Water Steel Tanks in Salboukh & TGSW Stations for NWC	DONGHO Korean Co.	NWC	Riyadh	Completed
Cathodic Protection System for Shedgum-Yanbu Carbon Steel 32" Gas Pipeline (Loop 4 & 5)	SAIPEM CO.	ARAMCO	Shedgum	Completed
Cathodic Protection System for Waad Al Shamal ISCCPP - SEC Project	Abener Abeinsa for Const., Water and Power Co. Ltd.	SEC	Waad Al Shamal	Ongoing
Cathodic Protection System for Two 60» Pipelines in Petrokemya	ISD (Industrial Services Divion)	SABIC	Jubail	Completed

## 8. Projects References

Project	Client / Contractor	End Client	Location	Date
Cathodic Protection System for Steel Tanks at Yanbu Distribution Hub Project	METSCCO Heavy Steel Ind.	ARAMCO	Yanbu	Ongoing
Cathodic Protection System Service at SEC-EOA	Saudi Electricity Company	SEC	Qurrayah	Completed
Upgrade of Cathodic Protection for all Onshore CP Systems	KJO	KJO	Khafji	Completed
Cathodic Protection System - Upgrade for Pier Facilities project at Tanajib for Aramco	Saudi Archirodon Ltd.	ARAMCO	Tanajib	Ongoing
Cathodic Protection System for Haradh and Hawiyah Gas Compression Project	TECNICAS REUNIDAS SAUDIA	ARAMCO	Haradh	Ongoing
CP system for storege tanks and station pipline	Al ayouni Invesment & Contracting Co.	SWCC	Makkah	Ongoing
Cathodic Protection System for Rabigh - Jeddah / Mekkah Water Transmission System	MAPA Construction & Trading Co. Inc	SWCC	Jeddah	Ongoing
Cathodic Protection System for TS8- bridge piles at KRT crossing in Jubail	Branch of China Railway 18th Bureau Group Co.Ltd	Royal Commission	Jubail	Ongoing
Supply for CP Materials for Piles below YMT Jetty, Boat Pier Piles and Fire Water Intake Sheet Pile Structure	Alaa International Contracting Co.- AICCO	YASREF	Yanbu	Completed
CP System for Temporary Construction Facilities – Haradh/Hawiyah for Aramco	Azmeel Contracting Co.	ARAMCO	Hawiyah	Completed
CP System for Neom Water Transimission System	Mutlaq Al-Ghowari Co	SWCC	Neom	Completed
CP System for Saudi Aramco Re-route Pipelines in Rastanura Area Project for Aramco	China Petroleum Pipeline Engineering Co.-CPP	ARAMCO	Ras Tanura	Ongoing
CP System for Tanks and Station Piping At Jubail- Riyadh Water Transmission System	Limak Construction Industry and Trade Inc.	SWCC	Jubail	Ongoing

## 8. Projects References

Project	Client / Contractor	End Client	Location	Date
Cathodic Protection System For Jubail-Riyadh Transmission System	Al Rashid for trading & Contracting Co.- RTCC	SWCC	Jubail-Riyadh	Ongoing
Cathodic Protection System for BERRI Development Offshore Platforms and Flow lines (LTA34-) & MRJN WI TP1- Jacket and Deck (LTA35-) for Aramco	Snamprogetti Saudi Arabia Co.Ltd. (Saipem)	ARAMCO	Marjan	Ongoing
Cathodic Protection System for EPCI - SFNY PHASE8- for Aramco	McDermott Middle East, Inc.	ARAMCO	Marjan	Completed
Cathodic Protection System for North Gas Compression Plants (NGCP) Pipelines Project -BI0003-02029- (Permanent Material) for ARAMCO	China Petroleum Pipeline Engineering Co.-CPP	ARAMCO	Hawiyah	Ongoing
Cathodic Protection System for SADAF CLC Project in Jubail	China Tianchen Engineering Corporation	SABIC	Jubail	Completed
Cathodic Protection System for Shuqaiq Phase 3 Water Transmission System	Al Rashid for trading & Contracting Co.- RTCC	SWCC	Shuqaiq	Ongoing
Cathodic Protection System for Satalite Plants Water Transmission System Prohct SWCC	Al Rashid for trading & Contracting Co.- RTCC	SWCC	Riyadh	Completed
Supply & Supervision of installation of AC Mitigation Materials for Shoaiba-Mina (B) Pipeline	Al Rashid for trading & Contracting Co.	SWCC	SHOAIBA	Ongoing
Three Years Blanket Agreement for Cathodic Protection Inspection Services at Luberef Jeddah & Yanbu	Saudi Aramco Base Oil Company - Luberef	ARAMCO	Jeddah	Completed
AC Mitigation Study & Materials for Arafat-Taif Water transmission System for SWCC	MAPA Construction & Trading Co. Inc	SWCC	Taif	Ongoing
AC Mitigation Study & Materials for Rabigh/ Jeddah/ Mekkah Water transmission System for SWCC	MAPA Construction & Trading Co. Inc	SWCC	Taif	Ongoing
Corrosion Inhibitors Protection of "Internal Surfaces" for Six Tanks in JEDDAH for Aramco	Saudi Services for Electro Mechanic Works Co. SSEM	ARAMCO	Jeddah	Completed

## 8. Projects References

Project	Client / Contractor	End Client	Location	Date
Cathodic Protection System For Marjan Package7- for ARAMCO	Nesma & Partners Co.	ARAMCO	Marjan	Ongoing
Rehabilitation of CP systems in Pump Stations for	COSMA-IKK	SWCC	Abha	Ongoing
Five Years Agreement for Specialized Cathodic Protection Survey	Mohammed M. Alarji Cont.Co	ARAMCO	KSA	Ongoing
Conduct Corrosion Coupon/ Injection Quills Retrieval and Analysis@ Abqaiq Plants	Aramco	M-ARAMCO	Abqaiq	Ongoing
Cathodic Protection Systems For 6 Nos. Water Steel Tanks & Station Piping Aat Salboukh Site-NWCC	Mutlaq Al-Ghowari Contracting Co. Ltd.	NWC	Salboukh	Ongoing
Supply for Cathodic Protection Materials	Aramco	M-ARAMCO	Dammam	Ongoing
Amended Cathodic Protection Scope for Well Casing Haradh & Hawyah Gas Project	Tecnicas Reunidas Saudia for Services & Contracting Co. Ltd.	M-ARAMCO	Haradh	Ongoing
Terrain and Soil Corrosivity Survey along Saudi Aramco Transmission Pipeline Corridors	Aramco	M-ARAMCO	Dammam	Ongoing
Cathodic Protection System for LTA -068 One (1) Oil Producer & Two (2) Water Injection PDMS and Associated Facilities in MRJN for Aramco	Snamprogetti Saudi Arabia Co.Ltd. (Saipem)	ARAMCO	Dammam	Completed
Supply & Supervision of installation of AC Mitigation System for Jubail – Riyadh Water Transmission Pipeline	Al Rashid for trading & Contracting Co.- RTCC	SWCC	Riyadh	Completed
Cathodic Protection System for Marjan Increment Package16- for ARAMCO	Branch of Sinopec International Petroleum Service Corp.	ARAMCO	Marjan	Ongoing
Cathodic Protection System for Marjan Increment Package17- for ARAMCO	Branch of Sinopec International Petroleum Service Corp.	ARAMCO	Marjan	Ongoing

## 8. Projects References

Project	Client / Contractor	End Client	Location	Date
Cathodic Protection System for Sea Water basins -2201 A and -2204A for SABIC (Al Bayroni).	China National Chemical Engineering Third Construction CO. LTD (TCC)	SABIC	Jubail	Ongoing
Cathodic Protection System for Berri Development Onshore Flowlines & TIE-INS for Aramco	Al Rashid for trading & Contracting Co. - RTCC	ARAMCO	Dammam	Ongoing
AC Mitigation Materials for Yanbu-Madina Phase 4 Water transmission System for SWCC	MAPA Construction & Trading Co. Inc	SWCC	Yanbu	Ongoing
Cathodic Protection System for Stations Piping at Makkah Strategic Tank Project	ALISHAR Contracting Corp.	SWCC	Makkah	Ongoing
Cathodic Protection System for Shoibah Quaiza Pipelines & Tanks - SWCC	ALISHAR Contracting Corp.	SWCC	Shoibah	Ongoing
Amended Cathodic Protection Scope for Well Casing Hardah & Hawyah Gas Project	Tecnicas Reunidas Saudia for Services & Contracting Co. Ltd.	ARAMCO	Haradh	Ongoing
Cathodic Protection System for Zuluf Onshore Oil Facilities Project	JGC Arabia Ltd. Branch	ARAMCO	Zuluf	Ongoing
Long Term Agreement for Offshore Facilities, Zulf Ah East & West Oil Requisition No. Facilities Under Bi-07868 -10; CRPO No. 6511069591 (OOK) / 6511068664	National Petroleum Construction Company PJSC. NPCC	ARAMCO	Zuluf	Ongoing
Cathodic Protection System for CRPO 4 Project in Turaif for Aramco	Specialized Industrial Services Co. Ltd. SISCO	ARAMCO	Turaif	Ongoing
Cathodic Protection System for Water Steel Tanks for SWPC	AIC Steel Factory of Arabian International Co.	Private	Medina	Ongoing
Cathodic Protection Systems for Juaymah Terminal Onshore Expansion Project, Aramco.	Engineering for Petroleum and Process Industries (ENPPI)	ARAMCO	Juaymah	Ongoing
Cathodic Protection Systems for CRPO 06 Jafurah 30 Gas Well Tie-Ins at HMYM Block4- for ARAMCO	CAT International Co.	ARAMCO	Jafura	Ongoing

## 8. Projects References

Project	Client / Contractor	End Client	Location	Date
Shaybah Corrosion Coupons and Probes Retrieval PR# 3001047892	Aramco	M-ARAMCO	Shaybah	Ongoing
Cathodic Protection System For Neom Water Transmission Pipeline	Mutlaq Al-Ghowari Contracting Co. Ltd.	NWC	Neom	Ongoing
Solar Power System for Zuluf (AH) Crude Oil Increment Project for Aramco Aug 29,2023	DENYS Arabia Co. Ltd	ARAMCO	Dammam	Ongoing
Corrosion Inhibitors Protection for Gas Grid Distribution Project-Spark	Branch of Sinohydro Corporation Ltd.	Aramco	Dammam	Ongoing
Cathodic Protection Systems for Amiral Project PKG1#, KSA	Hyundai Engineering Company Ltd.	Aramco	Jubail	Ongoing
CP System Reinstatement Project (Pile Column C3610-)	SABIC - United	Sabic	Jubail	Ongoing
Cathodic Protection System for Offshore Facilities. CRPO # 136 137 & Upgrade Zuluf Am Crude Platforms – Zuluf Package 3 & Zuluf Package 4 Project for Aramco	National Power Construction Corporation Ltd - NPCC	Aramco	Zuluf	Ongoing
Cathodic Protection System For Riyadh City Southern Ring - SWCC	MAPA Construction & Trading Co. Inc	SWCC	Jeddah	Ongoing
Supply and Supervision of Installation of AC Mitigation System for Khobar to Ihsa WTS	Mutlaq Al-Ghowari Contracting Co. Ltd.	SWCC	Jeddah	Ongoing
Cathodic Protection Systems for CRPO 12&10 Jafurah URMPP-CAT-MR021-; Rev-A CP System For Multi Well Casing & Flowlines for ARAMCO	CAT International Co.	Aramco	Dammam	Ongoing
Cathodic Protection Systems for Ras Al Khair For SWCC	ALISHAR Contracting Corp.	SWCC	Ras Al Khair	Ongoing
Cathodic Protection Systems for Wellhead - Jafurah (URMPP; CRPO- 17 & 16,15 ,14) for Aramco	CAT International Co.	Aramco	Dammam	Ongoing
Cathodic Protection Systems for Ras Al Khair - Riyadh Water transmission System - SWCC	MAPA Construction & Trading Co. Inc	SWCC	Ras Al Khair	Ongoing

## 8. Projects References

Project	Client / Contractor	End Client	Location	Date
Cathodic Protection System- Master Gas System Expansion Phase III Project, PKG11- for Aramco	MAX Streicher Saudi Arabia Contracting Co.	Aramco	Qunfudhah	Ongoing
Cathodic Protection System For Tanks in Ras Al khair FOR SWCC	Alzamil Metal Works	SWCC	Ras Al Khair	Ongoing
Cathodic Protection System For Juranah Independent Strategic Water reservoir (ISWR- 1)	Mapa Construction & Trading Co. Inc	SWCC	Jeddah	Ongoing
ECDA & SCCDA for Aramco Pipelines	Aramco	M-ARAMCO	Jeddah	Ongoing
Cathodic Protection SYstem for Al moghamass Strategic Tanks (phase 12) Project.	Al Ayuni Investment & Contracting Co.	SWCC	Dammam	Ongoing
Cathodic Protection System for Fadhili Gas Increment Program (FGIP) 4# for Aramco	Samsung E&A Arabia Co. Ltd.	Aramco	Fadhili	Ongoing
Upgrade Cathodic Protection Systems for Hali Dam - Shoaiba (Life Line) WTS Project	Saudi SDN Water & Energy Co.	SWCC	Shoaiba	Ongoing
Cathodic Protection System for MGS Phase3- - Main Pipeline Project – (Pkg 04)	MAPA Construction & Trading Co. Inc.	Aramco	Jeddah	Ongoing
Solar System for Master Gas System Expansion Phase 3 Program Pipelines Project (PEW04–Package 04)	MAPA Construction & Trading Co. Inc.	Aramco	Jeddah	Ongoing

## 8. Projects References

### 8.2. Corrosion Monitoring - On-Going Projects

Date	Project	Client	End Client	Location
ECP0104-21	Conduct Online Retrieving & Replacing In-kind Corrosion Coupon @ HGP for ARAMCO. PR-3000952677# 1	Aramco	ARAMCO	Hawiyah
ECP0156-21	Conduct Corrosion Coupon/Injection Quills Retrieval and Analysis@ Abqaiq Plants	Aramco	ARAMCO	Abqaiq

## 8. Projects References

### 8.3. Non-Destructive Testing Projects

Client	Project	Start Date	End Date
Sadaf / Sabic	NDT & PWHT Services at Sadaf	8-Jan-18	Completed
Saudi Aramco	Non Destructive Testing Conventional Services	1-Nov-18	Completed
Saudi Aramco	Non Destructive Testing Conventional Services	4-Jul-18	Completed
Saudi Aramco	Non Destructive Testing Conventional Services	1-Oct-19	Completed
Saudi Aramco	Non Destructive Testing Conventional Services - Supply of RTFI Technician - Zainul Haq	1-Feb-19	Completed
Saudi Aramco	Non Destructive Testing Conventional Services - Supply of UTT Technician - For YNGL, Yanbu	15-Apr-19	Completed
The Bahrain Petroleum Co. (BAPCO)	PROVIDING OF HEAT TREATMENT SERVICES	9-Jan-20	In Process
Saudi Aramco	Non Destructive Testing Conventional Services	20-May-18	Completed
SAIPEM Snam-progetti Saudi Arabia Ltd.	NDT Services for (MJNZLF Spool Fabrication / WO# 31166491	3-Apr-18	In Process
SAIPEM Snam-progetti Saudi Arabia Ltd.	NDT Services on Board of C8 for SFNY / MARJN (LTA-2 SFNY 10 Jackets & 9)WO# 31167362	10-Apr-18	In Process
SAIPEM Snam-progetti Saudi Arabia Ltd.	HSBH23 HOOK UP ACTIVITYWO# 31226985	27-Jan-19	In Process
SAIPEM Snam-progetti Saudi Arabia Ltd.	NDT services for Hook-up activities Offshore - M&Z 7D and SFNY WO# 31231475	31-Jan-19	In Process

## 8. Projects References

Client	Project	Start Date	End Date
Saudi Arabian Kentz Co. Ltd.	Supply of Heat Treatment Technician at Jazan	1-Feb-18	Completed
Saudi Aramco	Non Destructive Testing Conventional Services	10-Apr-18	Completed
Saudi Aramco	Non Destructive Testing Conventional Services	7-May-18	Completed
NOVEL ARABIA MIDDLE EAST LTD.	Providing PWHT Service For Internal Firing Vessel @ Jubail	21-May-18	Completed
Saudi Aramco	Provision of API certified Inspectors for 2019 Turn-around at YRD	29-May-18	In Process
TAMIMI Global Co. Ltd. - TAFGA	Providing PWHT Services at Tamimi Workshop	10-Sep-18	Completed
TAMIMI Global Co. Ltd. - TAFGA	Providing NDT Services at Tamimi Workshop	10-Sep-18	In Process
NOVEL ARABIA MIDDLE EAST LTD.	Providing PWHT Services @ Jubail	20-Sep-18	Completed
Branch of China Petroleum Pipelines Co.	Providing NDT Services @ Dammam (Free Flow Line - Haradh)	1-Oct-18	In Process
Saudi Aramco	Providing Heat Treatment Services @ Yanbu Area	16-Dec-18	Completed
Saudi Aramco	Non Destructive Testing Conventional Services	14-Oct-18	Completed
Saudi Aramco	Non Destructive Testing Conventional Services	14-Oct-18	Completed
Saudi Aramco	Non Destructive Testing Conventional Services	15-Oct-18	In Process
Dynamic Industries Saudi Arabia Limited	NDT Services for Berri Field (Offshore)	23-Oct-18	In Process

## 8. Projects References

Client	Project	Start Date	End Date
Dynamic Industries Saudi Arabia Limited	NDT Services for Berri Field (Offshore)	14-Apr-2	In Process
Branch of China Petroleum Pipelines Co.	Providing NDT, PWHT & Inspection Services for CPP-NGCP at Haradh Hawiyah Pipelines Project for Aramco 26	26-Nov-18	In Process
Petro Rabigh	Heat Treatment Services for Upcoming TA2020	2-Jan-20	In Process
Petro Rabigh	Providing PWHT BY Electrical Resistance Method for Absorber Drum R280-D-0011B,C,H & I	16-Mar-20	In Process
Saudi Aramco	Non Destructive Testing Conventional Services	12-Feb-19	Completed
Saudi Aramco	Non Destructive Testing Conventional Services	3-Feb-19	Completed
SAIPEM Snam-progetti Saudi	NDT Services for Hook-Up Activities Offshore	12-Feb-19	In Process
SAIPEM Snam-progetti Saudi	RTFI Services for Enhance LPG Piping -Hawiyah - HGP-SRV-0297	2-May-22	In Process
SAIPEM Snam-progetti Saudi	RTFI Services for Enhance LPG Piping -Hawiyah - HGP-SDCT-SRV 226	2-May-22	In Process
SAIPEM Snam-progetti Saudi	RTFI Services for HOOK UP @ SAFLIYA ( LTA 034 )	9-Jul-22	In Process
SAIPEM Snam-progetti Saudi	RTFI Services for HOOK UP @ ASTRO ARCTURUS ( LTA 034 )	9-Jul-22	In Process
SAIPEM Snam-progetti Saudi	PWHT Services for Hook-Up Activities Offshore	12-Feb-19	Completed
SAIPEM Snam-progetti Saudi	HOOKUP AND STRUCTURES NDT FOR SFNY ACTIVITIES	24-Mar-19	In Process
Saudi Aramco	Non Destructive Testing Conventional Services	24-Jan-19	Completed

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Client	Project	Start Date	End Date
Saudi Aramco Total Refining & Petrochemical Co. (SATORP)	Non Destructive Testing Conventional Services	25-Mar-19	In Process
Saudi Services For Electro Mechanical Works Co.	Providing NDT & PWHT Service for Construction of Yanbu Distribution HUB in plant & Interface Works	31-Mar-19	In Process
Branch of China Petroleum Pipelines Co.	Providing NDT Services for ONSHORE Maint Potential PROG -NA1 ZONE at Khurasaniya	15-Apr-19	In Process
Sinsina Industrial Works and Metal Construction Factory	Providing NDT & PWHT Services at Jubail workshop SKIDA ramco project	29-Apr-19	In Process
Saudi Aramco	Non Destructive Testing Conventional Services	1-Apr-19	Completed
Anabeeb	Providing NDT & HT Services at SASREF	31-Oct-19	In Process
Sinopec Engineering Group Saudi Co. Ltd.	Providing NDT and PWHT Services for Increase PumpingCapacity Qatif Project	3-Jul-19	
TEKFEN Construction & Installation Co. Inc.	Providing NDT Services for Aramco Field Gas Compression Haradh (Satellite) Project in Haradh and Hawiyah Field	18-Jul-19	In Process
NESMA & PARTNERS CONTRACTING CO.LTD.	Providing NDT & PWHT Services for Aramco Water Handling Debottlenecking at South Ghawar	31-Jul-19	In Process
NESMA & PARTNERS CONTRACTING CO.LTD.	Providing NDT & PWHT Services for Marjan Incremental Program, MIP7, Jaladi, Tanajib	31-Jul-19	In Process
Saudi Services For Electro Mechanical Works Co.	Providing UT Thickness and Advance NDT Services for 19 Vessels at South Ghawar	8-Aug-19	In Process
Saudi Aramco	Non Destructive Testing Conventional Services	15-Sep-19	Completed
Abdullah H Al Shuwyer Sons Trading & Contracting Co.	Providing NDT and PWHT Services @ Hawiyah & Dam-mam	19-Sep-19	In Process
Saipem Taqa Al Rushaid Fabricators Co. Ltd.	Providing RT NDT Services - MARJAN	1-Jan-20	

## 8. Projects References

Client	Project	Start Date	End Date
Saipem Taqa Al Rushaid Fabricators Co. Ltd.	Providing NDT Services - Piping Prefab - MARJAN	19-Apr-20	In Process
Saipem Taqa Al Rushaid Fabricators Co. Ltd.	Providing NDT Services - Piping Prefab - BERRI Project	19-Apr-20	In Process
NESMA & PARTNERS CONTRACTING CO.LTD.	Providing NDT and PWHT Services for Upgrade Abqaiq Field Water Injection System	7-Oct-19	In Process
Engineering For The Petroleum and Process Industries (Enppi)	Providing NDT and PWHT Services at Abqaiq	9-Oct-19	In Process
Engineering For The Petroleum and Process Industries (Enppi)	Providing NDT and PWHT Services at Abqaiq	9-Oct-19	Completed
Saudi Aramco	Providing Radioactive ISO TOPES for Saudi Aramco	21-Oct-19	Completed
Tecnicas Reunidas Saudia for Services and Contracting Co.Ltd.	Providing Thermal Curing for Tanks at Jazan	24-Oct-19	Completed
Tecnicas Reunidas Saudia for Services and Contracting Co.Ltd.	Providing Thermal Curing for Tanks at Jazan	17-Nov-19	Completed
Saudi Aramco	Providing NDT Services at Master Gas Station	1-Oct-19	Completed
Saudi Aramco	Providing NDT Services at Master Gas Station	1-Apr-20	Completed
Saudi Aramco	Providing NDT Services at Master Gas Station	20-Oct-19	Completed
Saudi Aramco	Providing NDT Services at Master Gas Station	1-Jan-20	In Process
Saudi Aramco	Providing NDT Services at Master Gas Station	11-Apr-21	In Process

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Client	Project	Start Date	End Date
Saudi Aramco	Providing NDT Services at Master Gas Station	11-Apr-21	In Process
Saudi Intermaint Co. Ltd.	Providing Radiography Testing Services at Yanbu	5-Feb-20	In Process
Saudi Aramco	Providing Offline Dryout For Refractory Repairs ( Uda-hiliyah )	11-Feb-20	In Process
Salim M. Al-Joaiib & Partners Co.	Providing NDT and PWHT Services at Abqaiq	13-Feb-20	In Process
Saudi Aramco	Non Destructive Testing Conventional Services	8-Jun-20	Completed
Al Zamil Metal Works Factory ( Abdullah Al Zamil Est For Trading & Contracting.)	Providing Internal firing Services and Construction of furnace at Jeddah	4-May-20	In Process
Branch of Sinopec International Petroleum Service Corporation	Providing NDT Services for Pipelines project at Tanajib	13-May-20	In Process
PETROJET	Providing NDT, PWHT &WQT Inspection Services at Abqaiq	13-Jun-20	In Process
Saudi Aramco	MFC For Conducting NDT Surveys at NAOO (Eastern Region)	18-Jun-20	In Process
Saudi Arabian Fabricated Metals Industry Co. Ltd. (SAFAMI)	Providing NDT & PWHT Services for Berri Development Project at Jubail	14-Jul-20	In Process
Saudi Aramco	Non Destructive Testing Conventional Services (WGP)	16-Jul-20	Completed
NESMA & PARTNERS CONTRACTING CO.LTD.	Providing NDT & PWHT Services for Saudi Aramco at Juaymah & Ras Tanura Terminals.	28-Jul-20	In Process
Saudi Aramco	Providing NDT Services at Khurais	29-Jul-20	In Process

## 8. Projects References

Client	Project	Start Date	End Date
Saudi Aramco	Non Destructive Testing Conventional Services (RTR)	10-Aug-20	Completed
Saudi Aramco	Non Destructive Testing Conventional Services (BGP)	19-Aug-20	Completed
NESMA & PARTNERS CONTRACTING CO.LTD.	Providing NDT & PWHT Services for Sulphur Handling Facilities at Tanajib	23-Aug-20	In Process
Harm Chang Day Contracting Est.	Providing NDT & PWHT Services for Shuqaiq WTS Phase-3 Project	7-Oct-20	In Process
Saudi Aramco	Non Destructive Testing Conventional Services (SON)	21-Oct-20	Completed
Saudi Aramco	Non Destructive Testing Conventional Services (NGP)	3-Nov-20	Completed
Saudi Aramco	Non Destructive Testing Conventional Services (RTR)	3-Nov-20	Completed
Saudi Aramco	Non Destructive Testing Conventional Services (RRD)	3-Nov-20	Completed
Inma Steel Fabricators Co. Ltd.	Providing Internal firing Services for WOSEP, Water Oil Separator and High Pressure Production Traps (HPPT) at Inma steel (Jubail)	10-Nov-20	In Process
Saudi Aramco	Non Destructive Testing Conventional Services (RTR)	23-Nov-20	Completed
Saudi Aramco	Non Destructive Testing Conventional Services (RTR)	14-Dec-20	Completed
SAIPEM Snam-progetti Saudi Arabia Ltd.	NDT Services For Hook-Up Activities Offshore	15-Feb-21	In Process
SAIPEM Snam-progetti Saudi Arabia Ltd.	NDT Services For Hook-Up Activities Offshore	15-Feb-21	In Process
Gulf Asia Contracting Company L.L.C	Providing Safe Rad Services at Ras Al Khair.	22-Feb-21	In Process

## 8. Projects References

Client	Project	Start Date	End Date
Branch of Hyundai Engineering & Construction Co. Ltd	Providing Heat Treatment Services at Marjan Package 6 project	12-Apr-21	In Process
Saudi Aramco	Providing NDT Services at Haradh Gas Plant.	24-Mar-21	Completed
Saudi Aramco	Providing NDT Services at Jeddah Terminal.	24-Mar-21	Completed
Saudi Aramco	Providing NDT Services at Riyadh Refinery.	24-Mar-21	In Process
Saudi Aramco	Providing NDT Services at Ras Tanurah Refinery.	24-Mar-21	Completed
Saudi Aramco	Providing ANDT-MFL Tube Examination Services at Shedgum Gas Plant	6-Apr-21	In Process
Branch of China Petroleum Pipelines Co.	Providing NDT & PWHT Services at Jubail	12-Apr-21	In Process
Saudi Arabian Fabricated Metals Industry Co. Ltd. (SAFAMI)	Providing NDT & PWHT Services for Berri Development Project at Jubail	6-Apr-21	In Process
Saudi Aramco	Aramco CNDT Contract RPO # 6511031241 – Location SPD	7-Apr-21	In Process
Saudi Aramco	Aramco CNDT Contract RPO # 6511028975 – Location KGP	22-Apr-21	In Process
Saudi Aramco	Aramco CNDT Contract RPO # 6511036988 – Location RPD	22-Apr-21	In Process
Saudi Aramco	Aramco CNDT Contract RPO # 6511032637 – Location SGPD	22-Apr-21	In Process
Saudi Aramco	Aramco CNDT Contract RPO # 6511035752 – Location SNGL	22-Apr-21	In Process
Saudi Aramco	Aramco CNDT Contract RPO # 6511035752 – Location SNGL	22-Apr-21	In Process

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Client	Project	Start Date	End Date
Saudi Aramco	Aramco CNDT Contract RPO # 6511032339 – Location SOF	22-Apr-21	In Process
Saudi Aramco	Aramco CNDT Contract RPO # 6511032326 – Location SWI	22-Apr-21	In Process
Saudi Aramco	Aramco CNDT Contract RPO # 6511037770 – Location OID	22-Apr-21	In Process
Saudi Aramco	Aramco CNDT Contract RPO # 6511036583 – Location CRDD	22-Apr-21	In Process
Saudi Aramco	Aramco SFC-PO#6511041419 - Providing NDT Services at Jazan Refinery	15-Jun-21	In Process
Mohammad Al Barghash Al Mansouri And Sons Trading And Cont	Providing NDT Services at Haradh.	31-Jul-21	In Process
Br. CAT International Company Limited	Providing NDT & PWHT Services at Hawiyah	13-Sep-21	In Process
Saudi Aramco	CNDT inspection services for WRTD	28-Sep-21	In Process
Saudi Aramco	Conventional Non-Destructive Testing	28-Sep-21	In Process
Saudi Aramco	To Provide NDT Services for HdGP Inspect	28-Sep-21	In Process
Saudi Aramco	CNDT Services RRD	28-Sep-21	In Process
MUTLAQ AL GHOWAIRI CONTRACTING CO. MGC	PROVIDING ADVANCE NDT SERVICES FOR NEW ABHA METROPOLITAN CITY FEEDER WTS	10-Oct-21	In Process
Arabian Pipeline & Services Co. Ltd. (ANABEEB)	Providing NDT & PWHT Services in Kingdom Of Saudi Arabia.	21-Oct-21	In Process

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Client	Project	Start Date	End Date
Saudi Aramco	Conventional Non-Destructive Testing	17-Oct-21	In Process
Saudi Aramco	Qualified & Cirtified CNDT at SHGPD	7-Nov-21	In Process
Saudi Services for Electro Mechanical Works	Providing PAUT Services at Haradh and Hawiyah	16-Nov-21	In Process
Larsen Toubro Arabia L.L.C.	Providing PAUT Services at Offshore	7-Dec-21	In Process
Al Falak Systems Solutions & Consulting	Providing NDT Services for steel tanks	6-Jan-21	In Process
Br. CAT International Company Limited	Providing NDT & PWHT Services at Eastern Province	23-Mar-22	In Process
SICIM Saudi Arabia	Providing NDT & PWHT Services at Dammam	20-Feb-22	In Process
Saipem Taqa Al Rushaid Fabricators Co. Ltd. (STAR)	Providing NDT Services at Dammam	28-Apr-22	In Process
SICIM Saudi Arabia	Providing NDT & PWHT Services at Dammam	20-Feb-22	In Process
SICIM Saudi Arabia	Providing Automated Ultrasonic(AUT)Testing Services at Dammam & Uthmaniayah	20-Feb-22	In Process
Metscco Heavy Steel Industries Co. Ltd.	Providing NDT Services at Riyadh	27-Feb-22	In Process
Saipem Taqa Al Rushaid Fabricators Co. Ltd. (STAR)	Providing NDT Services at Dammam	28-Apr-22	In Process
Energya Hesham Helal El Sewedy & Partners For Steel Ind. Co	Providing NDT & PWHT Services at Berri, King Salman Maritime and Samsung (Aramco Hawiyah) Hugrus	10-Mar-22	In Process
L&T Hydro-carbon Saudi Company	Providing NDT Services at L & T Fab Shop Aramco & Non Aramco Projects	8-May-22	In Process

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Client	Project	Start Date	End Date
Crown Specialized for Steel Contracting. Ltd.	Providing NDT & PWHT Services at Jeddah	9-Mar-22	In Process
Novel Arabia Middle East Ltd	Providing Circumferential PWHT Services for Water Oil Separator at Jubail.	15-Mar-22	In Process
Saudi Arabian Fabricated Metals Industry Co., Ltd. (SAFAMI)	Providing Internal and Furnace Firing Services for Pressure Vessels at Dammam and Jubail Providing NDT Services at L & T Fab Shop Aramco & Non Aramco Projects	10-May-22	In Process
L&T Hydro-carbon Saudi Company	Providing NDT Services at L & T Fab Shop Aramco & Non Aramco Projects	18-May-22	In Process
H. K. Al Sadiq Sons Cont. Co. Ltd.	Providing NDT & PWHT Services at Juyamah	25-Apr-22	In Process
Saudi Aramco Jubail Refinery Co ( SASREF )	Providing ANDT services for TANKS & HEAT EXCHANGERS INSPECTION at Sasref Jubail plant	11-Apr-22	In Process
Saudi Arabian Fabricated Metals Industry Co., Ltd. (SAFAMI)	Providing NDT & PWHT Services for Berri Development Project at Jubail.	7-Apr-22	In Process
Arabian Fal Company	Providing NDT Services at Jeddah	28-Apr-22	In Process
H. K. Al Sadiq Sons Cont. Co. Ltd.	Providing NDT & PWHT Services at Juyamah	25-Apr-22	In Process
SAIPEM Snam-progetti Saudi Arabia Ltd.	Providing NDT & PWHT Services for E&C Onshore Projects	11-May-22	In Process
CRES-Kabbani Construction Group	Providing NDT Services at Offshore(KJO)	28-Apr-22	In Process
JANA Marine Services Co LLC	Providing NDT III Inspector for NDT Procedure review services	3-Dec-22	In Process
SAIPEM Snam-progetti Saudi Arabia Ltd.	Providing NDT & PWHT Services for E&C Onshore Projects	11-May-22	In Process
SAIPEM Snam-progetti Saudi Arabia Ltd.	Providing NDT & PWHT Services for E&C Onshore Projects. ( brown Field Job )	2-May-22	In Process

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Client	Project	Start Date	End Date
SAIPEM Snam-progetti Saudi Arabia Ltd.	Providing NDT & PWHT Services for E&C Onshore Projects. ( Green Field Job )	2-May-22	In Process
Petro Rabigh	Conventional NDT Services	16-Jun-22	In Process
Salim M. Al-Joaib & Partners Co	Providing NDT & HT Services for AWIS Pipeline Project at Abqaiq	5-Jun-22	In Process
Saad Ali Al Essa Group for Contracting	Providing NDT & PWHT Services at Yanbu	12-Jun-22	In Process
Petro Rabigh	Conventional NDT Services	16-Jun-22	In Process
M.S. AL-Suwaidi Industrial Services Co.Ltd.	Providing NDT & PWHT PQR, WQT & Mechanical Test Coupon & Inspection Services for all projects throughout the Kingdom of Saudi Arabia (Eastern, Central and Western regions)	26-Jun-22	In Process
Al Zamil Metal Works Factory	Providing Radiography Testing Services at Jeddah	4-Jul-22	In Process
Petrojet	Providing NDT Services at Haradh	7-Aug-22	In Process
Petrojet	Providing NDT Services at Haradh	7-Aug-22	In Process
Saudi Aramco	Jeddah	22-Aug-22	In Process
Saudi Aramco	Provide NDT Services for HdGP Inspection at Haradh	29-Aug-22	In Process
Saudi Aramco	Providing PWHT Services at Ras tanura	3-Nov-22	In Process
Saudi Aramco	CNDT SERVICES AT WRTD-YANBU	24-Nov-22	In Process
Saudi Aramco Base Oil Company - Luberef	Providing NDT & Inspection Services " at Luberef I & II Jeddah & Yanbu	3-Nov-22	In Process

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Client	Project	Start Date	End Date
Yansab / Sabic	Providing NDT Services at Yanbu	27-Oct-22	In Process
Saudi Aramco	Perform NDT Service for CRDD	24-Nov-22	In Process
Saudi Aramco	Conventional Non-Destructive Testing	20-Feb-23	In Process
Saudi Aramco	CNDT Contractor for ShGPD	20-Feb-23	In Process
Saudi Aramco	Conventional Non-Destructive Testing ( SWID )	20-Feb-23	In Process
Specialized Industrial Services Co. Ltd. (SISCO)	Providing NDT & PWHT Services at Jubail & South Ghawar	7-Mar-23	In Process
Saipem Taqa Al Rushaid Fabricators Co. Ltd. (STAR)	Providing NDT Services at Dammam	28-Mar-23	In Process
Saudi Aramco	Providing ANDT Services across The Kingdom of Saudi Arabia	28-Mar-23	In Process
Petron Saudi Industrial Company LLC	Providing Internal and Furnace Firing Services for Vessel at Jubail,Dammam Sogec Yard	20-Mar-23	In Process
Inma Steel Fabricators Co. Ltd.	Providing Internal Firing Services for Sulfur Degassing & Sulfur Collection Vessel at Jubail	5-Apr-23	In Process
Saudi Aramco	Providing Heat Treatment Services @ JNGL Area	24-Jan-24	In Process
SAIPEM Snam-progetti Saudi Arabia Ltd.	RTFI Services for HOOK UP @ STANFORD CONDOR BERRI	9-Jan-24	In Process
SAIPEM Snam-progetti Saudi Arabia Ltd.	NDT Services for HOOK UP @ QMS GLADIATOR ZULF-TP-3-LTA63	16-Jan-24	In Process
SAIPEM Snam-progetti Saudi Arabia Ltd.	NDT Services for HOOK UP @ 770 / 779 - MRJN	3-Jan-24	In Process

## 8. Projects References

Client	Project	Start Date	End Date
Saudi Aramco Jubail Refinery Co ( SASREF )	Providing ANDT services for TANKS & HEAT EXCHANGERS INSPECTION at Sasref Jubail plant	1-Apr-24	In Process
Petro Rabigh	Conventional NDT Services	1-Jan-24	In Process
Petro Rabigh	Conventional NDT Services	1-Feb-24	In Process
Petro Rabigh	Conventional NDT Services	1-Apr-24	In Process
Petro Rabigh	Conventional NDT Services	1-Jun-24	In Process
Petro Rabigh	Conventional NDT Services	1-Aug-24	In Process
Petro Rabigh	Conventional NDT Services	1-Oct-24	In Process
Petro Rabigh	Conventional NDT Services	1-Dec-24	In Process
Petro Rabigh	Conventional NDT Services	1-Dec-24	In Process
Saipem Taqa Al Rushaid Fabricators Co. Ltd. (STAR)	Providing NDT Services at Dammam SFNY ( PKG 1 LTA 124 - )	7-Mar-24	In Process
Arabian International Company (AIC Steel)	Providing NDT & PWHT Services at Asfan Fab Shop & Jafura site	10-Mar-24	In Process
Arabian International Company (AIC Steel)	Providing NDT Services at Asfan Fab Shop & Jafura site	16-Jul-24	In Process
Arabian International Company (AIC Steel)	Providing NDT Services at Asfan Fab Shop & Jafura site	1-Aug-24	In Process
Yanbu Steel Company	Providing NDT & PWHT Services at L & T Fab Shop(- Jubail)	11-Jul-24	In Process

## 8. Projects References

Client	Project	Start Date	End Date
Saudi Aramco	Provide NDT Services for HdGP Inspection	1-Oct-24	In Process
Saad Ali Al Essa Group for Contracting	Providing NDT & PWHT Services at Haradh	22-Jan-24	In Process
Gulf Asia Contracting Company L.L.C	Providing NDT & PWHT Services for GACC-TR Project at Marjan-Package 9 & 11.	4-Feb-24	In Process
Gulf Asia Contracting Company L.L.C	Providing NDT & PWHT Services for GACC-TR Project at Marjan-Package 9 & 11.	4-Feb-24	In Process
Al Yamama Company For Trading & Contracting	Providing NDT & PWHT Services at Jefurah & Dammam	8-Jan-24	In Process
Olayan Descon Engineering Company (ODECO)	Providing Radiography Testing Services at Jubail	29-Jan-24	In Process
Metscco Heavy Steel Industries Co. Ltd.	Providing NDT Services at Jeddah & Rabigh	26-Mar-24	In Process
Br. CAT International Company Limited	Providing NDT & PWHT Services at Dammam & Haradh	10-Mar-24	In Process
Arabian Pipeline & Services Co. Ltd. (ANABEEB)	Providing NDT & PWHT Services in Kingdom Of Saudi Arabia	4-Apr-24	In Process
Br. CAT International Company Limited	Providing NDT & PWHT Services at Dammam & Haradh	10-Mar-24	In Process
SAIPEM Snam-progetti Saudi Arabia Ltd.	To provide RT & Other NDT services for Offshore and Onshore	4-Apr-24	In Process
Olayan Descon Engineering Company (ODECO)	Providing Internal Firing Services for Pressure Vessel at Jubail	1-Apr-24	In Process
Sinopec Engineering Group Saudi Co. Ltd.	Providing NDT Services at Marjan (Package10)	21-Apr-24	In Process
Specialized Industrial Services Co. Ltd. (SISCO)	Providing NDT & PWHT Services at Jafurah	21-Mar-24	In Process

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Client	Project	Start Date	End Date
Yanbu Aramco Sinopec Refining Company (YAS- REF) Ltd.	Providing Advanced NDT Services at YASREF	2-Apr-24	In Process
SAIPEM Snam- progetti Saudi Arabia Ltd.	To provide RT & Other NDT services for Offshore and Onshore	4-Apr-24	In Process
NESMA Projects	Providing NDT & PMI Services at Various Locations.	3-Apr-24	In Process
Nasser Saeed. Al Hajri & Partners Cont.Com	Providing NDT & Services at Marjan (Package10).	5-Jun-24	In Process
Farabi Petro- chemicals Com- pany	Providing NDT, Inspection & PWHT Services at Jubail & Yanbu	10-Jun-24	In Process
Crown Special- ized for Steel Contracting. Ltd.	Providing NDT & PWHT Services at Jeddah	22-Aug-24	In Process
GAS Arabian Services Co. Ltd	Providing NDT & PWHT Services at Dammam	4-Apr-24	In Process
Sinopec Engi- neering Group Saudi Co. Ltd.	Providing NDT Services at Marjan (Package10)	21-Apr-24	In Process
Al Rushaid Con- struction Co. Ltd.	Providing NDT Services at Jafurah	19-May-24	In Process
Maritime Indus- trial Services Arabia Co. Ltd.	Providing Radiography Testing Services at Jubail	12-Jun-24	In Process
Domus Lloyd Contracting Limited	Providing NDT & PWHT, PQR, WQT & Mechanical Test Coupon & Inspection Services at Yanbu	28-Oct-24	In Process
Crown Special- ized for Steel Contracting. Ltd.	Providing NDT & PWHT Services at Jeddah	22-Aug-24	In Process
China Petroleum Engineering & Construction Corporation	Providing NDT & PWHT Services at Yanbu	12-Sep-24	In Process
Saudi Aramco	Providing Non-distractive testing at SNGL	11-Jul-24	In Process

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Client	Project	Start Date	End Date
Branch of Sinopec International Petroleum Service Corporation	Providing AUT& NDT,PWHT Services at MGS-III	14-Oct-24	In Process
L&T Hydro-carbon Saudi Company	Providing NDT & PWHT Services at Jubail	22-Jul-24	In Process
China Petroleum Engineering & Construction Corporation	Providing NDT & PWHT Services at Yanbu	12-Sep-24	In Process
Kalpataru Projects International Limited	Providing NDT Services at MGS-III (Package 13, 15 & 17) Project	8-Sep-24	In Process
NESMA & PARTNERS CONTRACTING CO.LTD.	Providing NDT & PWHT Services at MGS-III.	24-Nov-24	In Process
Branch of Hyundai Engineering & Construction Co Ltd	Providing NDT & PWHT Services at AMIRAL PKG#4 - Utilites, Flares and Interconnecting System	11-Dec-24	In Process
Gulf Excellent Group	Providing NDT & PWHT Services at Jefurah & Jubail	30-Sep-24	In Process
Al Muzain Gulf Saudi Contracting Co.	Providing NDT & PWHT Services at Yasref (Yanbu	29-Sep-24	In Process
Branch of Sinopec International Petroleum Service Corporation	Providing AUT& NDT,PWHT Services at MGS-III	14-Oct-24	In Process
Domus Lloyd Contracting Limited	Providing NDT & PWHT Services at Yanbu	29-Oct-24	In Process
Gulf Oil Performance Industrial Company	Providing NDT & PWHT Services at Jubail	10-Oct-24	In Process
NESMA & PARTNERS CONTRACTING CO.LTD.	Providing NDT & PWHT Services at MGS-III	24-Nov-24	In Process
Branch of Hyundai Engineering & Construction Co Ltd	Providing NDT & PWHT Services at AMIRAL PKG#4 - Utilites, Flares and Interconnecting System	11-Dec-24	In Process
Gulf Excellent Group	Providing NDT & PWHT Services at Jefurah & Jubail	30-Sep-24	In Process

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Client	Project	Start Date	End Date
Sinopec Engineering Group Saudi Co. Ltd.	Providing NDT & PWHT, PQR, WQT & Mechanical Test Coupon & Inspection Services for Package (5AC) AMI-RAL- Tank Farm and SATOPR Integration	22-Dec-24	In Process
Alyusr Industrial Contracting Co. (Aytb)	Providing NDT & PWHT Services at Yasref (Yanbu)	10-Dec-24	In Process
Saudi Aramco	Conventional NDT services at SAFANIYAH OFFSHORE I	11-Dec-24	In Process
Denys Arabia company Ltd	Providing NDT & PWHT Services at Ras Tanura	15-Dec-24	In Process
Specialized Industrial Services Co. Ltd. (SISCO)	Providing NDT Services at Turaif.	15-Dec-24	In Process
GAS Arabian Services Co. Ltd	Providing AUT & NDT, PWHT Services	12-Dec-24	In Process
Abdullah A. Al-Barak & Sons Co.	Providing PWHT Services at Jizan	3-Feb-25	In Process
Abdullah A. Al-Barak & Sons Co.	Providing NDT & PWHT Services at Jizan	5-Feb-25	In Process
BIN QURAYA COMPANY LIMITED	Providing NDT & PMI Services at Ras Tanurah	5-Feb-25	In Process

## 8. Projects References

### 8.4. Heat Treatment - Completed Projects

Client	Project	Start Date	End Date
Kayan / Sabic	Heat Treatment Services	May, 2016	May, 2016
Petro Rabigh	Supply of Heat Treatment Crew	Dec, 2015	Jan 2015
Sadaf / Sabic	PWHT Services at Sadaf	Oct, 2018	Oct 2018
Sadaf / Sabic	PWHT Services at Sadaf	Aug, 2019	Aug, 2019
Safco / SABIC	"Providing Heat Treatment Services at Safco (SF4 / TA17)"	Oct 2017	Nov, 2017
Petro Rabigh	Providing PWHT Services / (Lube Oil Systems of the LDPE EVA Reciprocating Compressors P-360K1001- & P-360K1002-)	Mar, 2017	Apr. 2017
Petro Rabigh	PWHT Services at Petro Rabigh	Nov, 2017	Mar, 2018
Saudi Aramco	Offline Dryout for Refractory Repairs in SRU 3#	Feb, 2017	Apr, 2017
Saudi Aramco	Post Weld Heat Treatment (PWHT) During GT1- T&I	Jun, 2016	Aug, 2019
National Contracting Co. Ltd.	Providing PWHT Services for Khurais Area Facilities Expansion & Satelite GOSP Project at Khurais	Jan, 2017	Feb, 2017
Bayroni / Sabic	Post Weld Heat Treatment (PWHT) services	Mar, 2018	Apr, 2018
The Bahrain Petroleum Co. (BAPCO)	Provision of Heat Treatment Services - Platformer T&I 2017 (O286485)	Apr, 2017	Apr, 2017
The Bahrain Petroleum Co. (BAPCO)	Providing of Heat Treatment Services	Jan, 2020	Apr, 2020

## 8. Projects References

Client	Project	Start Date	End Date
Olayan Descon	Providing PWHT Services for Tanks	Jun, 2017	Jun, 2017
Kubota Saudi Arabia Company	Construction of Temporary Furnace and Providing Solution Annealing Services for Tubes	Mar, 2017	Dec, 2020
Naser M. Al Baddah & Partner Gen. Trdg. & Cont. Co. W.L.L.	Providing Refractory Dryout Services for HTER Pressure Shell at Kuwait	Jul, 2017	Aug, 2017
Nasser S. Al Hajri	Providing PWHT Services for Jazan Refinery & Terminal Projects	Feb, 2017	Feb, 2017
SAIPEM Snamprogetti Saudi Arabia Ltd.	HT Services for Hook-up Activities Offshore	Jun, 2017	Dec, 2020
SAIPEM Snamprogetti Saudi Arabia Ltd.	HT Services for Hook-up Activities Offshore -ARBI WO# 31113290	Jan, 2018	Jan, 2018
Sinopec Engineering Group Saudi Co. Ltd.	Providing PWHT Services for Fadhli Gas Program Project	Dec, 2017	Dec, 2017
Larsen & Toubro	"Providing PWHT Services For Hasbah Offshore Gas Facilities Increment II Project"	Jul, 2017	Aug, 2017
Ar Razi / Sabic	Providing PWHT Services at Ar Razi, Jubail	Sep, 2017	Nov, 2018
Petroleum Chemicals & Mining Co. Ltd.	Providing PWHT Services for Fadhili Project at Jubail	Oct, 2017	Jan, 2019
Olayan Descon	Providing PWHT Services for Amine Regenerator Column at Fadhli	Nov, 2017	Dec, 2017
Olayan Descon	Providing HT Services at Abqaiq	Jan, 2019	Jan, 2019
Binzagr Factory for Insulation Materials Co. Ltd.	Providing Refractory Dryout Services for Stack & Nozzle	Nov, 2017	Dec, 2017

## 8. Projects References

Client	Project	Start Date	End Date
Saudi Arabian Kentz Co. Ltd.	Supply of Heat Treatment Technician at Jazan	Feb, 2018	Mar, 2018
Novel Arabia Middle East LTD.	Providing PWHT Service For Internal Firing Vessel @ Jubail	Jul, 2018	Jul, 2018
Novel Arabia Middle East LTD.	Providing PWHT Services @ Jubail	Oct, 2018	Nov, 2018
Zamil Inspection and Maintenance Co. Ltd.	Providing PWHT Services @ Dammam	Sep, 2018	Sep, 2018
Saudi Aramco	Providing Heat Treatment Services @ Yanbu Area	Mar, 2019	Apr, 2019
Petro Rabigh	Heat Treatment Services for Upcoming TA2020	Mar, 2020	May, 2020
Petro Rabigh	Providing PWHT BY Electrical Resistance Method for Absorber Drum R-280D0011-B,C,H & I	Mar, 2020	Apr, 2020
Saudi Services For Electro Mechanical Works Co	Providing NDT & PWHT Service for Construction of Yanbu Distribution HUB in plant & Interface Works	Jul, 2020	Jul, 2020
Tecnicas Reunidas Saudia for Services and Contracting Co.Ltd.	Providing Thermal Curing for Tanks at Jazan	Nov, 2019	Nov, 2019
Tecnicas Reunidas Saudia for Services and Contracting Co.Ltd.	Providing Thermal Curing for Tanks at Jazan	Nov, 2019	Nov, 2019
Saudi Aramco	Providing Offline Dryout For Refractory Repairs ( Udhiliyah )	Dec, 2020	Jan, 2021
Al Zamil Metal Works Factory ( Abdullah Al Zamil Est For Trading & Contracting.)	Providing Internal firing Services and Construction of furnace at Jeddah.	Nov, 2020	Nov, 2020

## 8. Projects References

Client	Project	Start Date	End Date
Saudi Arabian Fabricated Metals Industry Co. Ltd. (SAFAMI)	Providing NDT & PWHT Services for Berri Development Project at Jubail.	Jun, 2020	Jul, 2020
Inma Steel Fabricators Co. Ltd.	Providing Internal firing Services for WOSEP, Water Oil Separator and High Pressure Production Traps (HPPT) at Inma steel (Jubail).	Mar, 2021	Mar, 2021
Branch of Hyundai Engineering & Construction Co. Ltd	Providing Heat Treatment Services at Marjan Package 6 project	Jan, 2021	May, 2021

## 8.5. Heat Treatment - On-Going Projects

Client	Project	Start Date	End Date
Saudi Arabian Kentz Co. Ltd.	Supply of Heat Treatment Technician at Jazan	Nov, 2019	Ongoing
Tamimi Global Co. Ltd. - TAFGA	Providing PWHT Services at Tamimi Workshop	Sept, 2018	Ongoing
Dynamic Industries Saudi Arabia Limited	PWHT Services for Berri Field (Offshore)	Jan, 2021	Ongoing
SAIPEM Snamprogetti Saudi Arabia Ltd.	PWHT Services for Hook-Up Activities Offshore	Jan, 2021	Ongoing
Sinopec Engineering Group Saudi Co. Ltd.	"Providing NDT and PWHT Services for Increase Pumping Capacity Qatif Project."	Jan, 2021	Ongoing
Engineering For The Petroleum and Process Industries (Enppi)	Providing NDT and PWHT Services at Abqaiq	Jan, 2021	Ongoing
SAIPEM Snamprogetti Saudi Arabia Ltd.	NDT Services For Hook-Up Activities Offshore	Jan, 2021	Ongoing

## 8. Projects References

### 8.6. VCI - Completed Projects

Project	Client	Location	Scope
Corrosion Inhibitors Protection of "Bottom side" for One Tank for Aramco	Aramco	Khurasaniyah	Protection of tank bottom placed on sand as the existing CP system in not working
Corrosion Inhibitors Protection of "Bottom side" for One Tank for SWCC.	SWCC	Riyadh	Protection of tank bottom placed on concrete slab
Corrosion Inhibitors Protection of "Internal Surfaces" for Six Tanks in JEDDAH for Aramco.	Aramco	Jeddah	Preservation of tanks internal surface

## 8. Projects References

### 8.8. Solar Energy - Completed Projects

Client	Capacity	Mounting	Type	Connection	COD
Solar Street Lights for Kayan Car Parking, Jubail	175 Set	Pole Mounted	EPC	Off Grid	March 2020
Private Resident Extension - villa, Assalt	3.78 KWP, Solar	Rooftop	EPC	Net Metering	February 2019
Private Resident Extension - villa, Amman	1.89 KWP, Solar	Rooftop	EPC	Net Metering	February 2019
Private Resident - villa, Amman	4.73 KWP, Solar	Rooftop	EPC	Net Metering	January 2019
PV Power Supply for Cathodic Protection, Tabouk	30 KWp, Solar	Ground Mounted	EPC	Off Grid	June 2019
Private Resident Extension - villa, Assalt	3.78 KWP, Solar	Rooftop	EPC	Net Metering	February 2019
Private Resident Extension - villa, Amman	1.89 KWP, Solar	Rooftop	EPC	Net Metering	February 2019
Private Resident - villa, Amman	4.73 KWP, Solar	Rooftop	EPC	Net Metering	January 2019
Ramadan Mosque, Amman	22.68 KWP, Solar	Rooftop	EPC	Net Metering	March 2018
Ramadan Mosque, Amman	22.68 KWP, Solar	Rooftop	EPC	Net Metering	March 2018
Private Resident - villa, Irbid	9.45 KWP, Solar	Rooftop	EPC	Net Metering	November 2017
Jumha Mosque, Irbid	13.23 KWP, Solar	Rooftop	EPC	Net Metering	September 2017
Private Resident - villa, Assalt	9.45 KWP, Solar	Rooftop	EPC	Net Metering	August 2017

## 8. Projects References

Client	Capacity	Mounting	Type	Connection	COD
Private Resident - villa, Irbid	9.45 KWP, Solar	Rooftop	EPC	Net Metering	November 2017
Jumha Mosque, Irbid	13.23 KWP, Solar	Rooftop	EPC	Net Metering	September 2017
Private Resident - villa, Assalt	9.45 KWP, Solar	Rooftop	EPC	Net Metering	August 2017
Solar System for Shaybah-Abqaiq Pipeline	15KWP, Solar	Ground Mounted	EPC	Off Grid	March 2017
Private Resident - villa, Amman	22.05KWP, Solar	Rooftop	EPC	Net Metering	February 2017
Irbid Specialized Hospital, Irbid	0.804 MWP, Solar	Carports, Rooftops	EPC	Net Metering	October 2017
German Jordanian University, Madaba	2.11 MWP, Solar	Carports, Rooftops	EPC	Net Metering	October 2017
Civil Defense Directorate, Al Tafila	1.13 MWP, Solar	Ground Mounted	BOT	Wheeling	September 2017
Al Hussein Bin Talal University, Ma'an	3 MWP, Solar	Ground Mounted	BOT	Net Metering	June 2017
Hashemite University, Az Zarqa	5.063 MWP, Solar	Ground, Carports & Canopies	EPC	Net Metering	June 2016
Ministry of Energy & Mineral Resources, Amman	35 KWP	Rooftop	EPC	Net Metering	April 2015
Water Authority of Jordan, Amman	PV Water Pumping		EPC	Pumping	July 2014

## 8. Projects References

### 8.9. Solar Energy - On-Going Projects

Client	Mounting	Connection	Client	End Client	Location	Year
On-Grid Solar PV system for IKK Glass Factory (1.4MW)	Rooftop	On Grid	IKK Glass	Isam Kabbani	KSA	2021
King Faisal Street Light in Jeddah	Pole Mounted	Off Grid	Jeddah Municipality	Jeddah Municipality	KSA	2020
Aal Al Bait University, Mafraq (3MW)	Ground Mounted	On Grid	Aal Al Bait University	Aal Al Bait University	Jordan	2021
United Nations High Commissioner for Refugees, Azraq Refugees Camp (5MW)	Ground Mounted	On Grid	UNHCR	UNHCR	Jordan	2020
Al-Zahid Complex in Jeddah	Pole Mounted	Off Grid	Al Zahid	AL Zahid	KSA	2021

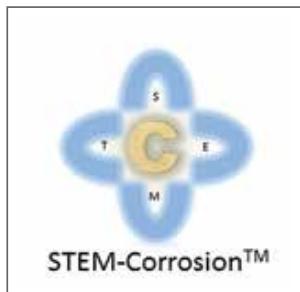
## 9. Authorized Distributor



## 8. Projects References

## 9. Authorized Distributor

SOGEC is the authorized distributor inside Kingdom of Saudi Arabia of the following highly recognized international suppliers and service providers:



## 10. Commercial & Legal Certificates



## 10. Commercial & Legal Certificates

## 10.1. Government Certificates

Commercial Registration - Dammam

## Commercial Registration - Jeddah

٧٠٠١٤١١١٩٣ ٤٠٣٠١٣٣١٩٢ ٥ ١٤٤٢/٠١/٠٣	الرقم: التاريخ:	 <b>وزارة التجارة</b> Ministry of Commerce	 رؤية ٢٠٣٠ المملكة العربية السعودية KINGDOM OF SAUDI ARABIA																								
<b>تنبيهات تسجيل الشركة</b>																											
<b>الاسم التجاري للشركة: الشركة المميزة لاعمال البترول والغاز</b> <b>نوعها: ذات مسؤولية محدودة</b>																											
<b>مدة الشركة: ٢٥ سنة</b> <b>نهاية من: ١٤٤٢/١٠/٥</b> <b>وتنتهي في: ١٤٤٧/١٠/٣</b>																											
<b>مركزها الرئيسي: جدة طريق الملك خالد / جوار وزارة الحج والعوقف</b> <b>الرمز البريدي: ٢١٤٤٢</b> <b>هاتف: ٦٦٧٢٠٠٠</b>																											
<b>النشاط: صناعة المحولات الكهربائية، صناعة أجزاء للمواد والمحركات ومحولات الطاقة الكهربائية، إصلاح وصيانة الأنابيب وخطوط الأنابيب، إصلاح وصيانة المحطات والشبكات والخطوط الرئيسية لتوزيع المياه، تجديد الأسلاك الكهربائية، النشطة اختبار واعتماد النوعية والجودة والمنتج، التصوير الإشعاعي الصناعي</b>																											
<b>رأس المال: ١٢٥,٠٠٠ ريال سعودي</b> <b>المديرون:</b> <table border="0" style="width: 100%;"> <tr> <td style="width: 50%;">١</td> <td style="width: 50%;">عمر مأمون محلخوري القباني</td> </tr> <tr> <td>٢</td> <td>حسان عصام محمد قباني</td> </tr> <tr> <td>٣</td> <td>_____</td> </tr> <tr> <td>٤</td> <td>_____</td> </tr> <tr> <td>٥</td> <td>_____</td> </tr> <tr> <td>٦</td> <td>_____</td> </tr> <tr> <td>٧</td> <td>_____</td> </tr> <tr> <td>٨</td> <td>_____</td> </tr> <tr> <td>٩</td> <td>_____</td> </tr> <tr> <td>١٠</td> <td>_____</td> </tr> <tr> <td>١١</td> <td>_____</td> </tr> <tr> <td>١٢</td> <td>_____</td> </tr> </table>				١	عمر مأمون محلخوري القباني	٢	حسان عصام محمد قباني	٣	_____	٤	_____	٥	_____	٦	_____	٧	_____	٨	_____	٩	_____	١٠	_____	١١	_____	١٢	_____
١	عمر مأمون محلخوري القباني																										
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<b>سلطات المدير المديرون: حسب ما نص عليه عقد الشركة</b>																											
<b>جدة</b> يشهد مكتب السجل التجاري بمدينة: <b>جدة</b> بأنه تم تسجيل فرع الشركة المذكورة أعلاه بمدينة: <b>جدة</b> وتنتهي صلاحيتها في: <b>١٤٤٧/١٠/٣</b> بموجب الإيصال رقم: <b>١٤٤٢/١٢٢</b> وتاريخ: <b>١٤٤٢/٠١/٢٢</b>																											
<b>عبد المحسن بن إبراهيم الحماد</b> مدير السجل التجاري للشركات: التوقيع:																											
 يمكن التحقق من صحة هذه الشهادة بالدخول على <a href="http://v.mci.gov.sa">http://v.mci.gov.sa</a>																											

## 10. Commercial & Legal Certificates

### Chamber of Commerce - Dammam



## 10. Commercial & Legal Certificates

### VAT Certificate - KSA



## 10. Commercial & Legal Certificates

### Zakat, Tax & Customs Authority Certificate

 1022199193		الرقم المميز ٣٠٠٢٠٦٦١٥		المملكة العربية السعودية Kingdom of Saudi Arabia
Certificate No.	١٠٢٢١٩٩١٩٣	رقم الشهادة	هيئة الزكاة والضريبة والجمارك Zakat, Tax and Customs Authority	
Issue Date	١٤٤٥/١٠/١٣	تاريخ الشهادة		
<b>شهادة</b> <b>Certificate</b>				
The Zakat, Tax and Customs Authority certifies that the Taxpayer			تشهد هيئة الزكاة والضريبة والجمارك أن المكلف /	
الشركة المميزة لعمليات البترول والغاز				
Entity Unified No./ID No.	٧٠٠١٦٦٦٩٣			الرقم الموحد للمنشأة / رقم هوية
Commercial Registration/License/ Contract No.	٤٠٣٠١٣٣٦٩٣			سجل تجاري / رخصة / عقد رقم
Has submitted his tax return for the period ending on 31/12/2023 AD, and he was granted the certificate to complete all his transactions including the payment of the final amount due on the contract.			قدم إقراره عن الفترة المنتهية في ١٤٤٥/١٢/٣١ هـ، وقد منح هذه الشهادة إنهاء جميع معاملاته بما في ذلك صرف مستحقاته النهائية عن العقد.	
The Certificate is valid until 02/11/1446 AH corresponding to 30/04/2025 AD			يسري مفعول هذه الشهادة حتى تاريخ ١٤٤٦/١١/٢ هـ الموافق ٢٠٢٥-٠٤-٣٠.	
( The second of Dhu al-Qi'dah one thousand four hundred forty-six Hijri ) ( الثاني من ذو القعده ألف و أربعهان و ستة و أربعون هجري )				
<p>لايعد بهذه الشهادة إلا بعد التحقق من موقع الهيئة الإلكتروني: <a href="http://www.zatca.gov.sa">www.zatca.gov.sa</a></p> <p>This certificate is not valid until verified by the Authority's Website: <a href="http://www.zatca.gov.sa">www.zatca.gov.sa</a></p>				
zatca.gov.sa	19993	@zatca_sa		هذه الوثيقة مسترجدة من النظام الآلي ولا تحتاج إلى توقيع ولا يعد بهذه الشهادة إلا بعد التتحقق من موقع الهيئة <a href="http://www.zatca.gov.sa">www.zatca.gov.sa</a>

## 10. Commercial & Legal Certificates

### Saudizati- Jeddah Certificate

**QIWA** 

الموارد البشرية  
والتنمية الاجتماعية 

# شهادة التوطين

تاريخ انتهاء الصلاحية 15/04/2025	تاريخ الإصدار 02/10/2022	رقم الشهادة 576297-81812604
15/01/2025		تاريخ التجديد/التحديث
تم التحقق 		حالة الشهادة
الشركة المميزة لاعمال البترول والغاز		اسم المنشأة
9-35247		رقم المنشأة
4030133192		رقم السجل التجاري
7001411193		الرقم الوطني الموحد
اخضر صغير (فئة أ) 		مستوى نطاقات
% 100		معدل التوطين



**VISION 2030**  
المملكة العربية السعودية  
KINGDOM OF SAUDI ARABIA

The Ministry of Human Resources and Social Development certifies that the above mentioned Establishment has achieved the required Nationalization rate and has been granted this certificate upon request.

The certificate is electronically generated and approved by the authority. It does not require any signature or stamp.

تشهد وزارة الموارد البشرية والتنمية الاجتماعية بان المنشأة المذكورة أعلاه حققت نسبة التوطين المطلوبة وتم منحها هذه الشهادة بناءً على طلبها.

الشهادة تم إنشاؤها إلكترونياً ومعتمدة من الجهة المختصة ولا تحتاج الى ختم او توقيع

## 10. Commercial & Legal Certificates

### Industrial License

				ترخيص منشأة صناعية			
2025-05-23	تاريخ الانتهاء:	2014-04-20	تاريخ الإصدار:	1435100190907	رقم الترخيص الصناعي:		
7013610279	الرقم الموحد:	351324	رمز المنشأة الصناعية:				
مصنع الشركة المميزة لاعمال البترول والغاز المحدودة		اسم المنشأة الصناعية:					
الدمام - المنطقة الشرقية		عنوان المنشأة الصناعية:					
مصنع الشركة المميزة لاعمال البترول والغاز المحدودة		اسم السجل التجاري:					
الدمام		عنوان السجل التجاري:					
1250000	رأس المال:	ذات مسؤولية محدودة	نوع السجل التجاري:	2050080984	رقم السجل التجاري:		
		للاطلاع على تفاصيل الأشطنة الاقتصادية والمنتجات المرخصة، والبيانات التفصيلية، والاشتراطات والمتطلبات: يرجى مسح الرمز الإلكتروني		الإنتاج	الإنشاء	التأسيس	حالة المنشأة الصناعية:
				<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	
وزارة الصناعة والثروة المعدنية							
							
بندر بن إبراهيم الخريف							
mim.gov.sa							
Ministry of Industry and Mineral Resources   Riyadh - Kingdom of Saudi Arabia   199001   ١٩٩٠٠١   المملكة العربية السعودية   الرياض - وزارة الصناعة والثروة المعدنية   ١٩٩٠٠١   ٢٠٢٣   صفحة 1 من 2							

				ترخيص منشأة صناعية			
		شريك النجاح ..					
تهنئكم بإصدار الترخيص لمنشأكم الصناعية، ونطلع إلى أن يسهم في تحقيق تطلعاتكم، وأن يكتب الله لكم التوفيق والنجاح في مسيرتكم المساعدة في تعزيز صناعة واقتصاد المملكة العربية السعودية، وندعوكم للتعرف على المكبات والمرايا المقدمة للقطاع الصناعي من خلال مسح الرمز الإلكتروني دليلاً للمكبات الصناعية.							
* تحدث ببيانات المصنع كل ستة أشهر من خلال موقع الوزارة الإلكتروني، أو عند وجود أي تغييرات عليها.		* الأحكام الواردة في قانون (النظام) التنظيم الصناعي الموحد لدول مجلس التعاون لدول الخليج العربية ولائحة التنفيذية.		اشتراطات الترخيص			
* الإذن بعد توسيع المشروع أو توسيعه أو تغيير منتجاته أو دمجه بمشروع صناعي أو إيقافه، وبعد الحصول على موافقة الوزارة مسبقاً.		* السماح لموظفي الوزارة بدخول المشروع الصناعي والإطلاع على البيانات والمستندات والحسابات، ومراقبة عملية الإنتاج وغير ذلك من نشاطات المشروع.		يلزم المرخص بما يلي:			
* عدم ممارسة الشاطئ الصناعي والإنتاج الفعلي إلا بعد إكمال المشروع الصناعي والحصول على كافة تصاريح السلامة والبيئة للتحقق، والمتطلبات من الجهات المختصة، وبعد ذلك شرط ترقية الترخيص الصناعي إلى "الإنتاج".		* السماح للوزارة بالوصول إلى كافة البيانات الخاصة بالمنشأة الصناعية، والمقدمة لكافة الجهات الحكومية.					
* التأسيس: تخلو حالة "تحت التأسيس" لصاحب المصنع التقدم بطلبات: تخصيص الطاقة، وتخصيص موقع المشروع، والتصريح البيئي للإنتاج من الجهات المعنية المختصة.		حالات المنشأة الصناعية في الترخيص					
* الإنشاء: تخلو حالة "الإنشاء" لصاحب المصنع التقدم بطلب الإعفاءات الجمركية للآلات والمعدات وقطع الغيار، وأي مزايا أو إعفاءات أخرى أقرتها الوزارة أو اتفق عليها في إطار مجلس التعاون، وفق الاشتراطات التنظيمية.		المنافع					
* الإنتاج: تخلو حالة "الإنتاج" لصاحب المصنع البدء بمارسة النشاط والإنتاج الفعلي، والتقدم بطلب الإعفاءات الجمركية على مدخلات الإنتاج، وأي مزايا أو إعفاءات أخرى أقرتها الوزارة أو اتفق عليها في إطار مجلس التعاون، وفق الاشتراطات التنظيمية.							
مذكر تواصل الشركات							
mim.gov.sa							
Ministry of Industry and Mineral Resources   Riyadh - Kingdom of Saudi Arabia   199001   ١٩٩٠٠١   المملكة العربية السعودية   الرياض - وزارة الصناعة والثروة المعدنية   ١٩٩٠٠١   ٢٠٢٣   صفحة 2 من 2							

## 10. Commercial & Legal Certificates

### 10.2. NRCC Certificates

#### NRCC - Dammam

رقم الرخصة: 10-00269ER-20	مصدر بتاريخ: 2023-02-08	نتهي بتاريخ: 2026-02-08	 هيئة الرقابة النووية والشعاعية Nuclear and Radiological Regulatory Commission	
رخصة ممارسة التصوير الإشعاعي الصناعي الشركة المميزة لأعمال البترول والغاز - الدمام				
التصوير الإشعاعي الصناعي باستخدام مصادر مشعة مختومة عالية النشاط الإشعاعي				
Isotopes	Max. No.	Physical State	Containment	Max. Activity/Source
Ir-192	10	Solid	Sealed	120 Ci
Projector Model	Projector Max No.	Projector Shielding	Mass DU/Projector	
Delta 880	10	D.U.	15.4Kg	

نائب الرئيس التنفيذي للامان الإشعاعي المكلف  
د. أحمد بن معطش العزري

مدير إدارة دعم العمليات الرقابية  
فهد بن سعيد الزكري

#### NRCC - Nairyah

رقم الرخصة : ( ت من - 1 -00896ER-151 صالحة لمدة 3 سنوات تنتهي في : 2025/06/29	 المملكة العربية السعودية هيئة الرقابة النووية والشعاعية Nuclear and Radiological Regulatory Commission الرقابة على المراافق النووية والممارسات الإشعاعية			
التصوير الإشعاعي الصناعي باستخدام مصادر مشعة مختومة عالية النشاطية				
الشركة المميزة لأعمال البترول والغاز - النعيرية				
رقم السجل التجاري : 2050045985				
هذه الرخصة لمزاولة الممارسة بالمصادر المشعة التالية				
Isotopes	Max. No.	Physical State	Containment	Max. Activity/Source
Ir-192	6	Solid	Sealed	100 Ci
Projector Max. No.	Projector Shielding			
6	D.U.			
الطاقة الاستيعابية / مصدر	الموقع	م	النوع	م
9	النوعية	1	المصدر	

نائب الرئيس التنفيذي  
للرقابة على المراافق النووية والممارسات الإشعاعية  
د. سعيد بن محمد الصودي

مدير إدارة الرقابة والترخيص  
فهد بن سعيد الزكري

## 10. Commercial & Legal Certificates

### NRCC - Rabigh

رقم الرخصة : 1-01001MK-172	صدرت بتاريخ : 2023-03-05	تنتهي بتاريخ : 2026-03-05	 هيئة الرقابة النووية والإشعاعية Nuclear and Radiological Regulatory Commission																							
<p>رخصة ممارسة التصوير الإشعاعي الصناعي الشركة المميزة لأعمال البترول والغاز - رابغ</p> <table><thead><tr><th colspan="5">التصوير الإشعاعي الصناعي باستخدام مصادر مشعة مخوّلة على النشاط الإشعاعي</th></tr><tr><th>Isotopes</th><th>Max. No.</th><th>Physical State</th><th>Containment</th><th>Max. Activity/Source</th></tr></thead><tbody><tr><td>Ir-192</td><td>8</td><td>Solid</td><td>Sealed</td><td>120 Ci</td></tr></tbody></table> <table><thead><tr><th>Projector Model</th><th>Projector Max. No.</th><th>Projector Shielding</th><th>Mass DU/Projector</th></tr></thead><tbody><tr><td>Delta 880</td><td>8</td><td>D.U.</td><td>15.4Kg</td></tr></tbody></table>				التصوير الإشعاعي الصناعي باستخدام مصادر مشعة مخوّلة على النشاط الإشعاعي					Isotopes	Max. No.	Physical State	Containment	Max. Activity/Source	Ir-192	8	Solid	Sealed	120 Ci	Projector Model	Projector Max. No.	Projector Shielding	Mass DU/Projector	Delta 880	8	D.U.	15.4Kg
التصوير الإشعاعي الصناعي باستخدام مصادر مشعة مخوّلة على النشاط الإشعاعي																										
Isotopes	Max. No.	Physical State	Containment	Max. Activity/Source																						
Ir-192	8	Solid	Sealed	120 Ci																						
Projector Model	Projector Max. No.	Projector Shielding	Mass DU/Projector																							
Delta 880	8	D.U.	15.4Kg																							
نائب الرئيس التنفيذي للأعمال الإشعاعي المعتمد د. أحمد بن معظش العتيqi	مدير إدارة دعم العمليات الرقابية شنة/ لم يضع لبيان ا- فهد بن سعود الزكري																									

### NRCC - Harad

رقم الرخصة : ( ت من - 136-136-1 ) 1-FC202123 صالحية لمدة 3 سنوات تنتهي في : 2024/08/25	 المملكة العربية السعودية هيئة الرقابة النووية والإشعاعية Nuclear and Radiological Regulatory Commission الرقابة على المرافق النووية والمارسسات الإشعاعية																									
<p>التصوير الصناعي الإشعاعي الشركة المميزة لأعمال البترول والغاز - حرض رقم السجل التجاري : 2050045985</p> <table><thead><tr><th colspan="5">هذه الرخصة لغزاولة الممارسة بالمصادر المشعة التالية</th></tr><tr><th>Isotopes</th><th>Max. No.</th><th>Physical State</th><th>Containment</th><th>Max. Activity/Source</th></tr></thead><tbody><tr><td>Ir-192</td><td>12</td><td>Solid</td><td>Sealed</td><td>100 Ci</td></tr></tbody></table> <table><thead><tr><th>Projector Max. No.</th><th>Projector Shielding</th></tr></thead><tbody><tr><td>12</td><td>D.U.</td></tr></tbody></table> <table><thead><tr><th>الطاقة الاستهلاكية ( مصادر )</th><th>الموقع</th><th>م</th></tr></thead><tbody><tr><td>24</td><td>حرض</td><td>1</td></tr></tbody></table>		هذه الرخصة لغزاولة الممارسة بالمصادر المشعة التالية					Isotopes	Max. No.	Physical State	Containment	Max. Activity/Source	Ir-192	12	Solid	Sealed	100 Ci	Projector Max. No.	Projector Shielding	12	D.U.	الطاقة الاستهلاكية ( مصادر )	الموقع	م	24	حرض	1
هذه الرخصة لغزاولة الممارسة بالمصادر المشعة التالية																										
Isotopes	Max. No.	Physical State	Containment	Max. Activity/Source																						
Ir-192	12	Solid	Sealed	100 Ci																						
Projector Max. No.	Projector Shielding																									
12	D.U.																									
الطاقة الاستهلاكية ( مصادر )	الموقع	م																								
24	حرض	1																								
نائب الرئيس التنفيذي للرقابة على المرافق النووية والمارسسات الإشعاعية د. سعيد بن محمد العمودي	مدير إدارة الرقابة والترخيص فهد بن سعود الزكري																									

## 10. Commercial & Legal Certificates

### NRCC - Yanbu

رقم الرخصة : ( ت ص - 57 - 00389MD - 5 )  
صالة لمدة 3 سنوات  
تنتهي في : 2025/09/28

المملكة العربية السعودية  
هيئة الرقابة النووية والإشعاعية  
Nuclear and Radiological Regulatory Commission  
الرقابة على المرافق النووية والمسارسات الإشعاعية

التصوير الإشعاعي الصناعي باستخدام مصادر مشعة مختومة عالية النشاط الإشعاعي

الشركة المميزة لأعمال البترول والغاز - ينبع

رقم السجل التجاري : 4700012808

هذه الرخصة لغاية الممارسة بالمصارف المشعة الثالثة				
Isotopes	Max. No.	Physical State	Containment	Max. Activity/Source
Ir-192	6	Solid	Sealed	120 Ci

Projector Max. No.	Projector Shielding
6	D.U.

الطاقة الاستيعابية / مصدر	الموقع	م
6	ينبع	1

نائب الرئيس التنفيذي  
للرقابة على المرافق النووية والمسارسات الإشعاعية  
د. سعيد بن محمد العمودي

مدير إدارة الرقابة والترخيص  
م. فهد بن سعود النكري

### NRCC - Jubail

رقم الرخصة: 1-00953ER-171  
صدرت بتاريخ: 2023-02-08  
تنتهي بتاريخ: 2026-02-08

هيئة الرقابة النووية والإشعاعية  
Nuclear and Radiological Regulatory Commission

رخصة ممارسة التصوير الإشعاعي الصناعي  
الشركة المميزة لأعمال البترول والغاز - الجبيل

التصوير الإشعاعي الصناعي باستخدام مصادر مشعة مختومة عالية النشاط الإشعاعي				
Isotopes	Max. No.	Physical State	Containment	Max. Activity/Source
Ir-192	32	Solid	Sealed	120 Ci
Se-75	04	Solid	Sealed	80 Ci

Projector Model	Projector Max No.	Projector Shielding	Mass DU/Projector
Delta 880	36	D.U.	15.4Kg

نائب الرئيس التنفيذي للأمان الإشعاعي المألف  
د. أحمد بن مطlesh المزري

مدير إدارة دعم العمليات الرقابية  
فهد بن سعود النكري

## 10. Commercial & Legal Certificates

### 10.3. Vendor Approval

Saudi Arabian Oil Company  
Projects and Strategic  
Purchasing Department  
A-119, North Park 1  
Dhahran 31311  
Saudi Arabia

Tel : (966 3) 874-0337  
Fax: (966 3) 874-0015

February 27, 2010

  
السعوديةölgesellschaft  
Saudi Aramco

SRMU-034-2010

Specialized Oil & Gas Engineering Co. Ltd.  
P.O. Box 6897  
Dammam 31452  
Attn: Engineer Walid Rajab

Fax: 859-0289

Dear Sir:

We are pleased to inform you that your company is now included in the Saudi Aramco Supplier Information System under Vendor Code 10007275, Plant No. 30005501 for the following products provided your company continues to meet relevant Saudi Arabian and Saudi Aramco standards:

9COM	MATERIAL DESCRIPTION
6000001015	Rectifier; Impressed Current; 17-SAMSS-0
6000001036	Box; Test Cathodic Protection Soil Access
6000001041	Anode; Galvanic; Magnesium with Leads; 1
6000001014	Rectifier; Impressed Current; Cathodic Protection
6000000939	Anode; Impressed Current; Center Connect
6000000954	Box; Bonding Station Cathodic Protection
6000000955	Box; Junction Cathodic Protection; 17-SA
6000001011	Power Supply; Electrical; Cathodic Protection

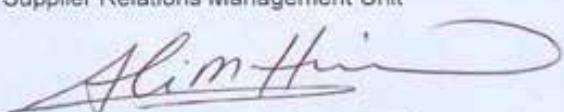
Your quality system is approved with corrective action as indicated in the attached report.

This approval, however, should not be construed as a commitment by Saudi Aramco to purchase from you, but your company will have the opportunity along with other approved sources to respond to requests for submitting proposals in accordance with Saudi Aramco's established policies and procedures.

We would like to thank you for your interest in Saudi Aramco, and take this opportunity to reiterate that it is Saudi Aramco's policy to encourage the use of nationally manufactured materials.

For further information or assistance, please contact Najib Al-Sharakh on 874-0318.

Ali M. Al-Hussain, Supervisor  
Supplier Relations Management Unit



## 10. Commercial & Legal Certificates

### Qualification Approval Letter



### Qualification Approval Letter

11/18/2024

**Attention** SPECIALIZED OIL AND GAS  
**Supplier ID** 10007275  
**Country** Saudi-Arabien

We are pleased to inform you that SPECIALIZED OIL AND GAS is now qualified for the following service in the Saudi Aramco e-Marketplace, and may be invited to participate in related procurements, provided your company continues to meet all relevant Saudi Arabian and Saudi Aramco standards.

**Qualified Service** CATHODIC PROTECTION PROJECTS  
**Validity End** 10/18/2029

Note that qualified service providers may be invited to procurement above or below their approved category value range at Saudi Aramco's sole discretion.

This qualification should not be construed as a commitment by Saudi Aramco to procure any services from you or a guarantee of inclusion in any future procurement action.

Being qualified as a supplier only grants your company the opportunity, along with other qualified suppliers, to respond to requests for submitting proposals in accordance with Saudi Aramco's established policies and procedures.

To be awarded any contract with Saudi Aramco, your company must maintain a local Saudi Arabia business entity with all required commercial registrations and government licenses. All procurement instruments including but not limited to service contracts, purchase agreements, or purchase orders will be issued based on the name and address included in your commercial registration (CR), as stated in your Supplier Registration.

Saudi Aramco wishes to remind you that being recognized as a qualified supplier carries with it serious obligations and responsibilities to act in a legal and ethical manner which you acknowledged in the Saudi Aramco Supplier Code of Conduct (SCOC). Failure to abide by the principles set forth in the SCOC may result in adverse actions being taken by Saudi Aramco against your company including suspension of your company as a supplier. Saudi Aramco also expects each of its suppliers to satisfy all requirements of any procurement instrument which might be placed and to act responsibly and reliably as a supply chain supplier.

Safe operations is a core value of Saudi Aramco and qualified suppliers are expected to share that value. Unacceptable safety performance may result in a supplier's temporary or indefinite suspension from future work with Saudi Aramco.

For further information or assistance please contact the Saudi Aramco Services Qualification Team by forwarding a request to [servicesqualification@aramco.com](mailto:servicesqualification@aramco.com) or via the unified call center +966 (13) 876-5898.

Damon Greg Coon  
**Sourcing Unit**  
**Strategic & Decision Support Division**

#### Important Note:

It is the responsibility of the supplier to update Saudi Aramco Supplier Registration Profile through Ariba for the following:

1. Change of Name / Commercial Registration Number / Address / Owner(s)
2. Any change of the supplier location

**This is an electronically generated letter by Saudi Aramco.**

## 10. Commercial & Legal Certificates

### NWC - Material Approval Certificate

 سلسلة الامداد - المركز الرئيسي رقم المعتملة: 1446/515/53251 تاريخ: 13/11/2024 المرفقات: 2	<b>شركة المياه الوطنية</b> National Water Company																									
<b>شهادة اعتماد المواد</b> <b>Material Approval Certificate</b>																										
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%; text-align: center;"> <b>Type Approval</b>            نوع الاعتماد         </td> <td style="width: 25%; text-align: center;"> <b>New Approval</b>            اعتماد جديد / ✓         </td> <td style="width: 25%; text-align: center;"> <b>Renewal Approval</b>            تجديد اعتماد         </td> <td style="width: 25%; text-align: center;"> <b>Certificate Number</b>            رقم الشهادة         </td> </tr> <tr> <td colspan="2"></td> <td colspan="2" style="text-align: center;">           2024-41133-01         </td> </tr> <tr> <td colspan="2"></td> <td colspan="2" style="text-align: center;"> <b>Valid From</b> </td> </tr> <tr> <td colspan="2"></td> <td colspan="2" style="text-align: center;">           Nov/2024         </td> </tr> <tr> <td colspan="2"></td> <td colspan="2" style="text-align: center;"> <b>Valid To</b> </td> </tr> <tr> <td colspan="2"></td> <td colspan="2" style="text-align: center;">           Nov/2026         </td> </tr> </table>			<b>Type Approval</b> نوع الاعتماد	<b>New Approval</b> اعتماد جديد / ✓	<b>Renewal Approval</b> تجديد اعتماد	<b>Certificate Number</b> رقم الشهادة			2024-41133-01				<b>Valid From</b>				Nov/2024				<b>Valid To</b>				Nov/2026	
<b>Type Approval</b> نوع الاعتماد	<b>New Approval</b> اعتماد جديد / ✓	<b>Renewal Approval</b> تجديد اعتماد	<b>Certificate Number</b> رقم الشهادة																							
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		<b>Valid From</b>																								
		Nov/2024																								
		<b>Valid To</b>																								
		Nov/2026																								
NWC certify that the manufacturer has completed all qualification requirement in the following category تشهد شركة المياه الوطنية أن المصنوع قد أكمل جميع متطلبات التأهيل في الشركة في الفئة التالية																										
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">Category</th> <th style="width: 20%;">Product Series</th> <th style="width: 20%;">Sizes</th> <th style="width: 40%;">Description</th> </tr> </thead> <tbody> <tr> <td>الفنية</td> <td>رقم المنتج التسلسلي</td> <td>المقاسات</td> <td>الوصف</td> </tr> <tr> <td>Electrical Equipment</td> <td>--</td> <td>--</td> <td> <b>Cathodic Protection Systems</b>  <b>Stand Alone Solar Systems</b> </td> </tr> </tbody> </table>			Category	Product Series	Sizes	Description	الفنية	رقم المنتج التسلسلي	المقاسات	الوصف	Electrical Equipment	--	--	<b>Cathodic Protection Systems</b> <b>Stand Alone Solar Systems</b>												
Category	Product Series	Sizes	Description																							
الفنية	رقم المنتج التسلسلي	المقاسات	الوصف																							
Electrical Equipment	--	--	<b>Cathodic Protection Systems</b> <b>Stand Alone Solar Systems</b>																							
<b>Conditions:</b> <ul style="list-style-type: none"> <li>• The aim of this certificate is to qualify the manufacturer to participate in new projects or maintenance projects.</li> <li>• The prequalification process is subjected to assessment and review periodically.</li> <li>• NWC has the right to assess the manufactory during the validation period or during production process.</li> <li>• All equipment requires an approved third-party test before installation at the site to ensure meeting project specification.</li> <li>• NWC does not bear any cost / expense related to Product validation test or Factory Acceptance Test (FAT).</li> <li>• This certificate is owned by NWC. NWC has the right to cancel this certificate if the qualified manufacturer does not comply with qualification terms, project specifications or if there are repeated product failures during the operation.</li> <li>• For validity of the certificate, please visit the list of approved materials or Contact with the Vendor Relationship Department.</li> <li>• In case that one of the administrative or technical certificates has expired, this certificate will be considered invalid.</li> </ul> <p>This certificate supersedes all previous certificates and approved sizes.</p>																										
<b>Supply Chain General Manager</b> Bader Mohammed Alfardan																										
<b>مدير عام سلسلة الامداد</b> بدر بن محمد الفردان																										
٢٠٢٤ نوفمبر ١٢																										
 																										
NWC-Material Approval-Form-04-V1																										
Headquarter: المركز الرئيسي   صندوق بريد: 22633 الرياض 11415   المملكة العربية السعودية - الرياض TEL: +966 11 4409444   هاتف: P.O.Box: 22633 Riyadh 11416   Kingdom of Saudi Arabia - Riyadh Email: info@nwc.com.sa   بريد إلكتروني: King Fahad Road - طريق الملك فهد																										
© 2024 NWCcare   www.nwc.com.sa   8004411110																										

## 10. Commercial & Legal Certificates

### NRCC - Yanbu

Saudi Arabian Oil Company  
Supplier Relationship Management  
B-102 North Park 2  
Dhahran 31311  
Saudi Arabia

Tel: (966 13) 874-0958  
Fax: (966 13) 874-1495



October 11, 2017

SRQU-102-17

**WALID R. RAJAB**, General Manager  
Specialized Oil and Gas Engineering Co. Ltd  
P. O. Box 6897  
DAMMAM 31452  
Fax : 013 814 4849

**Mr. Rajab,**

We are pleased to inform you that your company is now included in the Saudi Aramco Supplier Information System under Vendor Code No. **10058555**, Plant No. **30005501**, for the following products provided your company continues to meet relevant Saudi Arabian and Saudi Aramco standards.

9COM	Description
6000001020	BOX;TEST STATION,CP
6000001015	RECTIFIER;IMRESSED,CURNT,POWER SUPPLY,CP
6000001036	BOX;TEST CATHODIC PROTECTION SOIL ACCESS
6000001041	ANODE;GALVANIC;MAGNESIUM WITH LEADS,CP
6000001014	CP,POWER SUPPLY;RECTIFIER;IMRESSED CURR
6000000939	ANODE;IMRESSED CURRENT;CENTER CONECT,CP
6000000954	BOX; BONDING STATION CATHODIC PROTECTION
6000000955	BOX; JUNCTION, CATHODIC PROTECTION
6000001011	POWER SUPPLY;ELECTRICAL;SOLAR,CP
6000000950	ANODE;IMRESSED CURRENT;MIXED METAL,CP
6000001062	ANODE; MMO GRID, WITH LEAD; CP
6000001043	ANODE; GALVANIC; ZINC, WITH LEAD; CP

This approval, however, should not be construed as a commitment by Saudi Aramco to purchase from you. Being approved as a supplier only grants your company the opportunity, along with other approved sources, to respond to requests for submitting proposals in accordance with Saudi Aramco's established policies and procedures. All purchase agreements and orders will be issued based on the name and address stated in your commercial registration (CR), as stated above.

Saudi Aramco wishes to remind you that being recognized as a potential supplier is a privilege which carries with it serious obligations and responsibilities to act in a legal and ethical manner. We wish to remind you of the Saudi Aramco Supplier Code of Conduct (SCOC) which you acknowledged. Failure to abide by the principles set forth in the SCOC can result in adverse actions being taken by Saudi Aramco against you including suspension of you as a supplier. Saudi Aramco also expects each of its suppliers to

## 10. Commercial & Legal Certificates



الغارابي

FPC-PROC-F-04-02-00  
Rev (0) Mar'12

09-June-2012

---

<b>Vendor ID No</b>	<b>:</b>	<b>102110</b>
<b>Vendor Name</b>	<b>:</b>	<b>Specialized Oil and Gas Engineering Co. Ltd. SOGEC</b>
<b>Telephone No</b>	<b>:</b>	<b>+966 3 857 0034</b>
<b>Fax No</b>	<b>:</b>	<b>+966 3 859 0289</b>
<b>Email ID</b>	<b>:</b>	<b>sogeccp.dammam@ikkgroup.com</b>
<b>Website</b>	<b>:</b>	<b>www.kcg.ccc</b>
<b>Contact Person</b>	<b>:</b>	<b>Mr. Isam Khairy Khabbani</b>

---

Dear Sir,

Please be informed that you have been qualified and registered with FARABI Petrochemicals to conduct business with our organization's policy. Qualification means that you are eligible to receive Request for Quotations (RFQ) and Purchase Orders (POs) for your designated area of business. However we are not giving any guarantee to receive such requests or orders.

Please inform us if you have any changes in your contact details and indicate your vendor identification number when communicating with FARABI for easy reference.

Thanking you and Best Regards,

  
Sulaiman K. Al Homaidan  
Procurement Manager  
P.O. Box 11763, Jubail Industrial City 31961  
Tel: +966 3 356 5091 Fax: +966 3 356 5008  
Email: [proc-secretary@farabipc.com](mailto:proc-secretary@farabipc.com)

**FAXED**  
11 JUN 2012

**FARABI PETROCHEMICAL COMPANY**  
P.O. Box 11763, Jubail Industrial City 31961  
Kingdom of Saudi Arabia  
Tel: +966 3 356 5000  
Fax: +966 3 356 5009  
Paid-up Capital SR 5000 millions  
Chamber of Commerce & Industry No. 500176  
C. R. 205/0006152

[www.farabipc.com](http://www.farabipc.com)

شركة الغارابي للبتروكيماويات  
مكتب التسويق والبيع  
جدة - المملكة العربية السعودية  
العنوان: ٦٣٣٣ جدة الصناعية الأولى  
الهاتف: ٩٦٦٣٣٥٦٥٠٩١  
fax: ٩٦٦٣٣٥٦٤٠٩٦  
البريد الإلكتروني: [proc-secretary@farabipc.com](mailto:proc-secretary@farabipc.com)

## 10. Commercial & Legal Certificates

10 11/02 13:45 FAX 9663765148

CTD/P&T

001/002



الشركة الكويتية لتنمية الخليج  
KUWAIT GULF OIL COMPANY (K.G.C.)

### مذكرة الفحص المشتركة

### AL-KHAFJI JOINT OPERATIONS

أرامكو لعمليات الخليج  
Aramco Gulf Operations



To: M/s Specilized Oil & Gas Engineering Co. Ltd.	From: Div. Admin. Planning, Reg. & JTC Affairs
Sign: 	Ref. No.: CTFX/ 5243 /10
Tel. No.: 03 857 0034	Date: Nov. 02, 2010
Fax No.: 03 859 0289	

#### Subject: Registration & Classification of KJO Work Categories

Dear Sir,

Thank you for your interest in applying to KJO work categories. Please be informed that your esteemed company has been classified and approved as a service provider for KJO in our List of Approved Contractors for the Category (ies) and type of work as attached.

And you can also visit to our KJO website [www.kjo.com.sa](http://www.kjo.com.sa) to know your assigned work categories to your profile thru your login ID & Password.

Please ensure that your company updates its information with Al-Khafji Joint operation website regularly.

Should you require information concerning your file, please contact the Planning & Registration on the following address:

Attention: Superintendent, Planning & Registration Div.  
Contracting Department  
P.O. Box 688  
Al-Khafji Joint Operation (KJO)  
Office Park Bldg.  
Al-Khafji - 31972, Saudi Arabia

If any rush inquiries are required, please feel free to contact to following personnel:

Mr. Amir A/Rahim  
Tel: (00966)-3-765-2000 E. 87196  
Fax: (00966)-3-765-5148  
E-Mail: [ctdtenders@kjo.com.sa](mailto:ctdtenders@kjo.com.sa)

RECEIVED

02 NOV 2010

Your interest in doing work for KJO is appreciated.

With regards

P.O. Box 238 Khafji: 31971	منب 256 31971	P.O. Box 688 Khafji: 31971	منب 688 31971
Tel: +966(03) 765 2000 E. 87196 -Fax: +966(03) 765 5148		الن :+966(03) 765 2000 E. 87196 فا : +966(03) 765 5148	

## 10. Commercial & Legal Certificates

شركة البترول الوطنية الكويتية

أحدى شركات مؤسسة البترول الكويتية  
A Subsidiary of Kuwait Petroleum Corporation



### VENDORS & CONTRACTORS EVALUATION COMMITTEE (V & CEC)

M/S SPECIALIZED OIL & GAS ENGINEERING CO. LTD.,  
SALMAN AL FARISI STREET, AL KHALDIYAH, DAMMAM  
DAMMAM 31452  
SAUDI ARABIA

DATE: 16<sup>TH</sup> DECEMBER 2018  
REF: V/C-C2243-18-2354L  
FILE NO: C.2243

SUBJECT: CONTRACTOR APPROVAL

GENTLEMEN,

REFERENCE TO THE ABOVE SUBJECT, PLEASE NOTE THAT YOUR COMPANY IS APPROVED AS A CONTRACTOR  
EFFECTIVE 05/09/2018 FOR THE FOLLOWING TYPE(S) OF WORK(S) FOR KNPC REFINERIES:

KD 250 Million - 500 Million	KD 100 Million - 250 Million	KD 30 Million - 100 Million	KD 10 Million - 30 Million	KD 1 Million - 10 Million	KD 250,000 - 1 Million	KD 50,000 - 250,000
---------------------------------	---------------------------------	--------------------------------	-------------------------------	------------------------------	---------------------------	------------------------

7 23-A5

THE COMPANY (CONTRACTOR) CODE ALLOCATED TO YOUR COMPANY IS 1007457.

PLEASE ENSURE TO QUOTE THE ABOVE CODE AND FILE NO. ON ALL OF YOUR FUTURE CORRESPONDENCE.



OUSAMA H. SHAMMAS  
CHAIRMAN - V & CEC

NOTE: APPROVAL EXPIRY: 04/09/2023  
THIS APPROVAL LETTER SUPERSEDES THE APPROVAL DATED 9<sup>TH</sup> SEPTEMBER 2018

## 10. Commercial & Legal Certificates



VENDORS & CONTRACTORS EVALUATION COMMITTEE

**M/S. SPECIALIZED OIL & GAS ENGINEERING CO. LTD.**  
AL KHALDIYYAH, P.O BOX : 6897  
DAMMAM 31452  
**SAUDI ARABIA**

DATE: 14<sup>th</sup> July 2019  
REF: MSD-PQ-19-1747  
FILE NO: V 5534

**SUBJECT: VENDOR APPROVAL**

GENTLEMEN.

REFERENCE TO YOUR PQ APPLICATION (RFI# 8580) SUBMITTED TO KNPC ON 16/06/2019, YOUR COMPANY IS APPROVED AS A VENDOR EFFECTIVE 14/07/2019 FOR THE SUPPLY OF THE FOLLOWING PRODUCT(S) FOR K.N.P.C. REFINERIES:

**PRODUCT DESCRIPTION**

38 20 CATHODIC PROTECTION EQUIP. & MATERIAL

THE COMPANY (VENDOR) CODE ALLOCATED TO YOUR COMPANY IS 1007457.

PLEASE ENSURE TO QUOTE THIS CODE AND ABOVE FILE NO. ON ALL YOUR FUTURE CORRESPONDENCE.



VERY TRULY YOURS,

**BANDAR M. AL-QAHTANI  
CHAIRMAN V & CEC**

NOTE: APPROVAL VALIDITY IS UPTO 13<sup>TH</sup> JULY 2024

PLEASE REFER OVERLEAF FOR INSTRUCTIONS

## 10. Commercial & Legal Certificates



TO: M/s. Specialized Oil & Gas Engineering Co. Ltd.,  
Saudi Arabia; Fax:- 00966 13 814 4849

Date : 31<sup>st</sup> August 2020

Msg. No.: PQAN/059/2020

Vendor Code: 14622

Total No. of Pages: 1

**FAXED**

**31 AUG 2020**

SRM TEAM

FROM: Team Leader Supplier Relationship Management,  
Commercial Support Group  
P.O. Box – 9758; 61008 Ahmadi, Kuwait  
Fax No.: (965) 2387 7833

**SUBJECT: NOTIFICATION OF VENDOR APPROVAL**

OUR REF.: VEC-25031902/CP/ICGA/012/2020

Dear Sirs,

We are pleased to inform you that you have been approved for inclusion in KOC's Approved List of Manufacturer for the product category and manufacturing facility mentioned here below:

**PRODUCT CATEGORY : IMPRESSED CURRENT ANODES (MMO and HSCI ANODES Only)**

**FACILITY ADDRESS : M/s. SPECIALIZED OIL & GAS ENGINEERING CO. LTD.,  
SALMAN AL FARESI ST., BUILDING NUMBER 8234,  
KHALIDIYA DISTRICT, DAMMAM 31452,  
KINGDOM OF SAUDI ARABIA.**

**Validity : From 31<sup>st</sup> August 2020 to 30<sup>th</sup> August 2025 (5 years)**

This notification of approval is issued subject to the following, failing which liable for cancellation at any time at the discretion of KOC.

- To update regularly with the latest product catalogue / information.
- To furnish Budgetary Quotations as & when requested.
- To furnish Audited financial details for every two years.
- To update with latest contact details / Change in Local Agent.
- To update with Name Change / Merging / Factory Shifting.
- To submit request for Re-Qualification (if required) 3 months prior the above expiry date.
- To hold all valid mandatory certifications at all times.

Sincerely,  
For Kuwait Oil Company

**Manal Abu-Shaibah**

cc: M/s. Specialized Oil & Gas Engineering Co. Ltd., (Kuwait Office).

Email: Alaa.Alsaleh@lkkgroup.com

File

## 10. Commercial & Legal Certificates



KINGDOM OF SAUDI ARABIA  
Saudi Arabian Mining Company  
Saudi Joint Stock Company  
Paid up Capital SR. (9,250) Millions

المملكة العربية السعودية  
شركة التعدين العربية السعودية (معدن)  
شركة مساهمة سعودية  
رأس المال المدفوع (٩,٢٥٠) مليون ريال

---

Date : 25<sup>th</sup> Feb 2014  
Vendor No : 8508  
Vendor Name : SPECIALIZED OIL & GAS ENGINEERING CO.LTD  
Address : P.O.Box: 8697 Dammam 31452 – Saudi Arabia  
Tel : 013 814 3737  
Fax : 013 814 8489  
Attention : Mr. Muhannad Jamil  
Category (ies) : Services  
Subject : Qualified in Ma'aden Prequalification Criteria

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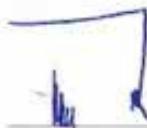
Dear Sir,

This is to inform you that SPECIALIZED OIL & GAS ENGINEERING CO.LTD has successfully satisfied Ma'aden prequalification criteria. Therefore, I am pleased to confirm that your company is registered in Ma'aden SRM list for the above category(ies).

From now onwards, you may receive from Ma'aden and its affiliates request(s) to participate in tenders (RFP/RFQ) for Goods and/or Services and/or Projects in line with your competencies. However, this letter does not constitute a guarantee that you will receive any such requests, as those are dependent on many factors evaluated according to our discretion.

We appreciate again your interest in doing business with Ma'aden and look forward to work with you.

Best Regards,

  
Majid AACHBOUN  
Procurement Performance Manager  
Corporate Procurement & Contracts Dept.  
Ma'aden Headquarters – Riyadh  
Website: [www.maaden.com.sa](http://www.maaden.com.sa)



## 10. Commercial & Legal Certificates

Kingdom of Saudi Arabia

Ministry of Water & Electricity

General Directorate of Water Eastern Province



الله رب العالمين  
وزارة الموارد المائية والكهرباء

المديرية العامة للمياه بالمنطقة الشرقية

الموضوع: اعتماد شركة sogec للمياه الكاثolie

المحترمين

السادة/ مؤسسة الرفيعة للمقاولات

ص.ب ٦١٠٤٤٢٢٣٤٤٢

السلام عليكم ورحمة الله وبركاته

إشارة إلى خطابكم رقم ٢٠١٠/١١/٢٨ م رقم ١٠١-raf-fa-s-cln-02 بتأريخ ٢٠١٠/١١/٢٨  
بخصوص طلبكم اعتماد الشركة المميزة لأعمال البترول والغاز (sogec) لاعمل الحماية  
الكافلية ضمن مشروع شبكات المياه محطة الضخ وخطات صنفى وألم الساهم  
مقاولنكم .

نفيدكم بأنه لا مانع من اعتماد الشركة المذكورة حيث سبق اعتمادها بمشاريع  
مماثله على أن يتم الالتزام بتقديم الملف الفني والمخططات التفصيلية لهذه الاعمال معتمده  
من جهة متخصصة بهذا المجال والتنسيق مع الجهة المشرفة قبل البدء في تنفيذ هذا  
العمل.

ولكم تحياتنا

مدير عام التشريع  
م/ حمد بن عبد الرحمن الوابل

الرقم ٤٣٠١٢٩٩٥٣٤/٨/٢٠١٤/٢٠١٤ التاريخ . المشفوعات، دعوى

ص.ب ٤١٥٠ - الدمام ٣١١٩٨ - هاتف: ٨٧٧٨٨٧٨ - فاكس: ٨٧٧٨٨٥٥



## 10. Commercial & Legal Certificates

دسم الله الرحمن الرحيم



المملكة العربية السعودية  
الهيئة الملكية للجبيل وينبع  
الادارة العامة للهيئة الملكية بینبع

إلى/ الشركة المميزة لأعمال البترول والغاز ذ.م.م (sogec)

عنایه/د. محمد غسان هشام برکة  
ف/ 859-289  
ج/ 0504842906  
بعد التحية ،،

تقديم بأن منشآتكم مسجنة ضمن قائمة الموردين المسجلين لدى الهيئة الملكية للجبيل وينبع / الادارة العامة ببنيم .

ونحيطكم علماً بأن الهيئة الملكية بينبع تطلب من كافة الشركات والمؤسسات المسجلة لديها تحدث مفاتئهم سنوياً.

ولكم تحياتي

مدى اداؤه المذاهب والمشبهات

---

المهندس / نك بن أحمد العبدلي

19

٥٦٠/٤٤٤٨٧١ الرسم  
٥١٤٩/١١٤ التاريخ  
الذيلات

## 10. Commercial & Legal Certificates

Generation Projects Engineering Department  
Tel. 01-494-7040  
Fax. 01-494-7101  
Email: GEPENMG@se.com.sa



Date : 21/07/2012 Ref # 02055001- 12

To : Specialized Oil & Gas Engineering Company (SOGEC)

Attn. : Mr. Walid Rajab.

Fax : +966 3 859 0289  
Phone : +966 3 857 0034 Extn. 3465  
E-mail : [walid.rajab@ikkgroup.com](mailto:walid.rajab@ikkgroup.com)

CC: Policies and Procedures Division Manager ([PCSPLDV@se.com.sa](mailto:PCSPLDV@se.com.sa))

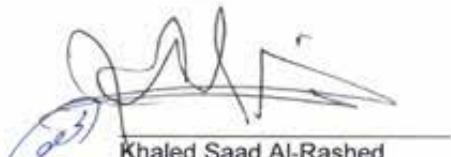
**Subject : (SOGEC) Prequalification Request**

Reference to the above mentioned subject, Saudi Electricity Company is pleased to inform you that, the prequalification request of **Specialized Oil & Gas Engineering Company (SOGEC) / K.S.A**, as a subcontractor is technically accepted to Saudi Electricity Company, Generation Engineering and Projects Sector for the following products:

No.	Description	Limitations
1	Cathodic Protection Systems	None.

Note: The financial and commercial qualification to be completed with Contracting Policies Division/Contracting Policies, Claim and Systems Department (SEC Contract Sector).

Best regards,



Khaled Saad Al-Rashed  
Department Manager  
Generation Projects Engineering

## 10. Commercial & Legal Certificates



الشركة الكويتية لنفط الخليج  
Kuwait Gulf Oil Company



عمليات الخفجي الممتلكة  
AL KHAFJI JOINT OPERATIONS



شركة أرامكو لأعمال الخليج  
Aramco Gulf Operations

PCD/NHCTL/SPM/L-0274/19

March 27, 2019

Saipem S.P.A. Sharjah Branch  
Al Saadah Tower - Block 1,  
Al Mamzar Area, Near Chamber of Commerce,  
Sharjah, UAE  
Tel.: +971(6)5937777

Attention: **Mr. Clouet Dorval Oliver**  
**Project Manager**

Project: **Laying of New Hout Crude Transmission Line Facilities-Balance Work**  
**Contract No. HQ466PC17**

Subject: **NDT Service Provider Vendor – SOGEC**

Reference is made to CONTRACTOR's letter 054848-SNKO-LT-0396 dated 05 March 2019 regarding the above-mentioned subject.

Please be informed that COMPANY has reviewed the proposed documents regarding NDT service provider vendor M/s SOGEC and found acceptable.

CONTRACTOR to proceed according.

Best Regards,

**Saud S. Al Jandal** – Project Manager

Laying of New Hout Crude Transmission Line Facilities-Balance work

AEH/AGH/RL: ms

Attachment(s): nil

Icc: Superintendent – Offshore Division

Response required: Yes (X) No ( )



### Company General Use

Projects Design & Construction Department | Al-Khafji Joint Operations  
Headquarter Building, 1<sup>st</sup> Floor Right Wing | P.O. Box 256 Al-Khafji 31971, Saudi Arabia  
Tel No. 00966-3-7655270 | Fax No. 00966-3-7655278

## 10. Commercial & Legal Certificates

Saudi Basic Industries Corporation  
(SABIC)

SUPPLY MANAGEMENT ORGANIZATION (SMO)  
P.O Box 11115 Jubail Industries City 31961



PO No. 4801061441 | Date : 26/04/2015

Vendor Number	0000502282
Vendor name	SPECIALIZED OIL AND GAS ENGINEERING

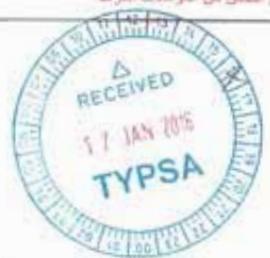
SABIC Ref No.:	Ref. Quotation #:
Delivery Term	DDP Delivered Duty Paid
Terms of payment	45 days after receipt of the invoice and materials

<b>Attention</b>	<b>Bill to Address</b>	<b>SABIC Buyer</b>
ZIAD H. MOHDAD	Attn: Accounts Payable Dept.	TALAL AL-FADDADI
Tel: 0504097415	SABIC JUBAIL HQ Bldg.	+96643965133
Fax: 0138144849	ALFANATEER, P.O.Box 10040	+96643965236
	Jubail Industrial City 31961	ALFADDADI.T@SABIC.COM

Item	Material	Order Qty	Unit	Del. Date	Price per unit	Net value
00010		1.000	AU	26/04/2015		
NDT API Inspectors req. APR-15 PTA T/A						
NDT MANPOWER REQUIRED FOR PTA T/A MAY-2015						
STARTING FROM 03.05.2015 ESTIMATED DURATION 7 DAYS						
FOLLOWING NDT PROFESSIONALS REQUIRED						
API INSPECTORS 4						
NDT TECHS 6						
NOTE: EXACT MOBILIZATION DATE SHALL BE CO-ORDINATED WITH SUPPLIER AS PER SCHEDULE REQUIREMENT						
NDT MANPOWER REQUIRED FOR PTA T/A MAY-2015						
STARTING FROM 03.05.2015 ESTIMATED DURATION 7 DAYS						
FOLLOWING NDT PROFESSIONALS REQUIRED						
API INSPECTORS 4						
NDT TECHS 6						
NOTE: EXACT MOBILIZATION DATE SHALL BE CO-ORDINATED WITH SUPPLIER AS PER SCHEDULE REQUIREMENT						
<b>Delivery Address</b>						
Ibn Rushd						
Arabian Industrial Fibers Co.						
P.O. Box 30701						
21441						
Yanbu						

**Total PO Value**  
**Actual Cost of Order**

## 10. Commercial & Legal Certificates

4M122-T-SUB-DON-000084-E04		
NATIONAL WATER COMPANY		شركة المياه الوطنية
Project Name: Riyadh Strategic Water Reservoir SALB Station		المشروع
Consultant: TYPSON		الاستشاري
Contractor: DNGO Contracting Saudi Co.		المقاول
Subcontractor/ Manufacturer for Approval (SUB)		طلب اعتماد مقاول باطن او مصنع للمواد (SUB)
Reference Number: SALB-SUB-0019		Rev.1
Project Code: SALB	رقم المشروع	Date: 17-Jan-2016
Material to be Manufactured: n/a		Type of Work: Non Destructive Laboratory Test
Subcontractor or Manufacturer Information		
Company or Manufacturer Name اسم الشركة أو المصنع	SOGEC	
Address العنوان	P. O. Box 6897 Dammam 31452 KSA	
Line of Works or Discipline مجال العمل والاختصاص	Third Party / Application (NDT), (Mechanical)	
The following prequalification documents are enclosed with بيان التحقق من المؤهلات الضرورية		
Copy of Valid Commercial Registration نسخة من ترخيص الشركة التجارية	No. of Copies:	
List of Company Staff قائمة次公司员工	No. of Copies:	
List of Company Equipments قائمة معدات الشركة	No. of Copies:	
List of Manpower & Equipments to be Assigned for this Work قائمة次人力和设备分配	No. of Copies:	
List of Present Similar Works قائمة مشاريع مماثلة حالية	No. of Copies:	
List of Previous Similar Works قائمة مشاريع مماثلة سابقة	No. of Copies:	
Quality Management Plan (QA/QC) نظام إدارة الجودة (QA/QC)	No. of Copies:	
		
We certify that the subcontract is being procured in accordance with the subcontracting plan contained in our bid. نشهد بأن مقاول الباطن او المصنع المقدم اعلاه للإعتماد هو حسب التفاصيل المذكورة في عرض المناقصة (إليم)		
Name of Contractor's Project Manager or his Representative اسم مدير مشروع المقاول او من يمثله	 Engr. Mahmoud Abdullah	
Consultant or NWC Representative Comments ملاحظات الاستشاري	 Dr. Pedro IRIARTE	
<ul style="list-style-type: none"> <li>Submitted to the NWC's Vendor list.</li> <li>Big experience as NDT third party in KSA (Dorico, Sabic...)</li> </ul> <p>APPROVED as THIRD PARTY for WELDING INSPECTION</p>		
Action الإجراء		
Approved موافق	Approved with Comments بملاحظات	Comply Comments and Resubmit أخذ الملاحظات بعين الاعتبار و إعادة التفديم
Comments ملاحظات	1- 2- 3- 4-	5- 6- 7- 8- 9-
ACCEPTED BY اعتمد من	NAME الأسم	SIGNATURE & DATE التوقيع و التاريخ
Consultant Resident Engineer or his Representative	Dr. Pedro IRIARTE	28/01/2016
NWC Representative	AlRabiah	01/02/2016

## 10. Commercial & Legal Certificates



### CONFIDENTIAL LETTER

DATE : 13 June 2022  
TO : Mutlaq Al-Ghowari Co for Contracting Limited.  
ATTN : Eng. Mohammed Alnaggar  
Project Manager  
Email : [info@mgc.com.sa](mailto:info@mgc.com.sa)  
CC : SWCC PED, SWCC-SF, Project Engineer

SUB : Khobar – Hofuf Water Transmission System - PHASE 2,  
Conditional Preliminary Approval for "Specialized Oil & Gas Engineering Co. Ltd.  
(SOGEC) -Saudi" for "Non-Destructive Testing & Third Party Inspection Services".

Y. REF. : MGC-SWCC-L-0015 DATED: 2.6.2022

With reference to the above mentioned subject, Kindly be informed that **SWCC** hereby grants Conditional Preliminary Approval to your proposed subcontractor \* Specialized Oil & Gas Engineering Co. Ltd. (SOGEC) -Saudi\* for \*Non-Destructive Testing & Third Party Inspection Services\*.

This Approval is on condition to submit a letter by SOGEC-Saudi confirming compliance of SWCC specifications for this project.

NOTE: *The Main Contractor will be responsible for the Financial, Technical and the Quality of these services.*

Regards,

Engr. ANAS B. Al Bedaiwi,

*Suppliers Qualification Manager.*

*SWCC, Riyadh, Saudi Arabi*

*\*P.O. should be issued after SWCC grants Final Approval\**

18-F02-761 رقم 13/06/2022 التاريخ المفعولات

## 10. Commercial & Legal Certificates

المؤسسة العامة لتحويل المياه المالحة  
Saline Water Conversion Corporation  
[www.swcc.gov.sa](http://www.swcc.gov.sa)



الهيئة العامة للبيئة السعودية  
الرياض - العنوان - طريق الملك عبد الله بن عبد العزيز - 11000  
الرقم 130-105 - العنوان - 011-46308111  
KSA - Olaya - King Fahad Road  
P.O. Box 010889 Riyadh 11515 Kingdom of Saudi Arabia  
Tel: 011-4631111 - Fax 011-4630812

### CONFIDENTIAL LETTER

DATE : 02 March 2020

TO : Saudi Services for Electro- Mech Works Co Ltd (SSEM).

ATTN : Engr. Saad Al-Shehri,  
Project Manager

Email : [ssem@ssem.com.sa](mailto:ssem@ssem.com.sa)

CC : SWCC PED.

CC : SWCC-SF

CC : PROJECT ENGINEER.

SUB : Energy Industrial City Feeder Line Water Transmission System,  
Preliminary Approval for "Specialized Oil & Gas Engineering Co. Ltd  
(SOGEC) -KSA" For "Non Destructive Testing NDT "

Y. REF. : SSEMR-SR- L-0168

DATED: 18.02.2020

With reference to the above mentioned subject, please be informed that SWCC hereby grants Preliminary Approval to your proposed subcontractor "Specialized Oil & Gas Engineering Co. Ltd. (SOGEC) -KSA" for 'Non Destructive Testing NDT'.

**NOTE: The Main Contractor will be responsible for the Financial, Technical and the Quality of this services.**

Regards

Engr. Ali Omar Al Shuqair,  
Manager Prequalification Dept.  
SWCC, Riyadh, Saudi Arabia

03/03/2020 18 - FEB - 2018

## 10. Commercial & Legal Certificates

Jazan Port & City Infrastructural Projects Department  
SA Terminal Projects Division  
SAPMT Site Office  
Jazan Economic City, Balan Highway  
Kingdom of Saudi Arabia  
October 5, 2015

الجوف والمنطقة  
Saudi Aramco

JP&CIPD-JT-IK-L-00191  
Ref: HKAD-L1699.

Subcontractor Award Recommendation for NDT Work  
Contract No. 6600028505 (IK)

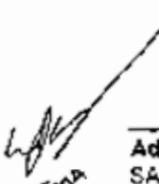
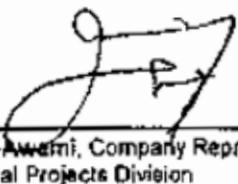
**Sun Tae Kim**  
Contractor Representative  
Hanwha Engineering & Construction Corp.

In reference to your letter No. HKAD-L1699, regarding subcontracting of Piping Spool Fabrication.

COMPANY has no objection for Subcontractor, Specialized Oil & Gas Engineering Co. Ltd. (SOGEC), to execute NDT work between construction site and external piping spool fabrication shop.

Should you required further information, please contact Turki Alaqil on 0505437105 or by email [TURKI.ALAOIL@ARAMCO.COM](mailto:TURKI.ALAOIL@ARAMCO.COM).



   
Adnan Al-Awami, Company Representative  
SA Terminal Projects Division  
Jazan Port & City Infrastructural Projects

Attachment(s): N

cc:

Saudi Aramco Company General Use



## 10. Commercial & Legal Certificates



### CONFIDENTIAL LETTER

DATE : 13 June 2022  
TO : Mutlaq Al-Ghawri Co for Contracting Limited.  
ATTN : Eng. Mohammed Alnagar  
Project Manager  
Email : [info@mgc.com.sa](mailto:info@mgc.com.sa)  
CC : SWCC PED, SWCC-SF, Project Engineer

SUB : Khobar – Hofuf Water Transmission System - PHASE 2,  
Conditional Preliminary Approval for "Specialized Oil & Gas Engineering Co. Ltd.  
(SOGEC) -Saudi" for "Non-Destructive Testing & Third Party Inspection Services"

Y. REF. : MGC-SWCC-L-0015 DATED: 2.6.2022

With reference to the above mentioned subject, Kindly be informed that **SWCC** hereby grants Conditional Preliminary Approval to your proposed subcontractor \* Specialized Oil & Gas Engineering Co. Ltd. (SOGEC) -Saudi\* for **"Non-Destructive Testing & Third Party Inspection Services"**.

This Approval is on condition to submit a letter by SOGEC-Saudi confirming compliance of SWCC specifications for this project.

NOTE: *The Main Contractor will be responsible for the Financial, Technical and the Quality of these services.*

2)

Regards,

Engr. ANAS B. Al Bedaiwi,

*Suppliers Qualification Manager.*

*SWCC, Riyadh, Saudi Arabi*

*\*P.O. should be issued after SWCC grants Final Approval\**

18-F02-761 : رقم ..... 13/06/2022 : التاريخ ..... الملاحظ

Kingdom of Saudi Arabia - Olaya - King Fahd Road - P.O.Box 5968 Riyadh 11432 - Tel: 0114631111 - Fax: 0114641630  
[www.swcc.gov.sa](http://www.swcc.gov.sa)

## 10. Commercial & Legal Certificates



الشركة السعودية للكهرباء  
Saudi Electricity Company  
مملوكة للحكومة

Generation Technical Support Department  
Quality & Performance Division

Qualification Letter			
Date	Ref No.	Validity	
7 August 2011	PQA-070811-Sogec	5 years	
<b>To</b>		Mudasir Malik Specialized Oil & Gas Engineering Company (Sogec) P.O. Box 6897, Dammam 31452 Phone : 03 857-0034 Fax : 03 859 0289 E Mail : mudasir.malik@ikkgroup.com	
<b>Subject</b>		Pre-Qualification for On-Site NDT Services at SEC Power Plants	

Dear Mr. Malik,

We are pleased to inform you that after completing the evaluation process of your pre-qualification package, you are qualified with Saudi Electricity Company for providing the following services:

- On-Site NDT Services at Power Plants: MT, PT, UT, RT, IRIS, ToFD, Tank Inspection
- Heat Treatment Services

-----Nothing follows-----

Please note that by virtue of this letter you are qualified for the above-mentioned service(s) at all Operating Areas of Saudi Electricity Company. Also, please ensure you are registered with SEC Contracting Department.

Congratulations!

We look forward to working with you in the future.

Truly Yours,

Talal S. Al-Shammari, Manager  
Generation Technical Support Department  
Saudi Electricity Company - EOA

## 10. Commercial & Legal Certificates

## Public Liability Insurance

Product Code: A-WTAN-1-C-16-024



## **PUBLIC LIABILITY RENEWAL SCHEDULE**

**Policy No** : P-01-2022-6-603-023697/R2

**Branch** : Jeddah

**Insured Code : 01-1566299**

We, Wataniya Insurance Company hereby agree, in consideration of the payment to us by or on behalf of the Assured of the agreed premium to insure against loss, damage, liability or expense in the proportions and manner hereinafter provided .

<b>Renewal Due</b>	: 27/06/2025	<b>Old Policy No.</b>	: P-01-2022-6-603-023697/R1
<b>Inception Date</b>	: 27/06/2024	<b>Expiry Date</b>	: 26/06/2025
<b>Insured</b>	: Specialized Oil & Gas Engineering Co. Ltd. -- SOGEC and its affiliates (and Their respective directors, officers, shareholders, agents and employees) up to their respective rights and interests.		
<b>Insured Address</b>	: 2833,Manarat Al Faizan,ath Thaalibah,Jeddah,22322,7025		
<b>Beneficiary</b>	: Specialized Oil & Gas Engineering Co. Ltd. -- SOGEC 100%		
<b>Business Activity</b>	: Engenireing Services		
<b>Estimated Annual Turnover</b>	: SAR 0		
<b>Limit of Indemnity</b>	: Public Liability : SAR 10,000,000.00 as per attached schedule. Product Liability : SAR 100,000.00 as per attached schedule.		
<b>Total Premium</b>	: SAR 8,653.75		
<b>Exchange Rate</b>	: 1		

**INSURED (S) : AS PER LIST ATTACHED**

<b>Cover Description</b>	: To Indemnify the Insured against liability at law for all sums which the insured shall become legally liable to pay in respect of accidents occurring within the insured premises mentioned below resulting in death or bodily injury to or disease sustained by any person or loss of or damage to property, i) in connection with the business of the Insured or ii) through defects in the premises.
<b>Sum Insured Notes</b>	: Limit of Liability: SR 10,000,000 Any One Occurrence and in Aggregate
<b>Interest Description</b>	: Specialized Oil & Gas Engineering Co. Ltd. (SOGEC)
<b>Conditions</b>	<ol style="list-style-type: none"> <li>1. Law and Jurisdiction: Kingdom of Saudi Arabia.</li> <li>2. Territorial Limit: Kingdom of Saudi Arabia.</li> <li>3. Legal Defense Costs within the limit of indemnity and not in addition to it.</li> <li>4. Waiver of subrogation in respect of named insured only</li> <li>5. 30 days' notice of cancellation</li> <li>6. VAT Clause</li> </ol> <p>All other conditions as per the policy wording.</p>
<b>Extensions</b>	<ol style="list-style-type: none"> <li>1. Product Liability Limit SAR.100,000/- as per the endorsement attached</li> <li>2. Food and Drinks Extension for the food being prepared at the premises Limit SR.100,000/- any one occurrence and SR.350,000/- In the Policy Aggregate.</li> <li>3. Liability arising from Loss of Documents</li> <li>4. Contractual Liability Extension</li> <li>5. MRE 002 Cover for Cross Liability</li> <li>6. Insured's liability towards landlord – limit SR 500,000/-</li> <li>7. Insured's liability towards neighbours – limit SR 500,000/-</li> </ol>

Page 1 of 3

920003655  
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F +966 (0) 11 476 2290	ف. ت +966 (0) 11 477 8613	ص.ب. P.O. Box. 86	الرياض 11411
F +966 (0) 12 667 4530	ف. ت +966 (0) 12 660 6200	ص.ب. P.O. Box. 5832	جدة 21432
F +966 (0) 13 882 6992	ف. ت +966 (0) 13 882 5357	ص.ب. P.O. Box. 31952	الخبر 31952

رأس المال المدفوع  
٤٠٠,٠٠٠,٠٠٠ روبيات  
Paid up Capital SR 400,000,000

المملكة العربية السعودية K.S.A | الرقم الضريبي: 4030200981 | VAT No. 300189677400003 | س.ن. 8001188855 | info@wataniya.com.sa | Tel Free 8001188855



## 11. Personnel Documents



## 11. Personnel Documents

### 11.1. CP Team Resumes

#### Khaled Sami Youssef - Resume

##### **Khaled Sami youssef**

CP Specialist

Salman Al Farisi St, Al Khalidiyah, Dammam  
Direct: +966 (013) 892 3713  
[khaled.youssef@ikkgroup.com](mailto:khaled.youssef@ikkgroup.com)



Cathodic Protection specialist with more than 13 years of experience and knowledge in external corrosion control by cathodic protection systems with emphasis on pipelines, tanks, well casings, offshore and concrete structures. Has been involved in significant projects which included cost estimation, survey, design, installation, and commissioning of CP systems. Has performed cathodic protection systems assessment directed to structured integrity programs, risk analysis and pipeline Direct Assessment.



#### Work History

2020 Aug – to Present	<b>Field Services manager</b> Specialized Oil & Gas Engineering Company (Sogec), Dammam, Saudi Arabia
2014– to Aug 2020	<b>Operations Manager</b> Specialized Oil & Gas Engineering Company (Sogec), Dammam, Saudi Arabia
2011 - 2014	<b>Engineering Manager</b> Specialized Oil & Gas Engineering Company (Sogec), Dammam, Saudi Arabia
2009 - 2011	<b>Engineering Supervisor</b> Specialized Oil & Gas Engineering Company (Sogec), Dammam, Saudi Arabia
2007 - 2008	<b>Cathodic Protection Engineer</b> Specialized Oil & Gas Engineering Company (Sogec), Dammam, Saudi Arabia



#### Education

**B.Sc., Computer & Communication Engineering**  
American university for Science & Technology (AUST) - Lebanon



#### Industry Credentials

**National Association of Corrosion Engineers (NACE)**

NACE CP Specialist, 24242 (Dubai, 2017)  
NACE CP Technician, 24242 (Dammam, 2008)

## 11. Personnel Documents

### Khaled Sami Youssef - Resume



#### Publications

Khaled youssef, CASE STUDY-Impact of bare shorted casing on a well coated pipeline in a shore area, NACE, CORROSION 2021, Doc Number C2021-16335, USA , Salt lake City (yet to be presented).

Khaled youssef, CASE STUDY-Impact of bare shorted casing on a well coated pipeline in a shore area, NACE, MECC 2020, Doc Number MECC2020-15995, BAHRAIN, (yet to be presented).

Khaled youssef, AC Corrosion rate on various grounding materials used for AC interference mitigation systems -An indoor empirical study NACE, MECC 2020, Doc Number MECC2020-15994, BAHRAIN, (yet to be presented).

Khaled youssef, AC Corrosion In Presence & Absence of CP An Empirical Study, NACE, 17th Middle East Corrosion Conference 2018, Doc Number MECCOCT18-12545.

Khaled youssef, Performance of Tank External Bottom Cathodic Protection Utilizing Zinc Ribbon Anodes – An Empirical Indoor Study, NACE, Middle East Corrosion Conference 2013, Doc Number MECCFEB14-5005.



#### Key Projects

Key projects are listed below, level of involvement varies from survey, design, supervision of installation, into full project management:

Pipelines:

1. **Saudi Aramco:** Cathodic Protection Survey & Design for project 2000 KM, FREE FLOW PIPELINES AT HARADH & HAWIYA".
2. **Saudi Aramco:** Cathodic Protection & AC Mitigation Study for Shedgum Uthmaniyyah Pipeline around 1200 Km Project (BI-10-01989 & BI-10-02067)
3. **Saudi Aramco:** Cathodic Protection Survey & Design for Hawiyah Unayzah Gas Reservoir storage project.
4. **Saudi Aramco:** Cathodic Protection Survey & Design for ZULUF AH CRUDE OIL INCREMENT 600MBCD – DOWNSTREAM PIPELINES
5. **Saudi Aramco:** Survey & Design impressed current system and galvanic CP system for 20" Dia 40 Km length water pipeline in HAWTAH area.
6. **Saudi Aramco:** Survey & Design impressed current system and galvanic CP system for 12" Dia 10 Km length from FCC to RIS-A in HAWTAH area.
7. **Saudi Aramco:** Survey & Design impressed current system and galvanic CP system for CP system at EWG- 1 pipeline in (East West corridor).
8. **Saudi Aramco:** Design proposal impressed current system and galvanic CP system for new pipeline 28" Dia 107 Km length from KP943 of AY-11 (East West pipeline corridor to Riyadh refinery).
9. **Saudi Aramco:** Survey & Design impressed current system and galvanic CP system for 20" Dia 40 Km length water pipeline in HAWTAH area.
10. **Saudi Aramco:** Survey & Design impressed current system and galvanic CP system for RTJ-1 & RTJ-2 pipelines route from Juaymah plant to Ras Tanoura.
11. **Saudi Aramco:** Survey & Design impressed current system and galvanic CP system for RTDB-2 pipeline 30" Dia 96 Km length from Dhahran to Khursaniyah plant.
12. **Saudi Aramco:** Survey & Design impressed current system and galvanic CP system for DR-2 pipeline, 30" Dia 400 Km length pipeline from Dhahran to Riyadh.

## 11. Personnel Documents

### Khaled Sami Youssef - Resume

13. **Saudi Aramco:** Survey & Design impressed current system and galvanic CP system for Gas pipeline KBG-2, 40" Dia 47 Km length from Khursaniyah gas plant to Berri junction.
14. **Saudi Aramco:** Survey & Design impressed current system and galvanic CP system for Manifa Upstream pipelines.
15. **Saudi Aramco:** Survey & Design impressed current system and galvanic CP system for 56" Dia and 19.8 Km length for UWIPS-4/5 transfer line replacement.
16. **Saudi Aramco:** Survey & Design impressed current system and galvanic CP system for 16" Dia 18.5 Km length RTJPPR-1 gas pipeline from Ras Tanoura to Juaymah Gas Plant.
17. **Saudi Aramco:** Survey & Design impressed current system and galvanic CP system for 20" Dia KRT, KJ crude oil and sales gas pipelines with 1.5 Km at Jubail.
18. **Saudi Aramco:** Design proposal for HASBAH & ARABIYAH with Dia 36" and length 33 Km and MEG Dia 36" and length 33 KM.
19. **SWCC:** Survey & Design impressed current system and galvanic CP system for RABIG-JEDAH/MEKA water transmission system(450 Km).
20. **SWCC:** Survey & Design impressed current system and galvanic CP system for Taif-Turba -Raynah water transmission system(120 Km).
21. **SWCC:** Survey & Design impressed current system and galvanic CP system for Taif-Turba -Raynah water transmission system(120 Km).
22. **SWCC:** Survey & Design impressed current system and galvanic CP system for NEWOM water transmission system(120 Km).
23. **SWCC:** Survey & Design impressed current system and galvanic CP system for YANBU -AI MADINA water transmission system(234 Km).
24. **SWCC:** Survey & Design impressed current system and galvanic CP system for Ras al Khair -Hafr AL Batin water transmission system.
25. **SWCC:** Survey & Design impressed current system and galvanic CP system for Ras al Khair - AL Riyad water transmission system.
26. **SWCC:** Survey & Design impressed current system and galvanic CP system for AL Jubail -Al Riyad water transmission system.
27. **SWCC:** Survey & Design impressed current system and galvanic CP system for Shoiba-Mina water transmission system.
28. **SWCC:** Survey & Design impressed current system and galvanic CP system for 5 pipelines with total length 350 Km and average Dia 60" water transmission system in Jeddah.
29. **SWCC:** Survey & Design impressed current system and galvanic CP system for 70" Dia and total length 180 KM KRT, KJ crude oil and sales gas pipelines with 1.5 Km at Jubail.
30. **SWCC:** Survey & Design impressed current system and galvanic CP system for 70" Dia 120 Km length EPWTS in eastern area for.
31. **SABIC-Petrokemya:** survey & design ICCP system for twin PCP pipeline inside PetroKemya.
32. **SABIC-Petrokemya:** survey & design ICCP system for twin PCP pipeline inside PetroKemya.
33. **SABIC-Petrokemya:** survey & design ICCP system for BOG pipeline from Petrokemya to United.

#### Tanks:

1. **KJO :** Design impressed current system for tanks internal using TA-2 anodes at KJO
2. **Saudi Aramco :** design for 20 tanks external CP system for YANBU refinery
3. **Saudi Aramco :** design for 20 tanks external CP system for Hawiya
4. **Saudi Aramco :** design for 4 tanks external & internal CP system for Fadlhi
5. **SABIC-Sadaf:** Cathodic protection system design for tanks external for SADAF CLC project (11 tanks).
6. **SABIC-SHARQ:** Cathodic protection system design for tanks external (2 tanks).
7. **SABIC-Petrokemya:** Cathodic protection system design for tanks external (2 tanks).
8. **SWCC:** Design impressed current system for more than 25 tanks internal with different diameters using MMO tubular anodes suspended from roof.
9. **SWCC:** Design impressed current system for tanks external & internal CP system for 25 tanks for RABIG-JEDAH/MEKA water transmission system.
10. **SWCC:** Design impressed current system for tank internal using string magnesium anodes suspended from roof.
11. **Saudi Aramco:** Design galvanic Cp system for crude tank bottom only by using magnesium anode.
12. Design impressed current system for tank external using MMO ribbon anodes underneath the tank.
13. **SWCC:** Design impressed current system for existing tank external using TA-4 anodes distributed.

## 11. Personnel Documents

### Khaled Sami Youssef - Resume

14. SWCC: Design Galvanic CP system for tank external bottom using ZINC ribbon anodes.

#### Vessels:

1. Saudi Aramco: Design Galvanic Cp system for vessel internal by using High Temperature Zinc anodes.

#### Wells:

1. Saudi Aramco: survey & design for 200 wells casing in Nortern & southern area (single, mult & shared CP systems)
2. Saudi Aramco: Design impressed current system for around 100 separated oil and water well in haradh, uthmaniya, shedgum and all oil fields.
3. Saudi Aramco: Supervising simulation of Impressed Current CP Systems for Oil Wells, Flow Lines & Trunk Lines
4. Saudi Aramco: Design impressed current system for multi well system for all khurais wells which was consolidated CP system for wells, flow lines and trunk lines.
5. Saudi Aramco: Doing construction support and advanced test for all CP system in khurais.

#### Concrete:

1. RC-Marafiq: NEW CONCRETE STRUCTURE) PUMP STATION (072-C31R).
2. RC-Marafiq: NEW CONCRETE STRUCTURE) & HEADWORKS & CANAL (072-C31R).
3. RC-Marafiq: NEW CONCRETE STRUCTURE) SUBSTATION No. Contract No: PIC-A-1095A
4. RC-Marafiq: CONSTRUCTION & SITE DEVELOPMENT FOR WATER FRONT PHASE III AT YANBU INDUSTRIAL CITY CONTRACT NO: PIC A-1031
5. RC-Marafiq: NEW CONCRETE STRUCTURE) PUMP STATION (065-C48)
6. RC-Marafiq: (Cathodic Protection System for sea water Pump Station) Contract No: 201-C01
7. RC-Marafiq: Cathodic Protection System for WATERFRONT Bridge No. 1 for Royal Commission at Yanbu
8. Saudi Electricity Company: Cathodic Protection System Conditional assessment Survey in Quayaya sea water Intake.
9. Saudi Aramco : Cathodic Protection System Sea Water Intake For Rabig ii petrochemical project
10. SABIC/SABTANK: CATHODIC PROTECTION SURVEY AND CONDITIONAL ASSESSMENT REPORT FOR BERTH-37 CONCRETE STRUCTURE AT KING FAHAD INDUSTRIAL PORT.
11. SABIC/ IBN ZAHR :CP system assessment for concrete structure in (Ibn Zahr)  
U & O Make Up Basin  
U & O Cooling Tower  
U & O Pump Basin  
U & O Blow Down Basin  
P-III Concrete Foundations  
Utility-I Seawater Structure Steel Rebar  
OCT Concrete Foundations
12. SABIC/IBN SINA: CP system assessment for concrete structure in ( IBN SINA)  
Unit 110 Seawater concrete structure
13. SABIC-SADAFA: concrete CP system design and installation for heat exchanger foundation in SADAFA.

#### Offshore:

1. KJO: Design new SACP system for gathering station in KJO which comprises five platforms.
2. Saudi Aramco: Cathodic Protection System design for BERRI Development Offshore Platforms and Flow lines (LTA-34) & MRJN WI TP-1 Jacket and Deck (LTA-35) for Aramco.
3. Saudi Aramco: Cathodic Protection System design for EPCI- SNFY phase 8.
4. Saudi Aramco: Cathodic Protection System design for HSBH PDM and Associated Facilities & Kam well hook up & system integration for Aramco.

## 11. Personnel Documents

### Ahmed M Rajab - Resume

#### Ahmad M Rajab

Engineering Manager – CP Specialist

King Khaled street, Al Baghdadiya, Jeddah  
Direct: +966 (012) 627 8395  
[Ahamad\\_Rajab@ikkgroup.com](mailto:Ahamad_Rajab@ikkgroup.com)



Cathodic Protection specialist with more than 12 years of experience and knowledge in external corrosion control by cathodic protection systems with emphasis on pipelines, tanks, well casings and Offshore Has been involved in significant projects which included cost estimation, survey, design, installation, and commissioning of CP systems. Has performed cathodic protection systems assessment, internal corrosion assessment, coating and corrosion investigation.



#### Work History

2016 - Current	<b>Engineering Manager</b> Specialized Oil & Gas Engineering Company (Sogec), Dammam, Saudi Arabia
2014 - 2016	<b>Sr. Corrosion Engineer</b> Khafji Joint Operation (Aramco Overseas), Khafji, Saudi Arabia
2012 - 2014	<b>Acting Execution Manger</b> Specialized Oil & Gas Engineering Company (Sogec), Dammam, Saudi Arabia
2008 - 2012	<b>Cathodic Protection Engineer</b> Specialized Oil & Gas Engineering Company (Sogec), Dammam, Saudi Arabia



#### Education

**B.E., Electronics & Communication Engineering**  
Beirut Arab University (BAU) - Lebanon



#### Industry Credentials

##### National Association of Corrosion Engineers (NACE)

NACE CP Specialist, 24968 (Cairo, 2016)  
NACE CP Technologist, 24968 (Dubai, 2011)  
NACE CP Technician, 24968 (Dammam, 2009)



#### Publications

A.Rajab, Cathodic Protection Design & Commissioning for Sheet Piles Using SACP Aluminum Anode, NACE, CORROSION 2021, paper number C2021-16336, Houston, TX

A Rajab, KSY, RP Tank External Bottom Cathodic Protection Utilizing Zinc Ribbon Anodes –An Empirical Indoor Study, NACE, 15th ME Corrosion Conference 2014, Bahrain

## 11. Personnel Documents

Ahmad M Rajab Resume



### Key Projects

Key projects are listed below, level of involvement varies from survey, design, supervision of installation, into full project management:

- 2020 Aramco: AC Mitigation Study for Qatif Water Injection Falink-4
- 2020 SEC: Cathodic protection Design for water condenser Using ICCP system,
- 2020 Aramco: Cathodic Protection Survey & Design for Relocation of Khursaniyah Ras Tanura Pipelines - Jubail Area
- 2020 Aramco: Cathodic protection for 38 water wells in Berri Increment Project
- 2020 Aramco: Cathodic protection for 100 water wells in Zuluf AH Development
- 2019 SWCC: Cathodic Protection System For Yanbu - Madina Water Transmission System
- 2019 SWCC: CP application For NEOM Transmission System
- 2019 YASREF: Cathodic Protection Materials and Installation for Piles below YMT Jetty, Boat Pier Piles and Fire Water Intake Sheet Pile Structure
- 2018 Aramco: Cathodic protection design for tanks External & Internal At Tanajib Pier Facility
- 2018 Aramco: Cathodic protection design for 2.4 Km sheet piles At Tanajib Pier Facility
- 2018 SWCC: CP application on Water transmission line from Taif to Turbah including pipelines, station piping and tanks
- 2018 SWCC: CP application on Water transmission line from Mekkah to Taif including pipelines, station piping and tanks
- 2018 SWCC: CP application on Water transmission line from Rabigh to Jeddah including pipelines, station piping and tanks
- 2018 Aramco: Cathodic Protection System for Boat Fenders for Jazan Economic City Port And Infrastructure (JECPI)
- 2017 SEC: a 3 years contract for monitoring and CP assessment for 3 power plants in eastern Region ( Ghazlan and Qurayah)
- 2017 SABIC/SHARQ: CP application for new Tank Externals.
- 2017 Aramco: Cathodic Protection System Design For Existing Structure In YNGL Plant Yanbu.
- 2017 Aramco: Cathodic Protection System For New Firewater Pump Station In Al-Mua'jiz Terminal ICCP System For Land Side
- 2016 GACA: CP application for Tanks, Plant piping and vessels at King Abdulaziz International Airport

## 11. Personnel Documents

### Ahmad M Rajab Resume

2016 Aramco: design of CP system for Platforms and valve skids for Safaniya Offshore Projects Division

2016 SABIC/Yansab: CP application for existing plant piping and tanks

2016 Aramco: CP designs for more than 100 wells at othmaniayah and shudgum Area.

2016 SEC: CP application for loading platform at Rabigh

2016 NWC: CP application for 18 water tanks in Jeddah & Makkah region

2015 CP survey and replacement for more than 120 platforms in the KJO & Dorra fields

2015 Introducing cathodic protection training program for the downstream and upstream personals.

2014 Implementing Aramco engineering standards for CUI, RBI and internal corrosion.

2014 Investigation for downhole corrosion related to offshore Oil wells with collaboration of Aramco CSD.

2014 KJO: Tender preparation for cathodic protection upgrade for the KJO plant.

2013 SABIC/Gas: CP application on existing seawater intake and return structures, including reinforcement bars, stop logs, travelling screens, bar screens, and sluice gates, Tanks and plant piping

2013 Royal Commission: CP concrete installation for pump stations in Jubail Area.

2013 SABIC-SABTANK: CP application on existing Piles and concrete structures

2012 SEC: CP Renovation for Ghazlan power plants phase 1-4 and 5-8

2012 Aramco: CP survey and design for more than 50 oil wells in khurais Area,

2011 SABIC: CP system replacement for ICCP anodes in side SADAF Plant

2011 KJO: CP installation for SACP system for 5 platforms in the Arabian Gulf

2011 KJO: Evaluation of existing CP systems of 156 well jackets and platforms in Khafji, Dorra & Hout offshore fields in the Arabian Gulf and generating recommendations report to upgrade all sacrificial & ICCP systems

2010 SWCC: CP application on Ras Al Khair – Hafar Al Batin Water Transmission System (Tanks, Pipelines (362KM) & Station Piping).

2010 SWCC: CP application on Ras Al Khair – Riyadh Water Transmission System (Tanks, Pipelines (400km) & Station Piping).

2010 SWCC: CP application on Al Taif – Al Baha Water Transmission System (Tanks, Pipelines (198KM) & Station Piping).

2010 Royal Commission: CP application for reinforced concrete structures at the Water Front Phase-III project in Yanbu Industrial Port

2008 SWCC: CP application on Eastern Province Water Transmission System Phase II (Tanks, Pipelines (112KM) & Station Piping).

## 11. Personnel Documents

### Abdallah M Hammoud - Resume

#### Abdallah M Hammoud

Operations Manager – CP Specialist

Salman Al Farisi St, Al Khalidiyah, Dammam  
Direct: +966 (013) 892 3751  
[abdullah.hammoud@ikkgroup.com](mailto:abdullah.hammoud@ikkgroup.com)



Cathodic Protection specialist with more than 12 years of experience and knowledge in external corrosion control by cathodic protection systems with emphasis on pipelines, tanks, well casings, offshore and concrete structures. Has been involved in significant projects which included cost estimation, survey, design, installation, and commissioning of CP systems. Has performed cathodic protection systems assessment directed to structured integrity programs, risk analysis and pipeline Direct Assessment.



#### Work History

2020 - Current	<b>Operations Manager</b> Specialized Oil & Gas Engineering Company (Sogec), Dammam, Saudi Arabia
2013 - 2020	<b>Engineering Manager</b> Corppower International (a Corppro Company), Al Khobar, Saudi Arabia
2008 - 2013	<b>Cathodic Protection Engineer</b> Specialized Oil & Gas Engineering Company (Sogec), Dammam, Saudi Arabia



#### Education

**B.Sc., Electronics & Communication Engineering**  
Lebanese International University (LIU) - Lebanon



#### Industry Credentials

##### National Association of Corrosion Engineers (NACE)

NACE CP Specialist, 27933 (Houston TX, 2014)  
NACE CP Technologist, 27933 (Dubai, 2011)  
NACE CP Technician, 27933 (Dammam, 2009)



#### Publications

A.M. Hammoud, DvO, NMD, *Application of Direct Assessment methods in Arid & Sabkha Environment*, NACE, CORROSION 2020, paper number C2020-14651, Houston, TX

A.M. Hammoud, *Railway DC Stray Current Interference with Underground Metallic Pipelines*, NACE, 17th ME Corrosion Conference 2018, paper number 12443, Bahrain

A.M. Hammoud, *Cathodic Protection Design for Multiple Well Casings*, Aegion, Corrosion Engineering Review journal, 2016 Edition

## 11. Personnel Documents

### Abdallah M Hammoud - Resume

A.M. Hammoud, Corppower Team Helps Rehabilitate Seawater Intake Structure, Aegion, Corrosion Engineering Review journal, 2015 Edition



#### Key Projects

Key projects are listed below, level of involvement varies from survey, design, supervision of installation, into full project management:

- 2019 SABIC/Safco: CP application on existing seawater intake/return structures, including reinforcement bars, stop logs, travelling screens, bar screens, and sluice gates
- 2019 SABIC/Petrokemya: CP application on existing seawater intake/return structures, including reinforcement bars, stop logs, travelling screens, bar screens, and sluice gates
- 2019 SABIC/Sharq: Annual monitoring survey for 96-ICCP systems within Sharq plant
- 2018 Aramco: CP application on 10 tank bottom plate replacement at North Jeddah Bulk Plant and Dhuba power plant
- 2018 Aramco: Pilot project for Saudi Aramco to examine and approve pipelines Direct Assessment methodologies (ECDA, ICDA, and SCCDA). This project involved training to Aramco employees and establishment of DA standards and procedures.
- 2018 NWC: CP application on 17 AST tanks (internally and externally) at the Waad Al Shamal Waste Water Treatment project
- 2018 SABIC/Yansab: CP application on existing deck slab of two cooling towers 7801 & 7802
- 2017 SWCC: Corrosion study for pipe bevels stored at cement mortar lining yard
- 2017 SABIC/Ibn Zahr: CP application for new concrete foundations at Ibn Zahr HC/VRC DBN project
- 2017 SABIC/Yansab: CP performance assessment for 2 cooling towers 7801 & 7802 at Yansab plant
- 2016 Sadara: Installation of Corflex anode system for firewater and cooling water networks at units 773 and 779 of Sadara plant
- 2016 PNU: DC railway stray current interference study at Princess Nora University in Riyadh
- 2016 Aramco: Survey and design of CP system for 45 oil and gas well casings at Haradh, Hawiyah, Uthmaniayah and Shaden fields
- 2016 SABIC/Petrokemya: CP application for new concrete foundations at PK GHT/Benzene DBN project
- 2016 Aramco: CP application for firewater network, sheet piles, submerged bridge piles, and assessment of existing SACP system for 40 offshore platforms
- 2016 SABIC/Safco: CP application on reinforced concrete structures at the new cooling tower project in SAFCO-III area

## 11. Personnel Documents

### Abdallah M Hammoud - Resume

2015 Aramco: AC interference mitigation study for 16" Khafji-Tanajib sour gas pipeline

2015 Sabic/Petrokemya: CIPS and DCVG for 24" Propane gas pipeline

2015 SABIC/Petrokemya: CP application for new concrete foundations at PK Butadiene DBN project

2015 MCRA: CP system replacement of fuel piping network and storage tanks at Dammam airport fueling facility

2015 SWCC: AC interference mitigation study for Riyadh North City Feeder pipelines

2015 SWCC: CP application on Riyadh North City Feeder Water Transmission System (Pipelines (145KM) & Station Piping).

2015 SWCC: Replacement of 150 ICCP & SACP systems at Jubail desalination plant, the biggest desal plant in the world. This project included survey, design, assessment, and installation of CP materials for piping, tank external, tank internal, and seawater intakes.

2014 Aramco: CP application for 52 AST tanks, vessels, station piping, and hydrants at JIGCC Utilities project, Common Area, Package 5

2014 SABIC/Gas: CP application on existing seawater intake and return structures, including reinforcement bars, stop logs, travelling screens, bar screens, and sluice gates

2013 SABIC/Ibn Al Baytar: CP application on existing seawater intake/return structures, underground canal, and pump basin, including reinforcement bars, stop logs, travelling screens, bar screens, and sluice gates

2013 SABIC-Yanpet: CP application on existing seawater intake structure, including reinforcement bars and sluice gates

2013 Aramco: CP survey and design for 35 single & multi well, includes current distribution simulation by using proteus software.

2012 Aramco: CP survey and design for cross country pipeline (112KM) from Abqaiq refinery in KSA to Bapco Refinery in Bahrain, including offshore section

2012 Aramco: CP survey and design for Manifa upstream onshore pipelines (150km)

2012 Chevron: CP application on 20" EOCENE & 20" RATAWI Pipelines from Wafra city to Mina Saud in Kuwait

2012 Senegal: CP application on fuel piping network at Blaise Diagne International Airport in Dakar

2011 Aramco: CP survey and design for DR-2 & RTDB-2 gas pipelines (402KM Twin) from Ras Tannurah to Riyadh

2011 Aramco: CP survey and design for UBTG-1 pipeline replacement in Ras Tannurah

2011 Aramco: CP survey and design for RTJPRP-1, RTJ-1 & RTJ-2 pipelines replacement in Ras Tannurah

## 11. Personnel Documents

### Abdallah M Hammoud - Resume

2011 Aramco: CP survey and design for 104 buried vessels and station piping at King Fahd Air Base in Tabuk, KSA.

2011 KJO: Evaluation of existing CP systems of 156 well jackets and platforms in Khafji, Dorra & Hout offshore fields in the Arabian Gulf and generating recommendations report to upgrade all sacrificial & ICCP systems

2010 SWCC: CP application on Ras Al Khair – Hafar Al Batin Water Transmission System (Tanks, Pipelines (362KM) & Station Piping).

2010 SWCC: CP application on Ras Al Khair – Riyadh Water Transmission System (Tanks, Pipelines (400km) & Station Piping).

2010 SWCC: CP application on Al Taif – Al Baha Water Transmission System (Tanks, Pipelines (198KM) & Station Piping).

2010 Royal Commission: CP application for reinforced concrete structures at the Water Front Phase-III project in Yanbu Industrial Port

2009 SEC: CP application on Heavy Fuel Oil Tanks at Rabigh Power Plant II

2009 SEC: CP application on Distillate Oil Tanks at Duba Power Plant

2009 SEC: CP application on Distillate Oil Tanks Tabuk Power Plant

2008 Marafiq: CP application on 20 GAC & Media filter vessels at Marafiq IWTP8 project

2008 SWCC: CP application on Eastern Province Water Transmission System Phase II (Tanks, Pipelines (112KM) & Station Piping).

## 11. Personnel Documents

### 11.2. CP Team Certificates of Achievements



## 11. Personnel Documents



## 11. Personnel Documents

### 11.3. NDT Team Resumes

#### Mosa K. Al Alam - Resume



Specialized Oil & Gas Engineering Co. Ltd.



**Mosa K. Al-Alam**  
Level III / Area Supervisor / RSO  
Years of Experience **16**

#### Personal Information:

Date of Birth: 01/12/1978 Iqama No.:2269509051 Nationality: Syrian  
Driving License : Yes Blood Group: O- Experience: 16 Years

#### Education:

Higher School Certification

#### Qualifications:

Certification	Certification Level	Certified By
RTFI	ASNT - II	SOGEC
Magnetic Particle Testing	ASNT - II	SOGEC
Penetrant Testing	ASNT - II	SOGEC
Ultrasonic Testing	ASNT - II	SOGEC
Radiation Safety Officer	-	NRRC
Radiation Source Retrieval Certification	-	ASNT - SAS
Radiation Projector Maintenance Certification	-	ASNT - SAS
Level III (PT,MT,RT,UT)	-	ASNT

## 11. Personnel Documents



Specialized Oil & Gas Engineering Co. Ltd.



### Experience:

#### 1-Specialized Oil & Gas Engineering Co. LTD. (KSA)

Company	From	To	Title	Method
SOGEC	2007	Present	NDT Technician	RTFI, RT, MT, PT

### Duties & Projects:

- Applying all the Radiation Safety Officer Responsibilities defined by the KACARE National Regulations.
- Supervision and coordination of Radiographic Testing in complex environments & conditions.
- Responsible for aspects of Radiation matters, overseeing personal dosimeters & compilation of dose records.
- Conduct all activities related to use, handling, transportation and storage of Radioactive materials.
- Conducting Film interpretation of Radiography films according to the acceptance criteria of the specified codes and procedures.
- Co-ordinate all NDT work of all technicians in the performance of RT, MT, PT & UTT.
- Review and approve all the required reports by the clients for the performed activities.

### Work Locations:

- Nesma (Saudi Aramco project) (CPF) / Shaybah
- Nesma (Saudi Aramco project) (DHT) / Ras Tanura
- Sabic-Yanbu (Yansab; Ibn Rushd; Yanpet)
- Yanbu Refinery Shut down, Saudi Aramco
- Olayan Descon (Different Projects)
- SWCC, Yanbu (Harris Pye)
- Yasref Refinery (Dailem, TCC, SARCO, NSH)
- Binladin PCMC, Saudi Aramco Yanbu Refinery

## 11. Personnel Documents



Specialized Oil & Gas Engineering Co. Ltd.



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### Experience:

- Petrojet – PetroRabigh-II Utility

### 2-Rawabi Industrial Services (RISS)

(KSA)

Company	From	To	Title	Method
RISS	2006	2007	NDT Technician	RT, MT, PT, UTT

### Duties & Projects:

- Conducting RT, MT, PT & UTT work according to the company and client procedures and international codes.
- Prepare all the required reports by the clients for the performed activities.

## 11. Personnel Documents

### Louay Gamalelddeen - Resume

#### Loay Gamalelddeen Saad

Operations Manager

Salman Al Farisi St, Al Khalidiyah, Dammam  
Direct: +966 (013) 892 3732

[Loay.Gamalelddeen@ikkgroup.com](mailto:Loay.Gamalelddeen@ikkgroup.com)



Managing the Company projects from beginning to end, ensuring that projects are completed within time and budgetary constraints to ensure the successful delivery of the construction projects.

Prepare and implement the annual Department plan to support the overall strategic objectives of company. Develop the Operations Department objectives and plans and ensure that they are communicated and implemented within the department. Prepare and manage the Department budgets. Develop, implement and maintain Operations policies and procedures. Manage, develop, evaluate and lead the Operations team to execute the assigned tasks. Plan and coordinate all aspects of the projects process. Supervise and work in close coordination with Project Managers, HSSE, and Cost Control to accomplish the efficient and timely completion of all projects, operations and maintenance requirements. Determine the schedule of different phases of a project based on established deadlines. Perform all necessary action to ensure that adequate personnel scheduling, materials, equipment and other coverage is available for operation. Review the operating results of the Operations Department and compare them to established goals and objectives to ensure that operations are operating effectively to support the operations and follow-up with the respective departments to ensure that appropriate measures are taken to correct unsatisfactory results. Secure the availability of obligatory permits, licenses, materials and equipment to construction sites. Confer with Project Managers or other managers to monitor progress, including workers' productivity and compliance with safety codes. Ensure that a project is completed according to schedule, resolve problems that arise due to inclement weather, emergencies or other issues that may cause delays. Conduct planned and ad-hoc inspections of work site to monitor project execution and identify unsafe conditions and behaviors. Collaborate with the project manager and engineers to ensure feasibility of each project. Conduct meetings on-site with engineers, client and construction team. Review all periodical progress reports (weekly, monthly, etc.) of all projects across the areas raised by Project/Area Managers and ensure that all constructions followed the terms and specifications that were agreed on. Review all submitted change order by the sub-contractors that was forwarded by the Project/Area Manager. Direct the project's final assessment which includes construction quality, actual vs. budget analysis (cost), completion time vs. planned.



#### Work History

2008 - Current

**NDT Operations Manager / Level III**

Specialized Oil & Gas Engineering Company (Sogec), Dammam, Saudi Arabia



#### Education

**B. Sc. in Mechanical Power Engineering**

Dammam University – Saudi Arabia

## 11. Personnel Documents

Loay Gamalelddeen Saad - Resume



### Industry Credentials

#### American Society for Nondestructive Testing (ASNT)

Level III - RT, UT, MT, PT, VT

#### American Petroleum Institute (API)

API-570 Piping Inspector  
API-510 Pressure Vessel Inspector

#### King Abdulaziz City for Science and Technology (KACST)

Radiation Safety Officer



### Key Projects

Key projects are listed below, level of involvement varies from survey, design, supervision of installation, into full project management:

<i>Inma Steel Fabricators Co. Ltd.</i>	NDT Services at Inma Steel yard
<i>Saudi Aramco</i>	NDT Conventional Contract - Mr. Kazem H. Mussabeh - RT – Hawiyah
<i>STFA Marine Construction Co.</i>	RT Services at Manifa
<i>SKEC</i>	NDT Services at JERP5B Project in Jubail 2 Area
<i>Nesma</i>	NDT Services at FCC- Package 2A JERP, Jubail
<i>Saudi Binladin Group</i>	NDT Services at Gulf Farabi, Jubail
<i>Nesma</i>	NDT Services for Coker Unit - JERP, Jubail
<i>Saudi Binladin Group</i>	NDT Services at Jana (Field), Jubail
<i>Tihama Power Generation Co. Ltd.</i>	NDT Services at Uthmaniayah, Shedgum, Rastanura & Juaymah Plants
<i>Olayan Descon</i>	NDT Services in Yanbu

## 11. Personnel Documents

### Loay Gamalelddeen Saad - Resume

<i>Branch of Third Chemical Engineering Construction Co. Ltd of China</i>	NDT Services at YERP EPC-3
<i>Olayan Descon</i>	NDT Services at YERP, Yanbu
<i>Saudi Binladin Group</i>	NDT Services at Ibn Rushd, Yanbu
<i>Yansab / Sabic</i>	NDT Services at Yansab
<i>Bonatti SPA Branch</i>	NDT Services For KRT & Daylighting Project
<i>Safco / SABIC</i>	NDT Services at Safco II SFII-AMM-TA13 April 2013
<i>Technip S.A. Ltd.</i>	UT Services at Satorp, Jubail
<i>Olayan Descon</i>	NDT, TOFD, PAUT, PMI, Ferrite Services During Samref Turnaround- T2 (FCC & Major Projects)
<i>Ibn Rushd / Sabic</i>	NDT Services at Ibn Rushd, Yanbu (4600006612)
<i>Sinopec E&amp;C Middle East Co. Ltd.</i>	RT Services @ Satorp, Jubail
<i>Technip S.A. Ltd.</i>	PT & UT Services at Satorp, Package 2A
<i>Ibn Baytar / Sabic</i>	NDT Services at IBBTA-14 Urea
<i>Hyundai Arabia Co. Ltd.</i>	NDT Services for Power Plant Projects in Eastern Region
<i>Ibn Zahr / Sabic</i>	RT Services on Piping Joints for Various AFC Projects
<i>Saipem Taqa Al Rushaid Fabricators Co. Ltd.</i>	NDT Services for Various Projects in Dammam
<i>Saudi Aramco</i>	NDT Services in Saudi Aramco Jeddah Refinery
<i>Nass Industrial Services</i>	NDT Services For Sadara Project in Bahrain
<i>Technip S.A. Ltd.</i>	RT Services At Satorp
<i>Nesma</i>	NDT Services for Sadara Project in Jubail
<i>Harris Pye Marine Ltd.</i>	NDT Services for Aramco Abqaiq Project

## 11. Personnel Documents

### Loay Gamalelddeen Saad - Resume

<i>Nasser S. Al Hajri</i>	NDT Services for Kemya Project, Jubail
<i>PETROJET - Saudi Arabia</i>	NDT Services for Petrorabigh Petrochemical Project
<i>Safco / SABIC</i>	NDT Services in IBB During Turnaround 2014
<i>Tecnicas Reunidas Saudia for Services and Contracting Co.Ltd.</i>	NDT Services in Manifa Cogeneration Plant
<i>Saudi Archirodon Ltd.</i>	RT Services for Yanbu Export Refinery Project
<i>Abdullah A. Al-Barrak &amp; Sons Co.</i>	NDT Services for Riyadh Refinery
<i>Saudi Arabian Kentz Co. Ltd.</i>	NDT Services for Ma'aden-Alcoa Automotive Sheet Facility
<i>Sarh Attqnia Contracting Company</i>	UT Shearwave Services for Tanks at Abha
<i>Yapi Merkezi</i>	RT Services at Nariyah
<i>Petroleum Chemicals &amp; Mining Co. Ltd.</i>	RT Services at Marafiq, Jubail
<i>Abdulla Nass &amp; Partners Co. Ltd.</i>	NDT Services at Sadara, Jubail
<i>PETROJET - Saudi Arabia</i>	NDT Services at Petro Rabigh - 5 Tanks Project
<i>Larsen &amp; Toubro</i>	NDT Services for Midyan Gas Processing Facilities
<i>Salim M. Al-Joaiib &amp; Partners Co.</i>	NDT Services for Tie-in Haradh 1522 Oil Well Pipeline
<i>Gulf Consolidated Contractors Company (GCC)</i>	NDT Services For Pipe Line Instrument Scrapping Facilities
<i>M.S. Al-Suwaidi</i>	NDT Services for Various Projects in the Western Province
<i>Petroleum Chemicals &amp; Mining Co. Ltd.</i>	NDT Services for YNGL Project # 596, Yanbu
<i>Hanwha Saudi Contracting</i>	NDT Services at Jazan Construction Site
<i>Olayan Descon</i>	NDT Services for Petro Rabigh Project

## 11. Personnel Documents

### Loay Gamaleldin Saad - Resume

<i>Bonatti SPA Branch</i>	NDT Services for KRT-2 Daylight Project, Ras Tanura
<i>Saudi Aramco</i>	MFC for Conducting Radiography Services
<i>Shandong Electric Power Construction Group Saudi Arabia LLC</i>	NDT Services at Jazan, Power Block, Pkg# 4
<i>GAS Arabian Services Co. Ltd</i>	Providing NDT Services For Various Projects in Eastern Province
<i>Saudi Archirodon Ltd.</i>	Providing NDT Services For Yanbu Export Refinery Project (SP-7)
<i>Samsung EPC Company Ltd.</i>	Providing RTFI Services for Clean Transportation Fuels at Riyadh Refinery (RCTF) Project, Saudi Aramco
<i>Target Construction Saudi Arabia (W.L.L)</i>	Providing NDT Services at Yanbu Refinery
<i>Saudi Kad Contracting Co.</i>	Providing NDT Services for Saudi Aramco Projects
<i>Nasser S. Al Hajri</i>	Providing NDT Services For Saudi Aramco Projects
<i>DNGO Contracting Saudi Co.</i>	Providing Inspection Services For Steel Tank
<i>Olayan Descon</i>	Providing RSO Services at Ar Razi, Jubail
<i>Nesma</i>	Providing NDT Services for Jubail Bulk Plant Project
<i>CCC</i>	Providing NDT Services at Jazan
<i>Sulzer Saudi Pump Company</i>	Providing NDT Services at Riyadh-RT
<i>Saudi Archirodon Ltd.</i>	Providing NDT Services for Yanbu South Terminal (Offshore Facilities) Project, Yanbu
<i>SENDAN International Co. Ltd.</i>	Providing NDT Services at NGL, Yanbu
<i>GAMA Al Moushegah Arabia Ltd.</i>	Providing NDT Services For GOSP Project At Khurais
<i>National Contracting Co. Ltd.</i>	Providing NDT Services for Khurais Area Facilities Expansion & Satellite GOSP Project at Khurais

## 11. Personnel Documents

### Loay Gamaleldin Saad - Resume

Saudi Aramco	Supply of Radioactive Isotopes for Saudi Aramco
<i>Branch of Third Chemical Engineering Construction Co. Ltd. Of China (TCC)</i>	Providing NDT Services at Jazan IGCC/ASU Project
NESMA	Providing NDT Services at Ras Tanura
<i>Saipem Taqa Al Rushaid Fabricators Co. Ltd.</i>	Providing NDT Services at Jubail
<i>Juffali Heavy Equipment Co. (JHECO)</i>	Providing RTFI Services for PDA Revamp Project at Luberef-II, Yanbu
<i>Petroleum Chemicals &amp; Mining Co. Ltd.</i>	Providing NDT Services for Fadhli Gas Program Project
<i>Arkad Engineering &amp; Construction Co.</i>	Providing NDT Services for Master Gas II & Western Region Pipelines Project Pkg # 1 & 3
<i>Nasser S. Al Hajri</i>	Providing NDT Services for Jazan Refinery & Terminal Projects
CCC	Providing NDT Services for Jazan Integrated Gasification Combined Plant Project
<i>SAIPEM Snamprogetti Saudi Arabia Ltd.</i>	NDT Services for Hook-up Activities Offshore
NESMA	Providing NDT Services For Saudi Aramco Potential Maintenance Project - Eastern Province Area
<i>SAUDI ARAMCO TOTAL Refining &amp; Petrochemicals Company (Satorp)</i>	Conventional NDT Contract
<i>Saipem Taqa Al Rushaid Fabricators Co. Ltd.</i>	NDT RT Services for Piping Prefabrication
Saudi Aramco	Advance NDT services
<i>Specialized Industrial Services Co. Ltd. (SISCO)</i>	Providing NDT Services at Yanbu

## 11. Personnel Documents

### Loay Gamalelddeen Saad - Resume

<i>SAIPEM Snamprogetti Saudi Arabia Ltd.</i>	NDT Services for Hook-Up Activities Offshore
<i>Saudi Aramco Total Refining &amp; Petrochemical Co. (SATORP)</i>	Non Destructive Testing Conventional Services
<i>Saudi Services For Electro Mechanical Works Co</i>	Providing NDT & PWHT Service for Construction of Yanbu Distribution HUB in plant & Interface Works
<i>Branch of China Petroleum Pipelines Co.</i>	Providing NDT Services for ONSHORE Maint Potential PROG -NA1 ZONE at Khurasanlyia.
<i>Metscco Heavy Steel Industries Co. Ltd.</i>	Providing NDT Services at Duba & Neom Sites
<i>RABIGH OPERATIONS &amp; MAINTENANCE COMPANY LTD. (ROMCO )</i>	Providing Radiography Testing Services @ Rabigh
<i>Mutlaq Al-Ghowari Contracting Co.</i>	Providing NDT, PQR (Welding Procedure Qualification) & WQT Inspection Services at Neom Water Transmission System Project for SWCC
<i>Anabeeb</i>	Providing NDT & HT Services at SASREF
<i>TEKFEN Construction &amp; Installation Co. Inc.</i>	Providing NDT Services for Aramco Field Gas Compression Haradh (Satellite) Project in Haradh and Hawiyah Field
<i>NESMA &amp; PARTNERS CONTRACTING CO.LTD.</i>	Providing NDT & PWHT Services for Aramco Water Handling Debottlenecking at South Ghawar
<i>M.S.Al.Suwaidl Industrial Services Co.Ltd.</i>	Providing NDT Services for all projects throughout the Kingdom of Saudi Arabia (Eastern, Central and Western Regions)
<i>Saipem Taqa Al Rushaid Fabricators Co. Ltd.</i>	Providing NDT Services - BERRI/KJO & MARJAN Project
<i>Engineering For The Petroleum and Process Industrie (Enppi)</i>	Providing NDT and PWHT Services at Abqaiq

## 11. Personnel Documents

### Loay Gamalelddeen Saad - Resume

<i>Saudi Arabian Kentz Co. Ltd.</i>	Providing Radiographic Testing Services at Ghazal-Khurais
<i>Saudi Aramco</i>	Providing Radioactive ISO TOPES for Saudi Aramco
<i>NESMA &amp; PARTNERS CONTRACTING CO.LTD.</i>	Providing NDT & PWHT Services For Saudi Aramco GOSP 3 Upgrade Water Handling Project at Hawiyah
<i>Saudi Aramco</i>	Providing NDT Services at Master Gas Station
<i>Saudi Services For Electro Mechanical Works Co</i>	Providing NDT Services at Energy Industrial City, Dammam
<i>MIS Arabia</i>	Providing NDT Services for Ibn Al Baytar / Safco/ Sabic, at Jubail
<i>Saudi Intermaint Co. Ltd.</i>	Providing Radiography Testing Services at Yanbu
<i>Salim M. Al-Joaib &amp; Partners Co.</i>	Providing NDT and PWHT Services at Abqaiq
<i>Bin Quraya Holding Company</i>	Providing NDT and PWHT Services at Haradh
<i>Mutlaq Al-Ghowari Contracting Co.</i>	Providing NDT, PQR & WQT Inspection Services at Hafr AL Batin & Al Taif
<i>Saudi Aramco</i>	Providing NDT Services at Khurais.
<i>Metscco Heavy Steel Industries Co. Ltd.</i>	Providing NDT Services For Water Tanks in Jazan

## 11. Personnel Documents

### Abdelaziz El-Gamal - Resume



Specialized Oil & Gas Engineering Co. Ltd.



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#### Abdelaziz Adel El Gamal Projects Manager

##### Personal Information:

Date of Birth: 08/05/1991 Iqama No.: 2375462195 Nationality: Egyptian  
Driving License: Yes Blood Group: B+ Experience: 08 Years

##### Education:

Bachelor Degree in Material Science and Metallurgical Engineering

##### Qualifications:

Certification	Certification Level	Certified By
Project Management Professional (PMP)	-	PMI
PMI Risk Management Professional (PMI-RMP)	-	PMI
API 510, 570 & 577	-	API
CSWIP 3.1 Welding Inspector	3.1	CSWIP-TWI
CSWIP Automatic UT Data Interpreter – (CSWIP AUTDI)	-	CSWIP
Radiation Safety Officer (RSO)	-	KACARE, KSA
OSHA 30	-	IASP
<b>Non-destructive testing</b>	ASNT - II	SOGEC
<ul style="list-style-type: none"><li>• Radiographic Testing (RT)</li><li>• Ultrasonic Testing (UT)</li></ul>	<ul style="list-style-type: none"><li>• Magnetic Testing (MT)</li><li>• Penetrant Testing (PT)</li></ul>	
Lean Six Sigma	Green Belt	American University in Cairo
Lean Six Sigma	Yellow Belt	American University in Cairo

## 11. Personnel Documents



Specialized Oil & Gas Engineering Co. Ltd.



### Experience:

#### 1- Specialized Oil & Gas Engineering Co. LTD. (KSA)

Company	From	To	Title	Method
SOGEC	2014	Present	Project Manager	RT, MT, PT, UT

- A. Project Manager (April 2021 till Present)
- B. Senior Project Engineer (June 2017 – Apr 2021)
- C. Project Engineer (Nov 2014 – Jun 2017)

### Duties & Projects:

- Handling inspection Projects with Saudi Aramco.
- Managing Shutdowns Advanced & Conventional NDT.
- Site Supervisor
- Organizing The Technicians on Site as per the requirements.
- Develops the projects start up "check list" that includes but not limited to: organization charts, mobilization plan, BOQ, administrative requirements, schedules, submittals, QC plan safety plan.
- Coordination of all NDT activities at site and during execution stage with the consultants within the contract requirements.
- Attend to Job-Explanation Meeting/site visit and technical clarifications meeting.
- Assist Estimation Department in properly estimating Project Quote.
- Prepares cash flow and prepares site reports.
- Prepare specialized procedure/ method of statements/ JRA /HSE for the job in compliance with Client.
- Helps support and coordinates efforts including job pre-planning, job set-up, crew assignments, and change order.
- Plan equipment, resources and manpower required for executing the Job in an efficient and cost effective manner.

## 11. Personnel Documents

### Ram Bharath - Resume



#### Ram Bharat Ram Badal

NDT Level III

(RSO/RTFI/UT/RT/MT/PT)

Years of Experience 24

#### Personal Information:

Date of Birth: 04/07/1972 Iqama No.:2411195288 Nationality: Indian  
Driving License: Yes Blood Group: B- Experience: 24 Years

#### Education:

Bachelor of Science in Mathematics.

#### Qualifications:

Certification	Certification Level	Certified By
PT, MT, RT, UT, VT & ET	ASNT NDT - III	ASNT
RSO	NA	NRRC, Saudi Arabia
Penetrant Testing	NDT - III	SOGEC
Magnetic Particle Testing	NDT - III	SOGEC
Radiographic Testing	NDT - III	SOGEC
Ultrasonic Testing	NDT - III	SOGEC
RTFI	NDT - II	SOGEC

## 11. Personnel Documents



### Experience:

#### 1-Specialized Oil & Gas Engineering Co. Ltd. (KSA)

Company	From	To	Title	Method
SOGEC	2016	Present	NDT Level III,RSO /NDT Specialist II	PT,MT,RT,UT

### Duties:

- Performing Conventional NDT Techniques (MT, PT, UT and RT) on construction welds/materials and during in-service inspection.
- Evaluation of test results and report preparation.
- Maintain a continual review of Saudi Aramco procedures and standards related to NDT and the application of NDT methods.
- As and when required, provide on -the-job training for other employees and contractor technicians working for Saudi Aramco.
- Attend meetings associated with the Work.
- Conduct activities related to the use, handling, transportation, and storage of radioactive sources in accordance with Saudi Aramco Radiation Protection/ Safety Procedures and National Regulations.
- Conducting Film interpretation of Radiography films according to the acceptance criteria of the specified codes and procedures.
- Conduct radiation safety assessments of field operations, facilities, and documentation to assure compliance with Saudi Aramco radiation safety procedures and National regulations.
- Coordination of radiography in complex environments such as refinery operations.
- Be conversant with and provide advice on the National Regulations and International Standards for radiation safety, and industrial standards for radiography applications such as ASME Section V, ASME Section VIII, ANSI (B31 .1, ANSI B31.3, API 1104, AWS 01.1, etc.

## 11. Personnel Documents



Specialized Oil & Gas Engineering Co. Ltd.



- Administer assigned functions of the Saudi Aramco radiation safety procedures concerning the defined duties and responsibilities of the Radiation Safety Officer.
- Carry out assignments as directed by individual's supervisor and coordination of activities to assure completion.
- Prepare inspection reports and maintain inspection records.
- Ensure proper usage and storage of SAUDI ARAMCO materials.
- Be proficient in the duties and responsibilities of a Radiation Protection Officer as defined by the National Regulations and NDT methods including MT, PT, UT, RTFI and RT.

### 2-AMO & Partners Engineering Company.

(KSA)

Company	From	To	Title	Method
AMO & Partners Engineering company	2013	2015	RSO /NDT Specialist II	MT, PT, RT, Radiation Safety

#### Duties:

- Performing Conventional NDT Techniques (MT, PT and RT) on construction welds/materials and during in-service inspection.
- Evaluation of test results and report preparation.
- Maintain a continual review of Saudi Aramco procedures and standards related to NDT and the application of NDT methods.
- As and when required, provide on -the-job training for other employees and contractor technicians working for Saudi Aramco.
- Conduct radiation safety assessments of field operations, facilities, and documentation to assure compliance with Saudi Aramco radiation safety procedures and National regulations.
- Be proficient in the duties and responsibilities of a Radiation Protection Officer as defined by the National Regulations and NDT methods including MT, PT and RT.

## 11. Personnel Documents



Specialized Oil & Gas Engineering Co. Ltd.



KABBANI  
CONSTRUCTION  
GROUP®

### 3-M/S OMTECH NDT Services Surat, Gujarat.

(India)

Company	From	To	Title	Method
M/S OMTECH NDT Services Surat, Gujarat	2012	2013	NDT Technician	MT, PT, RT

#### Duties & Projects:

- Performing Conventional NDT Techniques (MT, PT and RT) on construction welds/materials and during in-service inspection.
- Evaluation of test results and report preparation.

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### 4-Specialized Oil & Gas Engineering Co. Ltd.

(KSA)

Company	From	To	Title	Method
SOGEC	2007	2012	NDT Technician	MT, PT, RT

#### Duties & Projects:

- Performing Conventional NDT Techniques (MT, PT and RT) on construction welds/materials and during in-service inspection.
- Evaluation of test results and report preparation.

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### 5-M/S Gammax services, Borivali West.

(India)

Company	From	To	Title	Method
M/S Gammax services, Borivali West	2005	2007	NDT Technician	MT, PT, RT

## 11. Personnel Documents



Specialized Oil & Gas Engineering Co. Ltd.



KABBANI  
CONSTRUCTION  
GROUP®

### Duties & Projects:

- Performing Conventional NDT Techniques (MT, PT and RT) on construction welds/materials and during in-service inspection.
- Evaluation of test results and report preparation.

6-Gulachi Engineers Pvt. Ltd. Okhla New Delhi.

(India)

Company	From	To	Title	Method
Gulachi Engineers Pvt. Ltd. Okhla New Delhi	1998	2005	NDT Technician	MT, PT, RT

### Duties & Projects:

- Performing Conventional NDT Techniques (MT, PT and RT) on construction welds/materials and during in-service inspection.
- Evaluation of test results and report preparation.
- Co-ordination with several Third party
- Inspection agencies such as SGS, BVIS, EIL, DNV etc.
- Commissioning and maintaining X-Ray/gamma ray machine.
- Responsibilities of all radiation safety activities and related equipment's, documentation and safety-training program.

## 11. Personnel Documents

### Rupesh Nair - Resume

#### Rupesh Nair

Technical Manager - NDT

Salman Al Farisi St, Al Khalidiyah, Dammam  
Direct: +966 (013) 892 3735  
[rupesh.nair@ikkgroup.com](mailto:rupesh.nair@ikkgroup.com)



Skilled and experienced NDT Level III with expertise in conventional and advanced NDT. More than 20 years' experience in Training, NDT/Inspection and Operations in oil and gas, petrochemical, nuclear and fabrication sectors.

Proven track record of managing teams of inspection personnel in construction, operation & maintenance and shutdown jobs. Conversant with the applicable standards and implementation of the same in NDT and Inspection. Hands on experience in Conventional and Advanced NDT methods – Tube inspection, MFL, OCTG and BHA inspection. Has been working as NDT Instructor for conducting conventional and advanced methods/techniques for companies and NDT College graduates. Well experienced with NDT training and certification, procedure/technique development and NDT audits.



#### Work History

2023 - Current	<b>Technical Manager / NDT level III</b> Specialized Oil & Gas Engineering Company (Sogec), Dammam, Saudi Arabia
2009 - 2022	<b>NDT Instructor</b> Jubail Industrial College, Saudi Arabia
2008 - 2009	<b>Operations Supervisor / Radiation Protection Officer</b> AXIS Inspection Technologies, Khobar, Saudi Arabia
2007 - 2007	<b>NDT Inspector / NDT Instructor</b> HAINSCO, Khobar, Saudi Arabia
2007 - 2007	<b>OCTG / BHA Inspector</b> Special Oilfield Services, Muscat, Oman
2004 - 2006	<b>NDT Inspector</b> HAINSCO, Khobar, Saudi Arabia
2003 - 2004	<b>NDT Inspector</b> InjoTech, Pune ,Mumbai,India
2001 - 2003	<b>Junior Inspector</b> PLEXTECH Inspection Technologies, Mumbai, India

## 11. Personnel Documents

Rupesh Nair - Resume

### Education

**B.Sc. Physics**  
Kerala University, Kerala, India

### Industry Credentials

#### American society for Non-Destructive Testing (ASNT)

ASNT NDT Level III in UT, MT, PT, ET (ID #182806)

#### BS EN ISO 9712

Certified Level 2 in Phased Array Ultrasound Testing (PAUT)

Certified Level 2 in Time Of Flight Diffraction (TOFD)

Certified Level 2 in AUT- Data Interpretation

#### Olympus NDT, Canada

ECT / RFT / MFL / IRIS Using MS 5800

### Key Projects

Key projects are listed below, level of involvement varies from Training, NDT inspection, Supervision, Coordination, planning and auditing.

Timeline	Activities
2023	<i>Technical support for operational activities in Tube Inspection and Advanced NDT.</i>
2023	<i>Procedure preparation meeting the client scope in PAUT &amp; ToFD.</i>
2019	<i>Coordinated all program level activities for the ABET accreditation and re-accreditation processes.</i>
2015-21	<i>Program coordinator for AWS CWI Seminars &amp; Examination.</i>
2015-21	<i>AWS approved test supervisor for AWS examination Schedules at JIC.</i>
2014-15 2018-19	<i>Course Director for NDTEET Diploma Program</i>
2014-15	<i>Mechanical Department Council member</i>

## 11. Personnel Documents

Rupesh Nair - Resume

2018-19	
2014-15	<i>Chairman for Program Advisory and Evaluation Committee.</i>
2018-19	
2013	<i>Deputy to NDT Director.</i>
2013-14	<i>Member of Faculty Job Application evaluation Committee.</i>
2013-14	<i>Member of Assessment &amp; ABET Steering Committee</i>
2012-13	<i>Member of NDTE committee in developing the Associate of Science in Non Destructive and Evaluation Engineering Technology.</i>
2010-21	<i>NDT Instructor for heat exchanger tube Inspection &amp; Conventional NDT; UT, RT, VT, MT, PT, ET.</i>
2010	<i>Developed inhouse course material for VT, Radiation safety, NDT Codes and Standards, Eddy Current Testing.</i>
2010	<i>Assigned as RPO for X-Ray enclosure approvals and Radiographic activities.</i>
2009	<i>Initiated BINDT Accreditation process</i>
2008-09	<i>AXIS: Regular operational activities &amp; instructor for UT &amp; ET, on call basis by ARAMCO Inspection Department.</i>
2007	<i>SOS OMAN: Inspection of drill pipe, Rig mast accessories, Bottom Hole Kelly assemblies, Fishing tools using wet visible, wet fluorescent MPI &amp; visual methods.</i>
2007	<i>Oman Refinery: Inservice tube inspection using IRIS,MFL,ET,RFT</i>
2006	<i>RELIANCE: AUT of 48"/30" pipeline joints at Eluru Andrapradesh &amp; Valsad, Gujarat</i>
2006	<i>BAPCO: On stream thickness gauging of tank shell using UT squirter method at Sitra &amp; Awali</i>
2006	<i>BAPCO: Verifying with UT the thickness reduction in bottom sketch plates and annular plates of tanks detected by MFL and inaccessible areas.</i>
2006	<i>SAUDI ARAMCO: UT SW technician for bulk plants under ER/CR distribution division, Riyadh</i>
2006	<i>SECO Gazlan, Qurrayah: UT SW Weld inspection, Thickness gauging, Crack depth measurement, for power pipings.</i>
2005	<i>SAMAD: Inservice inspection of heat exchanger tubes using RFT &amp; MFL</i>
2005	<i>SABIC: Inservice inspection of heatexchanger tubes.</i>
2005	<i>Khafji Joint Operations: Inservice inspection using ET,IRIS,MFL,RFT for cooler and pre heater tubes at Desalter Unit during Phase 3 &amp; 6 overhauls.</i>

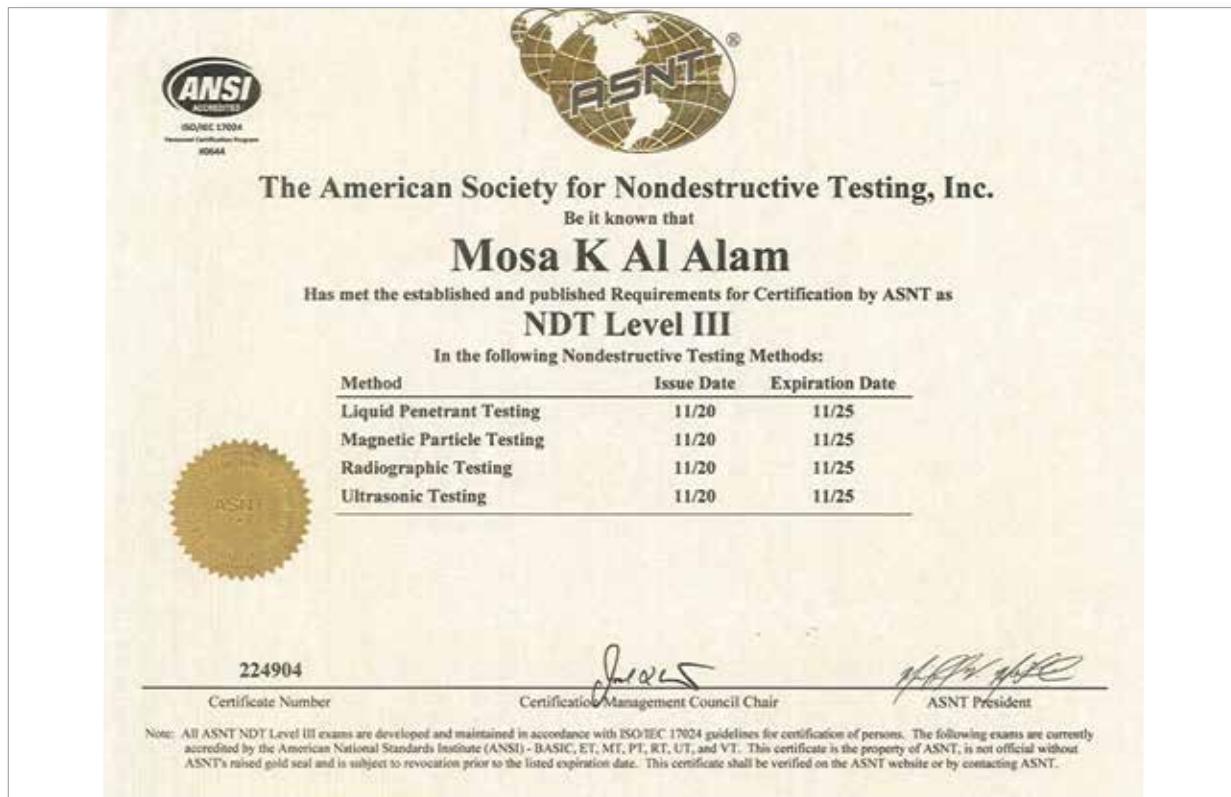
## 11. Personnel Documents

### Rupesh Nair - Resume

2004	<i>HAINS CO: Instructor for training Saudi nationals to be seconded to SAUDI ARAMCO</i>
2004	<i>HAINS CO: Operational activity for scheduling and tracking certification status.</i>
2004	<i>Rastanura Refinery, SECO power plant: PMI for pipings and homogeny of weld and base metal composition</i>
2004	<i>Barath Forge Ltd, Satara : Wet Visible MPI &amp; Visible PT on all structural Joints.</i>
2004	<i>Barath Forge Ltd, Satara : UT Shear wave of structural joints, wind mill components, Stator Carrier, Main Carrier.</i>
2004	<i>Walchandnagar Industries Ltd, Satara: UT of castings, Cross Beams &amp; Main Beams</i>
2003	<i>Jayaprakash Industries Ltd, Jammu: UT Shear wave inspection of ferrules with backing strip at Baghliar Hydro electric project Chanderkote.</i>
2003	<i>Cummins Ltd., Pune : UT for Rotor Shaft</i>
2003	<i>L &amp; T Niro, Hazira : Butt weld inspection of pressure vessels at fabrication stage.</i>
2003	<i>Gujarat Petronet Ltd.: UT shear wave of pipeline joints.</i>
2003	<i>L &amp; T Powai: Automated UT of butt welds in pressure vessels at fabrication stage.</i>
2003	<i>L &amp; T Hazira: ToFD demonstration in pressure vessel joints</i>
2003	<i>Tarapur Atomic Power Station: Fiberoscopy of Heat Exchanger tubes.</i>
2002	<i>TAPP 3 &amp; 4 : Bonding gap estimation between SS-Cd-SS sandwiched pipe used as control rods</i>
2002	<i>Tarapur Atomic Power Station: TAPP 3 &amp; 4 Garter Spring location identification of Calendria tubes</i>
2002	<i>Chandrapura Thermal Power Station: Heat exchanger tube inspection</i>
2002	<i>Tao Devlal Thermal Power Station, Panipat: Condenser tube inspection</i>
2001	<i>L &amp; T Powai : Pre service inspection of Heat Exchanger tubes</i>
2001	<i>BHEL Bopal: Pre service inspection of Heat Exchanger tubes, Condenser tubes</i>
2001	<i>Ratnamani Tubes : Loose tubes inspection using encircling coil.</i>
2001	<i>Godrej &amp; Bryce Vikroli : Pre service inspection of Heat Exchanger tubes</i>
2001	<i>Tao Devlal Thermal Power Station: Videoscopy of Boiler tubes as a part of RLA.</i>

## 11. Personnel Documents

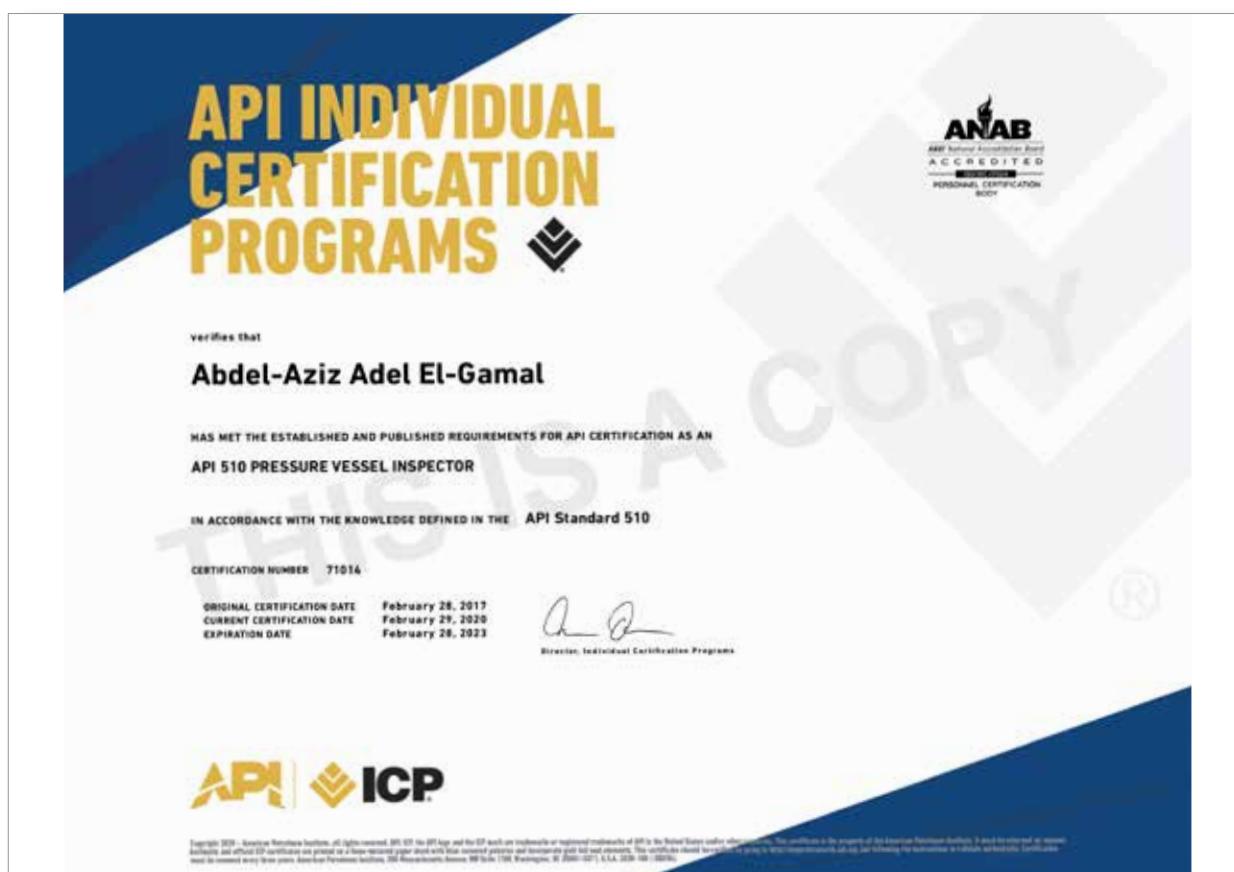
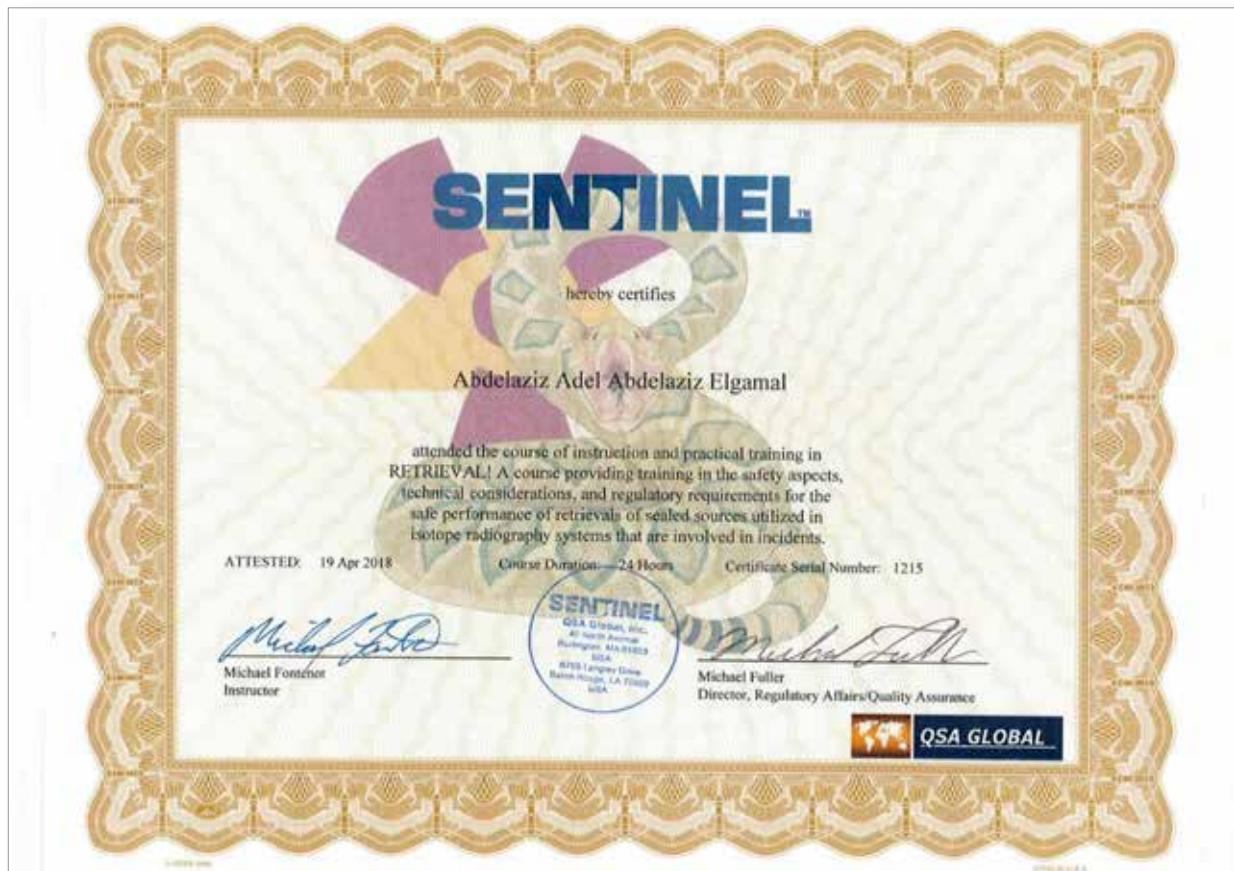
### 11.4. NDT Team Certificates of Qualifications



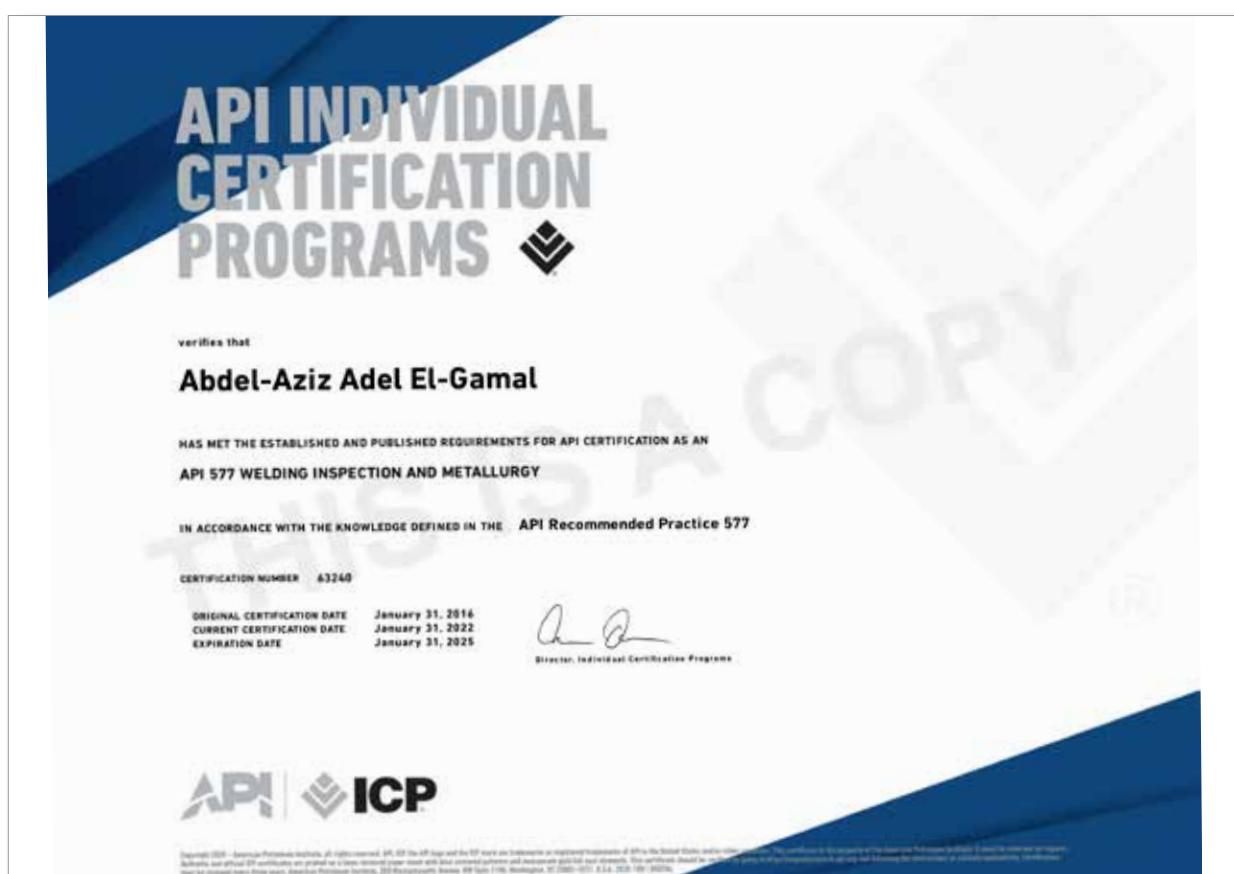
## 11. Personnel Documents



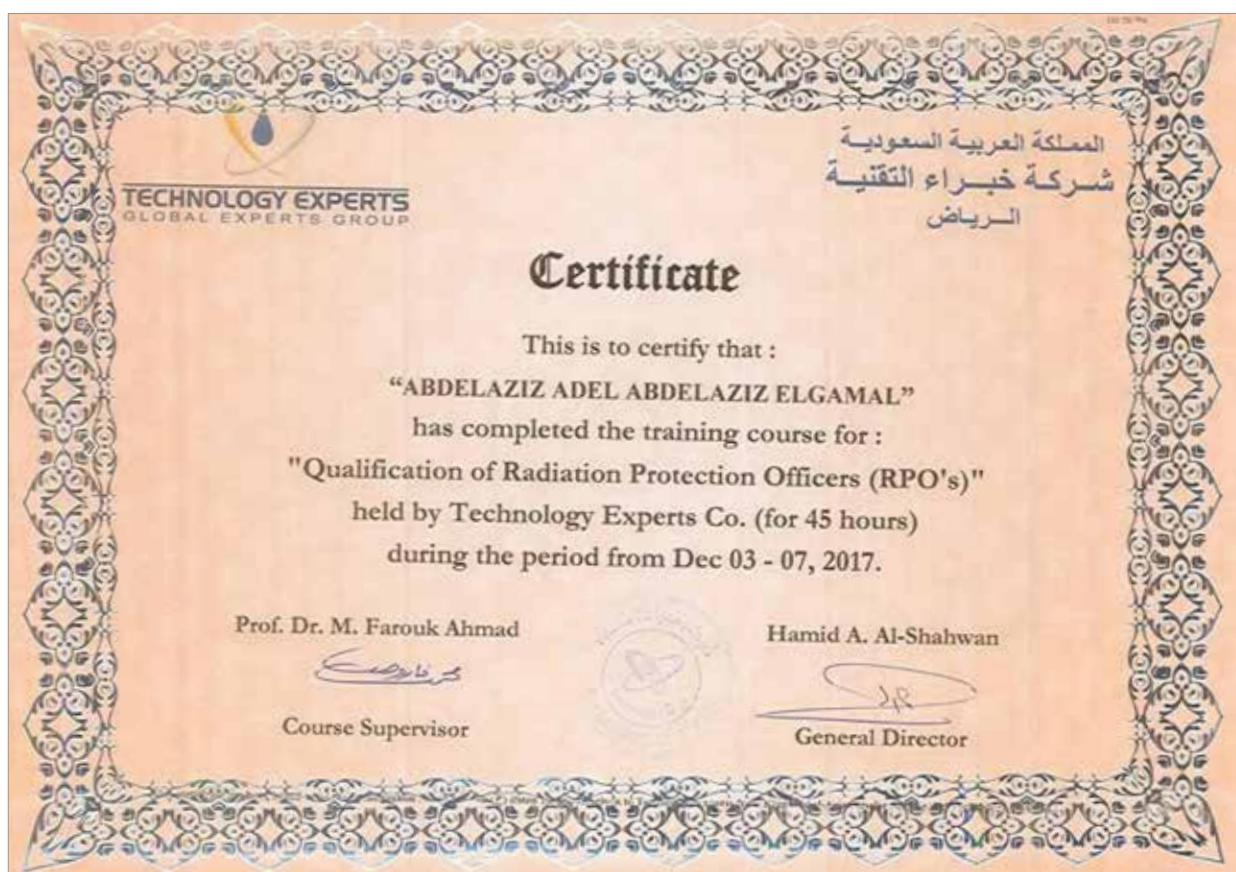
## 11. Personnel Documents



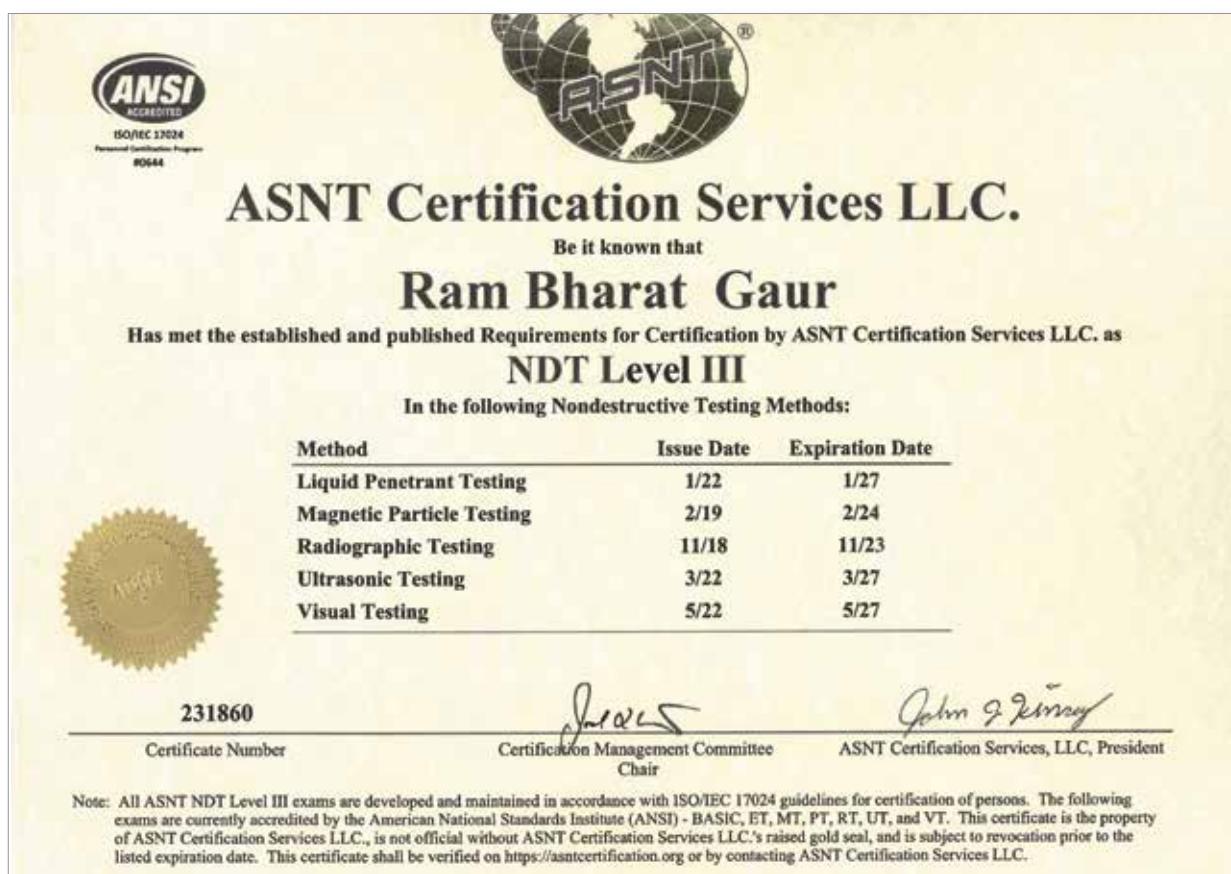
## 11. Personnel Documents



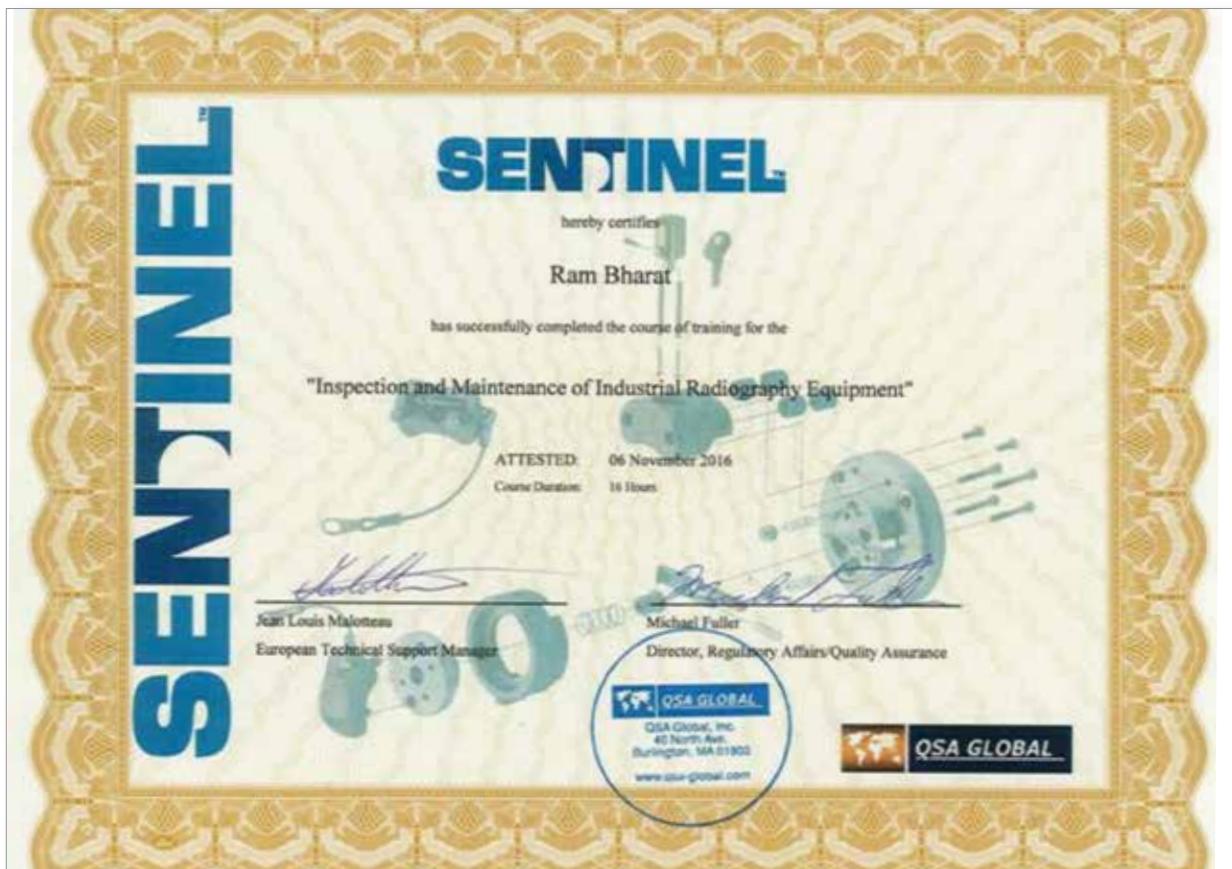
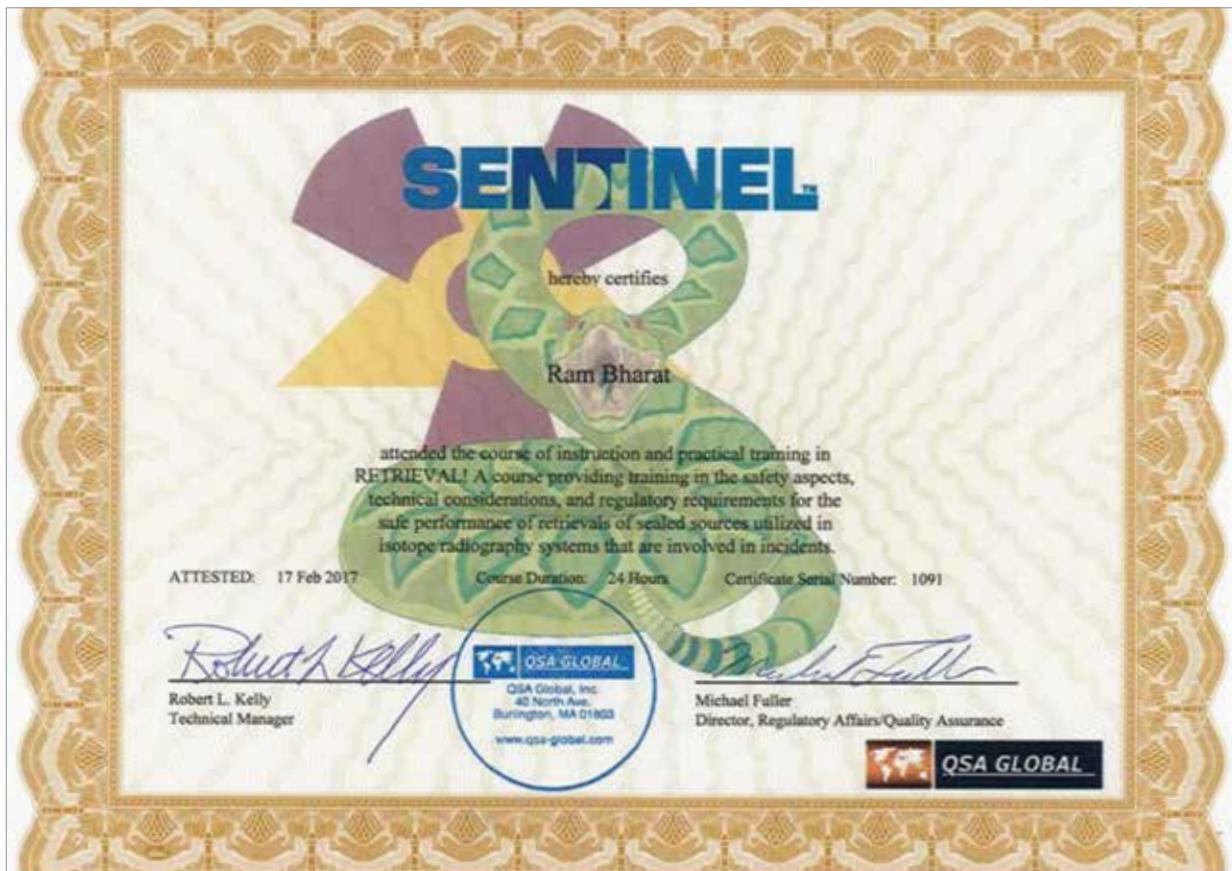
## 11. Personnel Documents



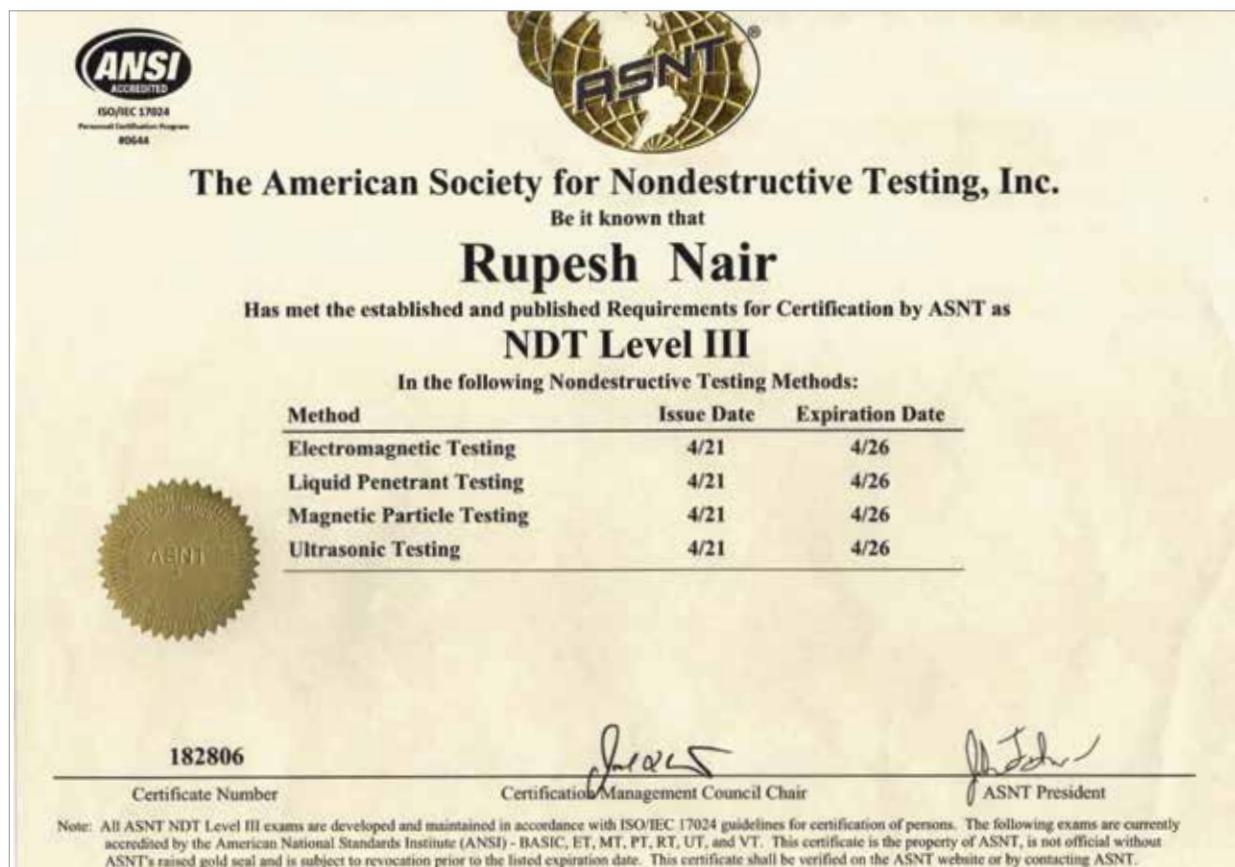
## 11. Personnel Documents



## 11. Personnel Documents



## 11. Personnel Documents



## 11. Personnel Documents



### CERTIFICATE OF QUALIFICATION

Certificate No : SOGEC/PT/5512

Certification Date: 21/07/2020

*This is to certify*

**Mr. Mosa Al Alam, ID # 5512**

has met the minimum training and experience requirements and has qualified according to the requirements of our Company's Written Practice QEA-01 for personnel Qualification and Certification based on ASNT Standard ANSI/ASNT CP-189, 2011 Edition. He is hereby certified to:

**NDT LEVEL : III**

**Method: Penetrant Testing (PT)**

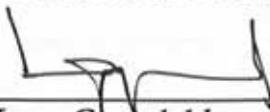
<b><i>Examination results</i></b>	
General Theory	82.50%
Specific Theory	85.00%
Practical	84.00%
Composite Grade	83.83%

<b><i>Visual Examination Results</i></b>	
Vision Acuity (Right Eye)	J1
Vision Acuity (Left Eye)	J1
Colour Vision	Normal
Shades of Grey	Normal

<b><i>Certification Validity</i></b>	
Date of Certification	21/07/2020
Certification Expiry	20/07/2025

<i>Initial Certification Reference (Applicable only for 5 year re-certification)</i>	
Initial Certification No.	PT/239/13-R1

This certificate is valid for a maximum period of 5 years and at the discretion of the employer this certificate may be extended (recertified) or revoked. This certificate shall be deemed revoked when employment is terminated.

  
**Loay Gamaleldin Saad**  
**SOGEC NDT Level III**  
**RT,UT,MT,PT & VT**  
**ASNT ID# 184049**



This certificate has been issued in continuation and as replacement to the initial certificate

## 11. Personnel Documents



### CERTIFICATE OF QUALIFICATION

Certificate No : SOGEC /UT/5512

Certification Date: 19/07/2020

*This is to certify*

**Mr. Mosa Al Alam , ID# 5512**

has met the minimum training and experience requirements and has qualified according to the requirements of our Company's Written Practice QEA-01 for personnel Qualification and Certification based on ASNT Standard ANSI/ASNT CP-189, 2011 Edition. He is hereby certified to:

**NDT LEVEL : III**

**Method: Ultrasonic Testing (UT)**

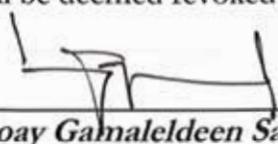
<b><i>Examination results</i></b>	
General Theory	85.00%
Specific Theory	85.00%
Practical	84.00%
Composite Grade	84.67%

<b><i>Visual Examination Results</i></b>	
Vision Acuity (Right Eye)	J1
Vision Acuity (Left Eye)	J1
Colour Vision	Normal
Shades of Grey	Normal

<b><i>Certification Validity</i></b>	
Date of Certification	19/07/2020
Certification Expiry	18/07/2025

<i>Initial Certification Reference (Applicable only for 5 year reclassification)</i>	
Initial Certification No.	UT/5512-R1

This certificate is valid for a maximum period of 5 years and at the discretion of the employer this certificate may be extended (recertified) or revoked. This certificate shall be deemed revoked when employment is terminated.

  
**Loay Gamaleldin Saad**  
**SOGEC NDT Level III**  
**RT,UT,MT,PT & VT**  
**ASNT ID# 184049**



This certificate has been issued in continuation and as replacement to the initial certificate

## 11. Personnel Documents



**SOGEC-NDT** SPECIALIZED OIL & GAS ENGINEERING CO.LTD

### CERTIFICATE OF QUALIFICATION

Certificate No : SOGEC /RTFI/5512 R2

Certification Date: 15/08/2020

*This is to certify*

**Mr. Mosa Al Alam, ID# 5512**

has met the minimum training and experience requirements and has qualified according to the requirements of our Company's Written Practice QEA-01 for personnel Qualification and Certification based on ASNT Standard ANSI/ASNT CP-189, 2011 Edition. He is hereby certified to:

#### LEVEL : II

**Method: Radiographic Film Interpretation (RTFI)**

<b>Examination results</b>	
General Theory	85.00%
Specific Theory	85.00%
Practical	84.00%
Composite Grade	84.66%

<b>Visual Examination Results</b>	
Vision Acuity (Right Eye)	J1
Vision Acuity (Left Eye)	J1
Colour Vision	Normal
Shades of Gray	Normal

<b>Certification Validity</b>	
Date of Certification	15/08/2020
Certification Expiry	14/08/2025

<i>Initial Certification Reference (Applicable only for 5 year recertification)</i>	
Initial Certification No.	RT/239/13

This certificate is valid for a maximum period of 5 years and at the discretion of the employer this certificate may be extended (recertified) or revoked. This certificate shall be deemed revoked when employment is terminated.

  
Saju Xavier  
ASNT Ref. 186000  
Saju Xavier  
NDT Level III  
Specialized Oil & Gas  
Engg. Co. (SOGEC-NDT)  
RT,UT,MT,PT,ET&ML  
ASNT ID# 186000



This certificate has been issued in continuation and as replacement to the initial certificate

## 11. Personnel Documents



**SOGEC-NDT** SPECIALIZED OIL & GAS ENGINEERING CO.LTD

### CERTIFICATE OF QUALIFICATION

Certificate No : SOGEC /RTFI/5512 R2

Certification Date: 15/08/2020

*This is to certify*

**Mr. Mosa Al Alam, ID# 5512**

has met the minimum training and experience requirements and has qualified according to the requirements of our Company's Written Practice QEA-01 for personnel Qualification and Certification based on ASNT Standard ANSI/ASNT CP-189, 2011 Edition. He is hereby certified to:

#### LEVEL : II

**Method: Radiographic Film Interpretation (RTFI)**

<b>Examination results</b>	
General Theory	85.00%
Specific Theory	85.00%
Practical	84.00%
Composite Grade	84.66%

<b>Visual Examination Results</b>	
Vision Acuity (Right Eye)	J1
Vision Acuity (Left Eye)	J1
Colour Vision	Normal
Shades of Gray	Normal

<b>Certification Validity</b>	
Date of Certification	15/08/2020
Certification Expiry	14/08/2025

<i>Initial Certification Reference (Applicable only for 5 year recertification)</i>	
Initial Certification No.	RT/239/13

This certificate is valid for a maximum period of 5 years and at the discretion of the employer this certificate may be extended (recertified) or revoked. This certificate shall be deemed revoked when employment is terminated.

  
Saju Xavier  
ASNT Ref. 186000  
Saju Xavier  
NDT Level III  
Specialized Oil & Gas  
Engg. Co. (SOGEC-NDT)  
RT,UT,MT,PT,ET&ML  
ASNT ID# 186000



This certificate has been issued in continuation and as replacement to the initial certificate

## 11. Personnel Documents

**SAUDI ARAMCO**  
**INSPECTION DEPARTMENT**  
Inspection Technical Support Division  
CNDT & PS Unit

Dhahran Bldg. 2280 R-241 Tel +966 3 872-0253 Fax +966 3 872-0633

### DOCUMENT REVIEW REPORT

Date:	08/05/2019	Ref.:	70
WBS #	10-01443-0001-090	Project Title:	Reroute Pipelines at RT Area
Document Ref.:	CRM# 4042656124	NDT company	SOGEC
Prime contract	BRANCH OF CHINA PETROLEUM PIPELINE ENGINEERING CO., LTD	This approval does not include RTFI & AUT	
<b>Comments</b>			
<p><b>Mr. Loay Gamalelddeen Saad ASNT # 184049</b> is approved as prime contactor's NDT Level III.</p> <ul style="list-style-type: none"><li>• Responsibility of the contactor's NDT Level III will be as follow:</li></ul> <p>1, Establishing, and maintaining company Written Practice for training, qualification and certification of NDT personnel.</p> <p>2, Review NDT procedures received from sub-contractors third party agencies prior to submitting for Saudi Aramco approvals.</p> <p>3, Review, approve and sign-off NDT procedures from IK &amp; OOK Vendors and sub-contractor NDT providers.</p> <p>4, Monitoring and controlling NDT activities of sub-contractor NDT companies working on this project.</p> <p><b>Note:</b> This appointment is based on satisfactory review of prime contractor letter of appointment provided confirmation for the conflict of interest clause, qualification records, ASNT NDT Level III certifications and work history in accordance with SAEP 1142 and ANSI/ASNT/CP-189.</p>			
Reviewer Name: Nasar Masood ASNT NDT Level III-99563	signature: 		
NOTE: PID/VID/PMT is responsible for defining/confirming the scope of work as per the approved design. Original copy saved			
End of Comments			

August 5, 2019

Page 1 of 1

Saudi Aramco: Company General Use

## 11. Personnel Documents



الشركة السعودية لخدمات الاعمال الكهربائية وال מכانيكية  
Saudi Services for Electro Mechanic Works Co.

Closed Joint Stock Company

شركة مساهمة مختلطة

Ref. No. 02177-0003 Date: October 23, 2019

Ref. No.: SSEM-19-826-MAS

Subject: Authorization Letter for NDT Level III (Loay Gamalelddeen Saad) for BI 10-02177-0003

To,

Loay Gamalelddeen Saad,

You are hereby authorized as NDT Level III for Saudi Services for Electro Mechanic Works Co. (SSEM) and you will be the responsible person ensuring the compliance of the same in accordance with respective technical standards & specification with Aramco requirements & company written practice.

Your responsibilities will include,

- Reviewing of Non-Destructive Testing (NDT) Procedure for Vendor/Manufacturer(s) during procurement (Manufacturing) Stage ONLY.
- Site technical support (If required) related to the same procedure ONLY.
- In the event that you are approved by Client - Saudi Aramco - you shall have no relationship, direct or indirect, with any provided NDT Services related to same Vendor/Manufacturer(s) being reviewing their procedure.

*✓* Wishing you good luck,

With Regards,

Saudi Services for Electro Mechanic Works Co.

*Moath Al-Sohaibani*  
General Manager

Received and acknowledge by:



*Loay Gamalelddeen Saad*  
NDT-Level III

Head Office	جدة، المملكة العربية السعودية	Western Region Branch	جدة، المملكة العربية السعودية	Emops Region Branch	جدة، المملكة العربية السعودية
King Saudi Road	طريق الملك سعود	Western Region Branch	جدة، المملكة العربية السعودية	Emops Region Branch	جدة، المملكة العربية السعودية
Al-Rajhi Tower, 5th Floor, P.O. Box 6341	برج الراجحي،LOOR 5, P.O. Box 6341	Al-Rajhi Center - 6th Floor	مبنى الراجحي، طابق 6	Delivery Bldg, 7th Floor	مبنى التسليم، طابق 7
Riyadh, 11542	الرياض 11542	P.O. Box 5270	منشأة بريد 5270	P.O. Box 25656	منشأة بريد 25656
T: 966-11-423318	٩٦٦-١١-٤٢٣٣١٨	T: 966-11-4371028	٩٦٦-١١-٤٣٧١٠٢٨	T: 966-11-427004/2791758	٩٦٦-١١-٤٢٧٠٠٤/٢٧٩١٧٥٨
F: 966-11-423318	٩٦٦-١١-٤٢٣٣١٨	F: 966-11-4371028	٩٦٦-١١-٤٣٧١٠٢٨	F: 966-11-427004/2791758	٩٦٦-١١-٤٢٧٠٠٤/٢٧٩١٧٥٨



## 11. Personnel Documents

**SAUDI ARAMCO**  
**INSPECTION DEPARTMENT**  
Inspection Technical Support Division  
CNDT & PS Unit

Dhahran Bldg. 2280 R-241 Tel +966 3 872-0253 Fax +966 3 872-0633

### DOCUMENT REVIEW REPORT

Date:	12/14/2020	Ref.:	109
WBS #	11-19000-9751 ,11-20000-0863 ,11-20000-0817 & various	Project Title:	SA2 -Nesma
Document Ref.:	CRM-4043393721	NDT Company	Sogec
Prime contractor	Nesma	Manufacturer	

#### Comments

1- Loay Gamaleldin Saad ASNT # 184049 approved as prime contractor's NDT Level III(UT,PT,MT,RT,VT).

- Responsibilities of the contractor's NDT Level III will be as follow:
  - 1, Establishing, and maintaining prime contractor's Written Practice for training, qualification and certification of NDT personnel.
  - 2, Training and certifying prime contractor's NDT personnel as per their WP.
  - 3, Review NDT procedures received from sub-contractors third party agencies prior to submitting for Saudi Aramco approvals.
  - 4, Review, approve NDT procedures and NDT personnel CVs from IK & OOK Vendors and sub-contractor NDT providers.
  - 5, Monitoring and controlling NDT activities of sub-contractor NDT companies working on this project.

Note: This appointment is based on satisfactory review of prime contractor's letter of appointment provided confirmation for the conflict of interest clause, qualification records, ASNT NDT Level III certifications and work history in accordance with SAEP 1142 and ANSI/ASNT CP-189, ANSI/ASNT SNT-TC-1A or ISO 9712.

The approved NDT level III shall have no relation direct or indirect contact with sub-contracted NDT service provider.

Reviewer Name:  
Turki F Alshehri  
ASNT NDT Level III-227823

signature: 

NOTE: PID/VID/PMT is responsible for defining/confirming the scope of work as per the approved design.

Original copy saved

End of Comments

## 11. Personnel Documents



# Certificate of Proficiency

***BS EN ISO 17637 Non-destructive testing of welds, visual  
testing of fusion-welded joints***

CSWIP CERT NO 356787

This is to certify that:

**Abdelaziz Elgamal**

Date of birth 8 May 1991

has demonstrated proficiency in fusion welding inspection as a Welding Inspector in accordance with the CSWIP requirements published in Document CSWIP-WI-6-92, 15th Edition April 2017 and amendments in force on the examination date.

Date of issue 2 April 2019

Date of expiry 31 January 2024

Signed

A handwritten signature in black ink, appearing to read 'Abdelaziz Elgamal'.

(For CSWIP)

SIGNATURE OF HOLDER  
(Person named above) \_\_\_\_\_ Date \_\_\_\_\_

**NEW EMPLOYERS SHOULD ALWAYS ASK TO SEE THE CERTIFICATE HOLDER'S  
TWI CERTIFICATION LTD IDENTITY CARD, AND VERIFY CERTIFICATE VALIDITY AT [WWW.CSWIP.COM](http://WWW.CSWIP.COM)**

PLEASE READ THE NOTES OVERLEAF

Photocopies are unauthorised by  
TWI Certification Ltd

Issued by:  
TWI Certification Ltd, Granta Park, Great Abington, Cambridge CB21 6AL, UK

The use of the UKAS Accreditation Mark indicates accreditation in respect of those activities covered by Accreditation Certificate No. 025.  
This certificate is the property of TWI Certification Ltd and must be surrendered on request

## 11. Personnel Documents



THE AMERICAN UNIVERSITY IN CAIRO

School of Business  
Management Center

*Certificate*  
THIS IS TO CERTIFY THAT

*Abd El-Aziz Adel Abd El-Aziz El Gamal*

has successfully completed the

*Lean Six Sigma Green Belt*

(Continuing Education Units : 4.2)

From: June 14, 2014 To: September 13, 2014

**INSTITUTE OF QUALITY MANAGEMENT**



Institute Director



October 2014

Date

Participant No. 600131763

MC 14- 0025

## 11. Personnel Documents



THE AMERICAN UNIVERSITY IN CAIRO

School of Business  
Management Center

*Certificate*  
THIS IS TO CERTIFY THAT

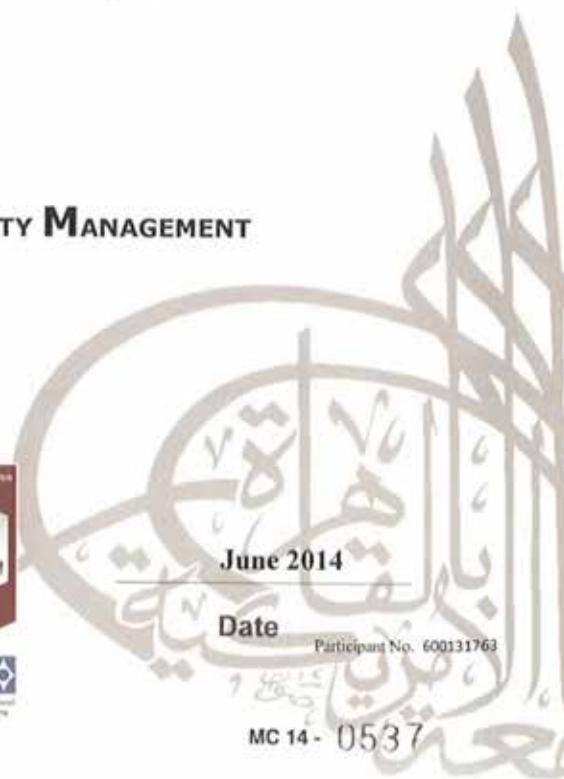
*Abdel Aziz Adel El Gamal*

has attended the following training course

*Lean Six Sigma Yellow Belt*

From: April 5, 2014 To: May 31, 2014

INSTITUTE OF QUALITY MANAGEMENT



## 11. Personnel Documents



### CERTIFICATE OF QUALIFICATION

Certificate No : SOGEC/RT/14762

Certification Date: 10/05/2022

*This is to certify*

#### Mr. Ram Bharat, ID# 14762

has met the minimum training and experience requirements and has qualified according to the requirements of our Company's Written Practice QEA-01 Issue 4 Rev 4 for personnel Qualification and Certification based on ASNT Standard ANSI/ASNT CP-189, 2020 Edition. He is hereby certified to:

#### NDT LEVEL : III

#### Method: Radiographic Testing (RT)

<b>Examination results</b>	
General Theory	NA
Specific Theory	90.00%
Practical	NA
Composite Grade	90.00%

<b>Visual Examination Results</b>	
Vision Acuity (Right Eye)	J1
Vision Acuity (Left Eye)	J1
Colour Vision	Normal
Shades of Grey	Normal

<b>Certification Validity</b>	
Date of Certification	10/05/2022
Certification Expiry	09/05/2027

<i>Initial Certification Reference (Applicable only for 5 year recertification)</i>	
Initial Certification No.	RT/E753

This certificate is valid for a maximum period of 5 years and at the discretion of the employer this certificate may be extended (recertified) or revoked. This certificate shall be deemed revoked when employment is terminated.

*Loay Gannaleldeen Saad*  
**SOGEC NDT Level III**  
**RT,UT,MT,PT & VT**  
**ASNT ID# 184049**



## 11. Personnel Documents



### CERTIFICATE OF QUALIFICATION

Certificate No : SOGEC/PT/14762

Certification Date: 08/05/2022

*This is to certify*

**Mr. Ram Bharat, ID# 14762**

has met the minimum training and experience requirements and has qualified according to the requirements of our Company's Written Practice QEA-01 Issue 4 Rev 4 for personnel Qualification and Certification based on ASNT Standard ANSI/ASNT CP-189, 2020 Edition. He is hereby certified to:

**NDT LEVEL : III**

**Method: Penetrant Testing (PT)**

<b><i>Examination results</i></b>	
<i>General Theory</i>	<b>NA</b>
<i>Specific Theory</i>	<b>93.33%</b>
<i>Practical</i>	<b>NA</b>
<i>Composite Grade</i>	<b>93.33%</b>

<b><i>Visual Examination Results</i></b>	
<i>Vision Acuity (Right Eye)</i>	<b>J1</b>
<i>Vision Acuity (Left Eye)</i>	<b>J1</b>
<i>Colour Vision</i>	<b>Normal</b>
<i>Shades of Grey</i>	<b>Normal</b>

<b><i>Certification Validity</i></b>	
<i>Date of Certification</i>	<b>08/05/2022</b>
<i>Certification Expiry</i>	<b>07/05/2027</b>

<i>Initial Certification Reference</i> (Applicable only for 5 year re-certification)	
<i>Initial Certification No.</i>	<b>PT/E753 R1</b>

This certificate is valid for a maximum period of 5 years and at the discretion of the employer this certificate may be extended (recertified) or revoked. This certificate shall be deemed revoked when employment is terminated.

  
**Loay Gamaleldin Saad**  
**SOGEC NDT Level III**  
**RT,UT,MT,PT & VT**  
**ASNT ID# 184049**



## 11. Personnel Documents



### CERTIFICATE OF QUALIFICATION

Certificate No : SOGEC/MT/14762

Certification Date: 09/05/2022

*This is to certify*

#### Mr. Ram Bharat, ID# 14762

has met the minimum training and experience requirements and has qualified according to the requirements of our Company's Written Practice QEA-01 Issue 4 Rev 4 for personnel Qualification and Certification based on ASNT Standard ANSI/ASNT CP-189, 2020 Edition. He is hereby certified to:

#### NDT LEVEL : III

#### Method: Magnetic Particle Testing (MT)

<b>Examination results</b>	
General Theory	<b>NA</b>
Specific Theory	<b>93.33%</b>
Practical	<b>NA</b>
Composite Grade	<b>93.33%</b>

<b>Visual Examination Results</b>	
Vision Acuity (Right Eye)	<b>J1</b>
Vision Acuity (Left Eye)	<b>J1</b>
Colour Vision	<b>Normal</b>
Shades of Grey	<b>Normal</b>

<b>Certification Validity</b>	
Date of Certification	<b>09/05/2022</b>
Certification Expiry	<b>08/05/2027</b>

<i>Initial Certification Reference (Applicable only for 5 year recertification)</i>	
Initial Certification No.	<b>MT/E753 R1</b>

This certificate is valid for a maximum period of 5 years and at the discretion of the employer this certificate may be extended (recertified) or revoked. This certificate shall be deemed revoked when employment is terminated.

  
**Loay Gamalelddeen Saad**  
**SOGEC NDT Level III**  
**RT,UT,MT,PT & VT**  
**ASNT ID# 184049**

  
ASNT Ref. 184049  
Loay G. S.  
NDT Level III  
Specialized Oil & Gas  
Engg. Co. (SOGEC-NDT)  
BLULM/5/17



## 11. Personnel Documents



### CERTIFICATE OF QUALIFICATION

Certificate No : SOGEC/UT/14762

Certification Date: 11/05/2022

*This is to certify*

**Mr. Ram Bharat, ID# 14762**

has met the minimum training and experience requirements and has qualified according to the requirements of our Company's Written Practice QEA-01 Issue 4 Rev 4 for personnel Qualification and Certification based on ASNT Standard ANSI/ASNT CP-189, 2020 Edition. He is hereby certified to:

**NDT LEVEL : III**

**Method: Ultrasonic Testing (UT)**

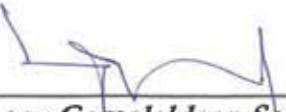
<b><i>Examination results</i></b>	
General Theory	NA
Specific Theory	90.00%
Practical	NA
Composite Grade	90.00%

<b><i>Visual Examination Results</i></b>	
Vision Acuity (Right Eye)	J1
Vision Acuity (Left Eye)	J1
Colour Vision	Normal
Shades of Grey	Normal

<b><i>Certification Validity</i></b>	
Date of Certification	11/05/2022
Certification Expiry	10/05/2027

<i>Initial Certification Reference (Applicable only for 5 year recertification)</i>	
Initial Certification No.	UT/E753 R1

This certificate is valid for a maximum period of 5 years and at the discretion of the employer this certificate may be extended (recertified) or revoked. This certificate shall be deemed revoked when employment is terminated.

  
**Loay Gamaledeen Saad**  
**SOGEC NDT Level III**  
**RT,UT,MT,PT & VT**  
**ASNT ID# 184049**



## 11. Personnel Documents

	SPECIALIZED OIL & GAS ENGINEERING CO.LTD	SOGEC-TF-015
	CERTIFICATE OF EYE TEST	Issue :1
		Rev : 0

This is to confirm that the individual named below has undergone an eye test in accordance with the requirements of SOGEC-NDT written practice QEA -01 in compliance with ASNT standard ANSI/ASNT CP-189, 2016 Edition.

Name: Mr Ram Bharath

Certification File Number: 14762

Test Description	Test Results	
<b>Near Vision Acuity</b> Ability to read Jaeger Number 1 (J1) type and size letter at a distance of not less than 12 inches to assure natural or corrected vision acuity in at least one eye.	<input checked="" type="checkbox"/> PASS	<input type="checkbox"/> FAIL
<b>Color Vision</b> Ability to differentiate colors in Ishihara Test plates 1-7	<input checked="" type="checkbox"/> PASS	<input type="checkbox"/> FAIL
<b>Shades of Gray</b>	<input checked="" type="checkbox"/> PASS	<input type="checkbox"/> FAIL
<b>Test Condition</b>	<input type="checkbox"/> UN CORRECTED	<input checked="" type="checkbox"/> CORRECTED

Date of test: 23/01/2023

Date of Expiry: 22/01/2024

Examined By:

Name & Title: Sivaprasad Nair, NDT Instructor

Signature: 



## 11. Personnel Documents

SPECIALIZED OIL & GAS ENGINEERING CO. LTD  
C.R. 2050045985 Membership No. 49467 Capital S.R. 1,250,000  
Cathodic Protection, Non-Destructive Testing & Heat Treatment Division



الشركة المميزة لأعمال البترول والغاز ذ.م.م  
رقم المضبوطة ٤٩٤٦٧ - رقم التسجيل ٤٥٩٨٥  
من ١,٢٥٠,٠٠٠ دينار سوري - من ٢٠٠٠-٤٥٩٨٥  
قسم التحفظ الكاتودي، والفحوصات الغير إتلافية والمعالجة الحرارية

Ref : Appt-2302-01/23  
Date: 23-Feb-2023

### APPOINTMENT OF NDT LEVEL-III

I do hereby appointment Mr. Rupesh Nair as company NDT level III in the following NDT methods in accordance with SOGEC written practice QEA-01, meeting requirements of ASNT-CP189 & ASNT-SNT-TC-1A, 2020 edition.

1. Magnetic Particle Testing
2. Liquid Penetrant Testing
3. Electromagnetic Testing
4. Ultrasonic Testing

Mr. Rupesh Nair is responsible for the Level III job functions as detailed in SOGEC written practice QEA-01.

This appointment is based on the review of his current ASNT Level III certifications (ASNT Ref #182806) and a successful completion of specific examinations in the applicable methods.

The practical examination has been waived based on documented experience including preparation and review of procedures.

This appointment is valid for a period of 5 years from this date subject to validity of Mr. Rupesh Nair's ASNT NDT Level III Certification.

Appointed By:

Waleed Rajab  
General Manager  
SOGEC-NDT

Accepted By:

Rupesh Nair  
ASNT NDT Level III  
(UT, MT, PT, ET)

[www.kcg.cc](http://www.kcg.cc)

الملكة العربية السعودية - ٢١٤٥٢ - الدمام - ب. ٦٨٩٧  
هاتف: ٩٦٦-١٣-٨١٢٣٧٧٧ - فاكس: ٩٦٦-١٣-٨١٢٤٨٤٩  
P. O. Box 6897 - Dammam 31452 - Saudi Arabia  
Tel.: +966-13-892 3777 - Fax +966-13-814 4849  
E-mail: [sogeccp.dammam@ikkgroup.com](mailto:sogeccp.dammam@ikkgroup.com) / [sogecndt.dammam@ikkgroup.com](mailto:sogecndt.dammam@ikkgroup.com)



[www.ikk-group.com](http://www.ikk-group.com)



## 11. Personnel Documents



### CERTIFICATE OF QUALIFICATION

Certificate No : SOGEC /ET/25835

Certification Date: 20/02/2023

*This is to certify*

**Mr. Rupesh Nair, ID# 25835**

has met the minimum training and experience requirements and has qualified according to the requirements of our Company's Written Practice QEA-01 Issue 4 Rev 4 for personnel Qualification and Certification based on ASNT Standard ANSI/ASNT CP-189, 2020 Edition. He is hereby certified to:

**NDT LEVEL : III**

**Method: Eddy Current Testing (ET)**

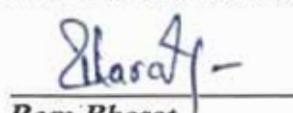
<b><i>Examination results</i></b>	
General Theory	<b>NA</b>
Specific Theory	<b>93.3 %</b>
Practical	<b>NA</b>
Composite Grade	<b>93.3%</b>

<b><i>Visual Examination Results</i></b>	
Vision Acuity (Right Eye)	<b>J1</b>
Vision Acuity (Left Eye)	<b>J1</b>
Colour Vision	<b>Normal</b>
Shades of Grey	<b>Normal</b>

<b><i>Certification Validity</i></b>	
Date of Certification	<b>20/02/2023</b>
Certification Expiry	<b>19/02/2028</b>

<i>Initial Certification Reference (Applicable only for 5 year recertification)</i>	
Initial Certification No.	<b>NA</b>

This certificate is valid for a maximum period of 5 years and at the discretion of the employer this certificate may be extended (recertified) or revoked. This certificate shall be deemed revoked when employment is terminated.

  
**Ram Bharat**  
**SOGEC NDT Level III**  
**RT,UT,MT,PT,VT & ET**  
**ASNT ID# 231860**



## 11. Personnel Documents



### CERTIFICATE OF QUALIFICATION

Certificate No : SOGEC/UT/25835

Certification Date: 20/02/2023

*This is to certify*

**Mr. Rupesh Nair, ID# 25835**

has met the minimum training and experience requirements and has qualified according to the requirements of our Company's Written Practice QEA-01 Issue 4 Rev 4 for personnel Qualification and Certification based on ASNT Standard ANSI/ASNT CP-189, 2020 Edition. He is hereby certified to:

**NDT LEVEL : III**

**Method: Ultrasonic Testing (UT)**

<b><i>Examination results</i></b>	
General Theory	<b>NA</b>
Specific Theory	<b>83.3 %</b>
Practical	<b>NA</b>
Composite Grade	<b>83.3%</b>

<b><i>Visual Examination Results</i></b>	
Vision Acuity (Right Eye)	<b>J1</b>
Vision Acuity (Left Eye)	<b>J1</b>
Colour Vision	<b>Normal</b>
Shades of Grey	<b>Normal</b>

<b><i>Certification Validity</i></b>	
Date of Certification	<b>20/02/2023</b>
Certification Expiry	<b>19/02/2028</b>

<b><i>Initial Certification Reference (Applicable only for 5 year recertification)</i></b>	
Initial Certification No.	<b>NA</b>

This certificate is valid for a maximum period of 5 years and at the discretion of the employer this certificate may be extended (recertified) or revoked. This certificate shall be deemed revoked when employment is terminated.

  
**Loay Gamaledeen Saad**  
**SOGEC NDT Level III**  
**RT,UT,MT,PT&VT**  
**ASNT ID# 184049**



## 11. Personnel Documents



### CERTIFICATE OF QUALIFICATION

Certificate No : SOGEC/MT/25835

Certification Date: 20/02/2023

*This is to certify*

**Mr. Rupesh Nair, ID# 25835**

has met the minimum training and experience requirements and has qualified according to the requirements of our Company's Written Practice QEA-01 Issue 4 Rev 4 for personnel Qualification and Certification based on ASNT Standard ANSI/ASNT CP-189, 2020 Edition. He is hereby certified to:

**NDT LEVEL : III**

**Method: Magnetic Particle Testing (MT)**

<b><i>Examination results</i></b>	
General Theory	NA
Specific Theory	93.3 %
Practical	NA
Composite Grade	93.3%

<b><i>Visual Examination Results</i></b>	
Vision Acuity (Right Eye)	J1
Vision Acuity (Left Eye)	J1
Colour Vision	Normal
Shades of Grey	Normal

<b><i>Certification Validity</i></b>	
Date of Certification	20/02/2023
Certification Expiry	19/02/2028

<i>Initial Certification Reference (Applicable only for 5 year recertification)</i>	
Initial Certification No.	NA

This certificate is valid for a maximum period of 5 years and at the discretion of the employer this certificate may be extended (recertified) or revoked. This certificate shall be deemed revoked when employment is terminated.

*Loay Gamalelddeen Saad*  
**SOGEC NDT Level III**  
**RT,UT,MT,PT&VT**  
**ASNT ID# 184049**



## 11. Personnel Documents



### CERTIFICATE OF QUALIFICATION

Certificate No : SOGEC/PT/25835

Certification Date: 20/02/2023

*This is to certify*

**Mr. Rupesh Nair, ID# 25835**

has met the minimum training and experience requirements and has qualified according to the requirements of our Company's Written Practice QEA-01 Issue 4 Rev 4 for personnel Qualification and Certification based on ASNT Standard ANSI/ASNT CP-189, 2020 Edition. He is hereby certified to:

**NDT LEVEL : III**

**Method: Penetrant Testing (PT)**

<b><i>Examination results</i></b>	
General Theory	NA
Specific Theory	86.6 %
Practical	NA
Composite Grade	86.6%

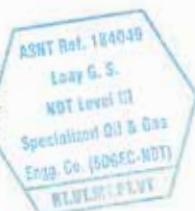
<b><i>Visual Examination Results</i></b>	
Vision Acuity (Right Eye)	J1
Vision Acuity (Left Eye)	J1
Colour Vision	Normal
Shades of Grey	Normal

<b><i>Certification Validity</i></b>	
Date of Certification	20/02/2023
Certification Expiry	19/02/2028

<i>Initial Certification Reference (Applicable only for 5 year recertification)</i>	
Initial Certification No.	NA

This certificate is valid for a maximum period of 5 years and at the discretion of the employer this certificate may be extended (recertified) or revoked. This certificate shall be deemed revoked when employment is terminated.

*Loay Gannaledeen Saad*  
SOGEC NDT Level III  
RT,UT,MT,PT&VT  
ASNT ID# 184049



## 11. Personnel Documents

	SPECIALIZED OIL & GAS ENGINEERING CO.LTD	SOGEC-TF-015
	CERTIFICATE OF EYE TEST	Issue :1
		Rev :0

This is to confirm that the individual named below has undergone an eye test in accordance with the requirements of SOGEC-NDT written practice QEA -01 in compliance with ASNT standard ANSI/ASNT CP-189, 2016 Edition.

Name: Mr. Rupesh Nair

Certification File Number: 25835

Test Description	Test Results
<b>Near Vision Acuity</b> Ability to read Jaeger Number 1 (J1) type and size letter at a distance of not less than 12 inches to assure natural or corrected vision acuity in at least one eye.	<input checked="" type="checkbox"/> PASS <input type="checkbox"/> FAIL
<b>Color Vision</b> Ability to differentiate colors in Ishihara Test plates 1-7	<input checked="" type="checkbox"/> PASS <input type="checkbox"/> FAIL
<b>Shades of Gray</b>	<input checked="" type="checkbox"/> PASS <input type="checkbox"/> FAIL
<b>Test Condition</b>	<input type="checkbox"/> UN CORRECTED <input checked="" type="checkbox"/> CORRECTED

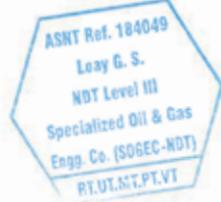
Date of test: 19/02/2023

Date of Expiry: 18/02/2024

Examined By:

Name & Title: Loay Gamalelddeen, NDT Level III

Signature: 



## 11. Personnel Documents

### 11.5. RTFI Cards

**SAUDI ARAMCO**  
INSPECTION  
DEPARTMENT VERIFIES

**771** Doctor Babu **2453951275**

satisfactorily met the Saudi Aramco requirements to perform the nondestructive testing method(s) specified on the reverse side.

*Hani AKI*  
ASNT Level III # 168898

Supervisor, CNDT&PS Unit, ID

**METHOD** **Level** **Expiry Date** **771**

<input type="checkbox"/> Radiography			
<input type="checkbox"/> Mag. Particle			
<input type="checkbox"/> Ultrasonic			
<input type="checkbox"/> Penetrant			
<input checked="" type="checkbox"/> RTFI	2198	II	1/12/2026
<input type="checkbox"/> Visual			
<input type="checkbox"/> MFL			
<input type="checkbox"/> Other			

\* This card is to be used only for Operations

**SAUDI ARAMCO**  
INSPECTION  
DEPARTMENT VERIFIES

**591** Kalith Abdul Majeeth **2314860954**

satisfactorily met the Saudi Aramco requirements to perform the nondestructive testing method(s) specified on the reverse side.

*ASNT Level III # 168898*

Supervisor, CNDT&PS Unit, ID

**METHOD** **Level** **Expiry Date** **591**

<input checked="" type="checkbox"/> Radiography	II	1/13/2024	
<input type="checkbox"/> Mag. Particle			
<input type="checkbox"/> Ultrasonic			
<input type="checkbox"/> Penetrant			
<input checked="" type="checkbox"/> RTFI	2214	II	12/14/2026
<input type="checkbox"/> Visual			
<input type="checkbox"/> MFL			
<input type="checkbox"/> Other			

\* This card is to be used only for Operations

**SAUDI ARAMCO**  
INSPECTION  
DEPARTMENT VERIFIES

**607** Salah Elsayed **2230373553**

satisfactorily met the Saudi Aramco requirements to perform the nondestructive testing method(s) specified on the reverse side.

*Shmt 5/7/19*  
ASNT Level III # 135155

Supervisor, CNDT&PS Unit, ID

**METHOD** **Level** **Expiry Date** **607**

<input type="checkbox"/> Radiography			
<input type="checkbox"/> Mag. Particle			
<input type="checkbox"/> Ultrasonic			
<input type="checkbox"/> Penetrant			
<input checked="" type="checkbox"/> RTFI	1881	II	4/7/2024
<input type="checkbox"/> Visual			
<input type="checkbox"/> MFL			
<input type="checkbox"/> Other			

\* This card is to be used only for Operations

**SAUDI ARAMCO**  
INSPECTION  
DEPARTMENT VERIFIES

**655** Mohammad Ilyam **2311496273**

satisfactorily met the Saudi Aramco requirements to perform the nondestructive testing method(s) specified on the reverse side.

*ASNT Level III # 168898*

Supervisor, CNDT&PS Unit, ID

**METHOD** **Level** **Expiry Date** **655**

<input checked="" type="checkbox"/> Radiography	II	12/11/2023	
<input type="checkbox"/> Mag. Particle			
<input type="checkbox"/> Ultrasonic			
<input type="checkbox"/> Penetrant			
<input checked="" type="checkbox"/> RTFI	2186	II	12/29/2024
<input type="checkbox"/> Visual			
<input type="checkbox"/> MFL			
<input type="checkbox"/> Other			

\* This card is to be used only for Operations

## 11. Personnel Documents

**SAUDI ARAMCO**  
INSPECTION  
DEPARTMENT VERIFIES

**559** Mohd. Al-Shammary | 10552303316

satisfactorily met the Saudi Aramco requirements to perform the nondestructive testing method(s) specified on the reverse side.

*[Signature]*  
ASNT Level III # 168898

Supervisor, CNDT&PS Unit, ID

**METHOD**      **Level**      **Expiry Date**      **559**

<input checked="" type="checkbox"/> Radiography	II	11/13/2023	
<input type="checkbox"/> Mag. Particle			
<input type="checkbox"/> Ultrasonic			
<input type="checkbox"/> Penetrant			
<input checked="" type="checkbox"/> RTFI	2198	II	12/15/2026
<input type="checkbox"/> Visual			
<input type="checkbox"/> MFL			
<input type="checkbox"/> Other			

\* This card is to be used only for Operations

**SAUDI ARAMCO**  
INSPECTION  
DEPARTMENT VERIFIES

**731** Anish Kumar | 2373509584

satisfactorily met the Saudi Aramco requirements to perform the nondestructive testing method(s) specified on the reverse side.

*[Signature]*  
ASNT Level III # 168898

Supervisor, CNDT&PS Unit, ID

**METHOD**      **Level**      **Expiry Date**      **731**

<input checked="" type="checkbox"/> Radiography	II	12/29/2024	
<input type="checkbox"/> Mag. Particle			
<input type="checkbox"/> Ultrasonic			
<input type="checkbox"/> Penetrant			
<input checked="" type="checkbox"/> RTFI	2212	II	10/17/2026
<input type="checkbox"/> Visual			
<input type="checkbox"/> MFL			
<input type="checkbox"/> Other			

\* This card is to be used only for Operations

**SAUDI ARAMCO**  
INSPECTION  
DEPARTMENT VERIFIES

**241** Johnson Cherian J. | 2306738283

satisfactorily met the Saudi Aramco requirements to perform the nondestructive testing method(s) specified on the reverse side.

*[Signature]*  
ASNT Level III # 168898

Supervisor, CNDT&PS Unit, ID

**METHOD**      **Level**      **Expiry Date**      **241**

<input type="checkbox"/> Radiography			
<input type="checkbox"/> Mag. Particle			
<input type="checkbox"/> Ultrasonic			
<input type="checkbox"/> Penetrant			
<input checked="" type="checkbox"/> RTFI	1738	II	6/14/2026
<input type="checkbox"/> Visual			
<input type="checkbox"/> MFL			
<input type="checkbox"/> Other			

\* This card is to be used only for Operations

**SAUDI ARAMCO**  
INSPECTION  
DEPARTMENT VERIFIES

**33** Mohamed Ashif | 2336976051

satisfactorily met the Saudi Aramco requirements to perform the nondestructive testing method(s) specified on the reverse side.

*[Signature]*  
ASNT Level III # 168898

Supervisor, CNDT&PS Unit, ID

**METHOD**      **Level**      **Expiry Date**      **33**

<input checked="" type="checkbox"/> Radiography	II	3/14/2027	
<input type="checkbox"/> Mag. Particle			
<input checked="" type="checkbox"/> Ultrasonic	II	2/2/2025	
<input type="checkbox"/> Penetrant			
<input checked="" type="checkbox"/> RTFI	2229	II	4/26/2027
<input type="checkbox"/> Visual			
<input type="checkbox"/> MFL			
<input type="checkbox"/> Other			

\* This card is to be used only for Operations

## 11. Personnel Documents

**SAUDI ARAMCO**  
INSPECTION  
DEPARTMENT VERIFIES

**797** Jaburullah Mohammed 2331450136

satisfactorily met the Saudi Aramco requirements to perform the nondestructive testing method(s) specified on the reverse side.

*Mari* ASNT Level III # 168898

Supervisor, CNDT&PS Unit, ID

METHOD	Level	Expiry Date
<input checked="" type="checkbox"/> Radiography	II	3/8/2026
<input type="checkbox"/> Mag. Particle		
<input type="checkbox"/> Ultrasonic		
<input type="checkbox"/> Penetrant		
<input checked="" type="checkbox"/> RTFI	2203	II
<input type="checkbox"/> Visual		
<input type="checkbox"/> MFL		
<input type="checkbox"/> Other		

\* This card is to be used only for Operations

**SAUDI ARAMCO**  
INSPECTION  
DEPARTMENT VERIFIES

**240** Sanal Krishnan 2273035218

satisfactorily met the Saudi Aramco requirements to perform the nondestructive testing method(s) specified on the reverse side.

*Mari* ASNT Level III # 168898

Supervisor, CNDT&PS Unit, ID

METHOD	Level	Expiry Date
<input checked="" type="checkbox"/> Radiography	II	3/23/2026
<input type="checkbox"/> Mag. Particle		
<input type="checkbox"/> Ultrasonic		
<input type="checkbox"/> Penetrant		
<input checked="" type="checkbox"/> RTFI	1902	II
<input type="checkbox"/> Visual		
<input type="checkbox"/> MFL		
<input type="checkbox"/> Other		

\* This card is to be used only for Operations

**SAUDI ARAMCO**  
INSPECTION  
DEPARTMENT VERIFIES

**484** Biju Mathew 2199261476

satisfactorily met the Saudi Aramco requirements to perform the nondestructive testing method(s) specified on the reverse side.

*Mari* ASNT Level III # 157112

Supervisor, CNDT&PS Unit, ID

METHOD	Level	Expiry Date
<input checked="" type="checkbox"/> Radiography	II	3/22/2027
<input type="checkbox"/> Mag. Particle		
<input type="checkbox"/> Ultrasonic		
<input type="checkbox"/> Penetrant		
<input checked="" type="checkbox"/> RTFI	2192	II
<input type="checkbox"/> Visual		
<input type="checkbox"/> MFL		
<input type="checkbox"/> Other		

\* This card is to be used only for Operations

**SAUDI ARAMCO**  
INSPECTION  
DEPARTMENT VERIFIES

**266** Nagarajan S. 2293336729

satisfactorily met the Saudi Aramco requirements to perform the nondestructive testing method(s) specified on the reverse side.

*Mari* ASNT Level III # 168898

Supervisor, CNDT&PS Unit, ID

METHOD	Level	Expiry Date
<input type="checkbox"/> Radiography		
<input type="checkbox"/> Mag. Particle		
<input type="checkbox"/> Ultrasonic		
<input type="checkbox"/> Penetrant		
<input checked="" type="checkbox"/> RTFI	2066	II
<input type="checkbox"/> Visual		
<input type="checkbox"/> MFL		
<input type="checkbox"/> Other		

\* This card is to be used only for Operations

## 11. Personnel Documents

**SAUDI ARAMCO**  
INSPECTION  
DEPARTMENT VERIFIES

**485** AKM Majidul Haque **2422929196**

satisfactorily met the Saudi Aramco requirements to perform the nondestructive testing method(s) specified on the reverse side.

ASNT Level III # 157112

Supervisor, CNDT&PS Unit, ID

**METHOD** **Level** **Expiry Date** **485**

<input checked="" type="checkbox"/> Radiography	II	8/17/2027
<input type="checkbox"/> Mag. Particle		
<input type="checkbox"/> Ultrasonic		
<input type="checkbox"/> Penetrant		
<input type="checkbox"/> RTFI		
<input type="checkbox"/> Visual		
<input type="checkbox"/> MFL		
<input type="checkbox"/> Other		

\* This card is to be used only for Operations

**SAUDI ARAMCO**  
INSPECTION  
DEPARTMENT VERIFIES

**746** Yaser Ramadan **2239051499**

satisfactorily met the Saudi Aramco requirements to perform the nondestructive testing method(s) specified on the reverse side.

ASNT Level III # 168898

Supervisor, CNDT&PS Unit, ID

**METHOD** **Level** **Expiry Date** **746**

<input type="checkbox"/> Radiography		
<input type="checkbox"/> Mag. Particle		
<input type="checkbox"/> Ultrasonic		
<input type="checkbox"/> Penetrant		
<input checked="" type="checkbox"/> RTFI	2087	II
<input type="checkbox"/> Visual		
<input type="checkbox"/> MFL		
<input type="checkbox"/> Other		

\* This card is to be used only for Projects

**SAUDI ARAMCO**  
INSPECTION  
DEPARTMENT VERIFIES

**533** Abdulrasheed Kunju **2440236111**

satisfactorily met the Saudi Aramco requirements to perform the nondestructive testing method(s) specified on the reverse side.

ASNT Level III # 168898

Supervisor, CNDT&PS Unit, ID

**METHOD** **Level** **Expiry Date** **533**

<input checked="" type="checkbox"/> Radiography	II	5/15/2023
<input type="checkbox"/> Mag. Particle		
<input type="checkbox"/> Ultrasonic		
<input type="checkbox"/> Penetrant		
<input checked="" type="checkbox"/> RTFI	2209	II
<input type="checkbox"/> Visual		
<input type="checkbox"/> MFL		
<input type="checkbox"/> Other		

\* This card is to be used only for Operations

**SAUDI ARAMCO**  
INSPECTION  
DEPARTMENT VERIFIES

**149** Jose Babu **2455968533**

satisfactorily met the Saudi Aramco requirements to perform the nondestructive testing method(s) specified on the reverse side.

ASNT Level III # 168898

Supervisor, CNDT&PS Unit, ID

**METHOD** **Level** **Expiry Date** **149**

<input checked="" type="checkbox"/> Radiography	II	3/9/2026
<input type="checkbox"/> Mag. Particle		
<input type="checkbox"/> Ultrasonic		
<input type="checkbox"/> Penetrant		
<input checked="" type="checkbox"/> RTFI	2213	II
<input type="checkbox"/> Visual		
<input type="checkbox"/> MFL		
<input type="checkbox"/> Other		

\* This card is to be used only for Operations

## 11. Personnel Documents

**SAUDI ARAMCO**  
INSPECTION  
DEPARTMENT VERIFIES

**1166** Jai Prakash Bharati 2432661482

satisfactorily met the Saudi Aramco requirements to perform the nondestructive testing method(s) specified on the reverse side.

*ASNT Level III # 168898*

Supervisor, NDTTSU Unit, ID

**METHOD** **Level** **Expiry Date** **1166**

Radiography      II      6/16/2027  
 Mag. Particle  
 Ultrasonic  
 Penetrant  
 RTFI  
 Visual  
 MFL  
 Other

\* This card is to be used only for Operations

**SAUDI ARAMCO**  
INSPECTION  
DEPARTMENT VERIFIES

**1139** Rajesh Lama Gole 2513870374

satisfactorily met the Saudi Aramco requirements to perform the nondestructive testing method(s) specified on the reverse side.

*ASNT Level III # 168898*

Supervisor, CNDT&PS Unit, ID

**METHOD** **Level** **Expiry Date** **1139**

Radiography      II      8/10/2028  
 Mag. Particle  
 Ultrasonic  
 Penetrant  
 RTFI  
 Visual  
 MFL  
 Other

\* This card is to be used only for Operations

**SAUDI ARAMCO**  
INSPECTION  
DEPARTMENT VERIFIES

**921** Pradip Gurung 2514237573

satisfactorily met the Saudi Aramco requirements to perform the nondestructive testing method(s) specified on the reverse side.

*ASNT Level III # 168898*

Supervisor, CNDT&PS Unit, ID

**METHOD** **Level** **Expiry Date** **921**

Radiography      II      7/3/2027  
 Mag. Particle  
 Ultrasonic  
 Penetrant  
 RTFI  
 Visual  
 MFL  
 Other

\* This card is to be used only for Operations

**SAUDI ARAMCO**  
INSPECTION  
DEPARTMENT VERIFIES

**895** Mohammed T. Al-Zrai 1093131348

satisfactorily met the Saudi Aramco requirements to perform the nondestructive testing method(s) specified on the reverse side.

*ASNT Level III # 157112*

Supervisor, CNDT&PS Unit, ID

**METHOD** **Level** **Expiry Date** **895**

Radiography      II      4/5/2026  
 Mag. Particle  
 Ultrasonic  
 Penetrant  
 RTFI  
 Visual  
 MFL  
 Other

\* This card is to be used only for Operations

## 11. Personnel Documents

**SAUDI ARAMCO**  
INSPECTION  
DEPARTMENT VERIFIES

**1021** **Shiv Kumar Mandal** **2513870705**

satisfactorily met the Saudi Aramco requirements to perform the nondestructive testing method(s) specified on the reverse side.

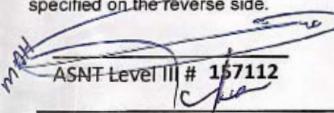
ASNT Level III # 157112

Supervisor, CNDT&PS Unit, ID

**METHOD** **Level** **Expiry Date**

<input checked="" type="checkbox"/> Radiography	II	7/4/2027
<input type="checkbox"/> Mag. Particle		
<input type="checkbox"/> Ultrasonic		
<input type="checkbox"/> Penetrant		
<input type="checkbox"/> RTFI		
<input type="checkbox"/> Visual		
<input type="checkbox"/> MFL		
<input type="checkbox"/> Other		

\* This card is to be used only for Operations





**SOGEC**

**SAUDI ARAMCO**  
INSPECTION  
DEPARTMENT VERIFIES

**995** **Sunil Thapa** **2514180817**

satisfactorily met the Saudi Aramco requirements to perform the nondestructive testing method(s) specified on the reverse side.

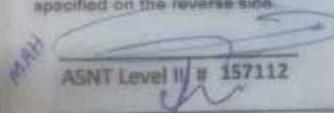
ASNT Level III # 157112

Supervisor, CNDT&PS Unit, ID

**METHOD** **Level** **Expiry Date**

<input checked="" type="checkbox"/> Radiography	II	7/27/2027
<input type="checkbox"/> Mag. Particle		
<input type="checkbox"/> Ultrasonic		
<input type="checkbox"/> Penetrant		
<input type="checkbox"/> RTFI		
<input type="checkbox"/> Visual		
<input type="checkbox"/> MFL		
<input type="checkbox"/> Other		

\* This card is to be used only for Operations





**SOGEC**

**SAUDI ARAMCO**  
INSPECTION  
DEPARTMENT VERIFIES

**1022** **Yashu Kunwar** **2514180534**

satisfactorily met the Saudi Aramco requirements to perform the nondestructive testing method(s) specified on the reverse side.

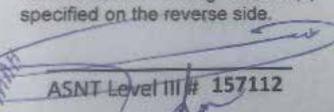
ASNT Level III # 157112

Supervisor, CNDT&PS Unit, ID

**METHOD** **Level** **Expiry Date**

<input checked="" type="checkbox"/> Radiography	II	7/4/2027
<input type="checkbox"/> Mag. Particle		
<input type="checkbox"/> Ultrasonic		
<input type="checkbox"/> Penetrant		
<input type="checkbox"/> RTFI		
<input type="checkbox"/> Visual		
<input type="checkbox"/> MFL		
<input type="checkbox"/> Other		

\* This card is to be used only for Operations





**SOGEC**

**SAUDI ARAMCO**  
INSPECTION  
DEPARTMENT VERIFIES

**1070** **Binod Uparkoti** **2518608456**

satisfactorily met the Saudi Aramco requirements to perform the nondestructive testing method(s) specified on the reverse side.

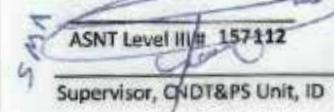
ASNT Level III # 157112

Supervisor, CNDT&PS Unit, ID

**METHOD** **Level** **Expiry Date**

<input checked="" type="checkbox"/> Radiography	II	11/16/2027
<input type="checkbox"/> Mag. Particle		
<input type="checkbox"/> Ultrasonic		
<input type="checkbox"/> Penetrant		
<input type="checkbox"/> RTFI		
<input type="checkbox"/> Visual		
<input type="checkbox"/> MFL		
<input type="checkbox"/> Other		

\* This card is to be used only for Operations





**SOGEC**

## 11. Personnel Documents

**SAUDI ARAMCO**  
INSPECTION  
DEPARTMENT VERIFIES

**389** Sundara Mahalingam 2262408467

satisfactorily met the Saudi Aramco requirements to perform the nondestructive testing method(s) specified on the reverse side.

*SMA*  
ASNT Level III # 157112

Supervisor, CNDT&PS Unit, ID

METHOD	Level	Expiry Date
<input checked="" type="checkbox"/> Radiography	II	10/12/2026
<input type="checkbox"/> Mag. Particle		
<input type="checkbox"/> Ultrasonic		
<input type="checkbox"/> Penetrant		
<input type="checkbox"/> RTFI		
<input type="checkbox"/> Visual		
<input type="checkbox"/> MFL		
<input type="checkbox"/> Other		

\* This card is to be used only for Operations

**SAUDI ARAMCO**  
INSPECTION  
DEPARTMENT VERIFIES

**1071** Satty Bisunkhe 2513870820

satisfactorily met the Saudi Aramco requirements to perform the nondestructive testing method(s) specified on the reverse side.

*SMA*  
ASNT Level III # 157112

Supervisor, CNDT&PS Unit, ID

METHOD	Level	Expiry Date
<input checked="" type="checkbox"/> Radiography	II	11/9/2027
<input type="checkbox"/> Mag. Particle		
<input type="checkbox"/> Ultrasonic		
<input type="checkbox"/> Penetrant		
<input type="checkbox"/> RTFI		
<input type="checkbox"/> Visual		
<input type="checkbox"/> MFL		
<input type="checkbox"/> Other		

\* This card is to be used only for Operations

**SAUDI ARAMCO**  
INSPECTION  
DEPARTMENT VERIFIES

**704** Karthikeyan Subramani 2290844030

satisfactorily met the Saudi Aramco requirements to perform the nondestructive testing method(s) specified on the reverse side.

*Heni AKL*  
ASNT Level III # 168898

Supervisor, CNDT&PS Unit, ID

METHOD	Level	Expiry Date
<input type="checkbox"/> Radiography		
<input type="checkbox"/> Mag. Particle		
<input type="checkbox"/> Ultrasonic		
<input type="checkbox"/> Penetrant		
<input checked="" type="checkbox"/> RTFI	2075	II
<input type="checkbox"/> Visual		
<input type="checkbox"/> MFL		
<input type="checkbox"/> Other		

\* This card is to be used only for Projects

**SAUDI ARAMCO**  
INSPECTION  
DEPARTMENT VERIFIES

**578** Balakrishnan R. 2440881478

satisfactorily met the Saudi Aramco requirements to perform the nondestructive testing method(s) specified on the reverse side.

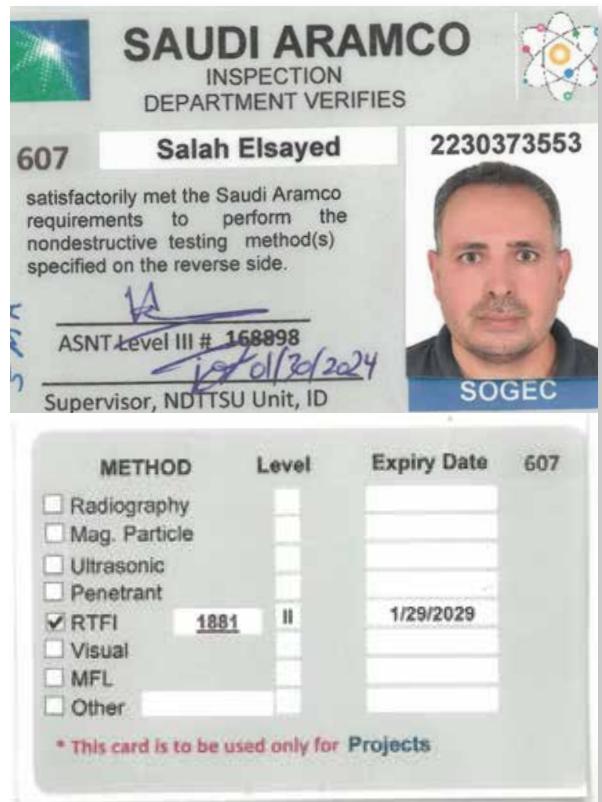
*SMA*  
ASNT Level III # 168898

Supervisor, NOTTSU Unit, ID

METHOD	Level	Expiry Date
<input type="checkbox"/> Radiography		
<input type="checkbox"/> Mag. Particle		
<input type="checkbox"/> Ultrasonic		
<input type="checkbox"/> Penetrant		
<input checked="" type="checkbox"/> RTFI	1797	II
<input type="checkbox"/> Visual		
<input type="checkbox"/> MFL		
<input type="checkbox"/> Other		

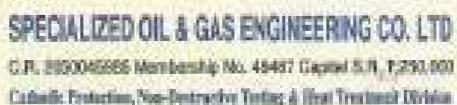
\* This card is to be used only for Projects

## 11. Personnel Documents



## 12. QHSE Certificates





الشركة الممورة لأسماك البترول والغاز - م.م.م  
ج.م.ع. ١٩٩٤٢ - ٢٠١١ - ٢٠١٣ - رقم التسجيل ١٦١٦٣٧٣٧ - رأس المال ١,٧٥٠,٠٠٠ دينار  
للس. الخدمة الكمالية - والخدمات الأخرى ٣٥٠ دينار بالمواصفات المعمولية

## QUALITY POLICY

The Quality Policy of Specialized Oil & Gas Engineering Co. Ltd. (SOGEC) is to provide the most reliable and cost effective solutions within the rigorous timescale by offering a comprehensive end to end package of design, engineering, supplying and execution and to continually upgrade the scope of services required by clients in a timely manner.

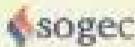
To achieve the above mentioned goals, Specialized Oil & Gas Engineering Co. Ltd. (SOGEC) is committed to:

- ❖ Operate a formal Quality Management System based on the requirements of ISO 9001:2015 and its continual improvement.
- ❖ Work closely with our clients to ensure our products and services conform with their requirements.
- ❖ To achieve excellent disciplined business by fostering continual improvement in every function of operations through dedicated teamwork by qualified and competent staff.
- ❖ To achieve and sustain the highest degree of quality management atmosphere with emphasis on ensuring safety for personnel, properties and environment.
- ❖ Totally committed to achieve high operational efficiency by continuous training and development of employees.

GeneralManager  
Rev. C, Date Dec 23, 2019

Rev. C, Date Dec 23, 2009

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 E-mail: [customers-dammam@likors.com](mailto:customers-dammam@likors.com)





## **Environmental, Health and Safety Policy**

**Specialized Oil & Gas Engineering Co. Ltd. (SOGEC)** is committed to proactively comply with regulatory, legal and other requirements related to Environment, Safety and Occupational health as pertinent to various processes to prevent pollution levels and safe work environment throughout organization.

In order to achieve the above, the Company is committed to:

- Prevent all types of pollution through establishing and implementing the necessary environmental programs.
- Set up the necessary environmental, health and safety objectives which can improve internal systems.
- Comply with applicable environmental, health and safety legislation and other requirements to which the organisation subscribes.
- Communicate the policy to all employees, interested parties and persons working for or on behalf of the organisation.
- Identify and provide relevant training to its staff, and give them the opportunity to contribute to the continuous improvement of Environmental, Health and Safety Management Systems.
- Preservation of the world's natural resources and to Society of which we are a part in terms of any environmental impact resulting from our processes.
- Prevent of injury and ill health which can be caused by our operations.

### General Manager



www.sogcc.com  
P. O. Box 6697 - Dammam 31452 - Saudi Arabia  
+966-13-814-3797 - Tel. +966-13-814-4649  
E-mail: sogccp.dammam@sogroup.com / sogccp.dammam@k网通.com



更多資訊請上網查詢：[www.104.com.tw](http://www.104.com.tw)





### Bureau Veritas Certification



## SPECIALIZED OIL & GAS ENGINEERING CO. LTD. (SOGEC)

Al Khalidiyah Al Janubiyah, P.O. Box: 6897, Dammam 31452, Saudi Arabia

Bureau Veritas Certification Holding SAS - UK Branch certifies that the Management System of the above organisation has been audited and found to be in accordance with the requirements of the management system standards detailed below

### ISO 9001:2015

#### Scope of certification

The provision of heat treatment, positive material identification testing services, hardness testing, Non destructive testing, leak sealing, sales & installation of chlorine analyzer systems, maintenance of industrial machinery and installation. Design, supply and manufacturing, installation, and commissioning of cathodic protection systems.

Original cycle start date:	10-06-2022
Expiry date of previous cycle:	09-06-2025
Certification / Recertification Audit date:	24-06-2025
Certification / Recertification cycle start date:	16-07-2025
Subject to the continued satisfactory operation of the organisation's Management System, this certificate expires on:	09-06-2028

Certificate No.: SA004017

Version: 1

Issue date: 16-07-2025



0008

*Signed on behalf of BVCH SAS UK Branch*

Certification Body Address: 5th Floor, 100 Lower Thames Street, London, EC3R 6DL, United Kingdom

Local office: BUREAU VERITAS CERTIFICATION HOLDING - DUBAI BRANCH, Al Hudaiba Awards Building, Block C, 2nd Floor, Jumeirah Road, 2nd December Interchange, P.O.Box. 9110, Dubai, United Arab Emirates.

Further clarifications regarding the scope and validity of this certificate, and the applicability of the management system requirements, please call: +966 13 8821071

CER CERTIF ALL TPL 001 Rev 4.3

4 Nov 2024

## 12. QHSE Certificates



### Bureau Veritas Certification



#### SPECIALIZED OIL & GAS ENGINEERING CO. LTD. (SOGEC)

Al Khalidiyah Al Janubiyah, P.O. Box: 6897, Dammam 31452, Saudi Arabia

Bureau Veritas Certification Holding SAS - UK Branch certifies that the Management System of the above organisation has been audited and found to be in accordance with the requirements of the management system standards detailed below

#### ISO 14001:2015

##### Scope of certification

The provision of heat treatment, positive material identification testing services, hardness testing, Non destructive testing, leak sealing, sales & installation of chlorine analyzer systems, maintenance of industrial machinery and installation. Design, supply and manufacturing, installation, and commissioning of cathodic protection systems.

Original cycle start date:	10-06-2022
Expiry date of previous cycle:	09-06-2025
Certification / Recertification Audit date:	24-06-2025
Certification / Recertification cycle start date:	16-07-2025
Subject to the continued satisfactory operation of the organisation's Management System, this certificate expires on:	09-06-2028

Certificate No.: SA004015

Version: 1

Issue date: 16-07-2025



0008

*Signed on behalf of BVCH SAS UK Branch*

Certification Body Address: 5th Floor, 100 Lower Thames Street, London, EC3R 6DL, United Kingdom

Local office: BUREAU VERITAS CERTIFICATION HOLDING - DUBAI BRANCH, Al Hudaiba Awards Building, Block C, 2nd Floor, Jumeirah Road, 2nd December Interchange, P.O.Box. 9110, Dubai, United Arab Emirates.

Further clarifications regarding the scope and validity of this certificate, and the applicability of the management system requirements, please call: +966 13 8821071

CER CERTIF ALL TPL 001 Rev 4.3

1/1

4 Nov 2024

## 12. QHSE Certificates



### Bureau Veritas Certification



#### SPECIALIZED OIL & GAS ENGINEERING CO. LTD. (SOGEC)

Al Khalidiyah Al Janubiyah, P.O. Box: 6897, Dammam 31452, Saudi Arabia

Bureau Veritas Certification Holding SAS - UK Branch certifies that the Management System of the above organisation has been audited and found to be in accordance with the requirements of the management system standards detailed below

#### ISO 45001:2018

##### Scope of certification

The provision of heat treatment, positive material identification testing services, hardness testing, Non destructive testing, leak sealing, sales & installation of chlorine analyzer systems, maintenance of industrial machinery and installation. Design, supply and manufacturing, installation, and commissioning of cathodic protection systems.

Original cycle start date:	10-06-2022
Expiry date of previous cycle:	09-06-2025
Certification / Recertification Audit date:	24-06-2025
Certification / Recertification cycle start date:	16-07-2025
Subject to the continued satisfactory operation of the organisation's Management System, this certificate expires on:	09-06-2028

Certificate No.: SA004016

Version: 1

Issue date: 16-07-2025



0008

*Signed on behalf of BVCH SAS UK Branch*

Certification Body Address: 5th Floor, 100 Lower Thames Street, London, EC3R 6DL, United Kingdom

Local office: BUREAU VERITAS CERTIFICATION HOLDING - DUBAI BRANCH, Al Hudaiba Awards Building, Block C, 2nd Floor, Jumeirah Road, 2nd December Interchange, P.O.Box. 9110, Dubai, United Arab Emirates.

Further clarifications regarding the scope and validity of this certificate, and the applicability of the management system requirements, please call: +966 13 8821071

CER CERTIF ALL TPL 001 Rev 4.3

1/1

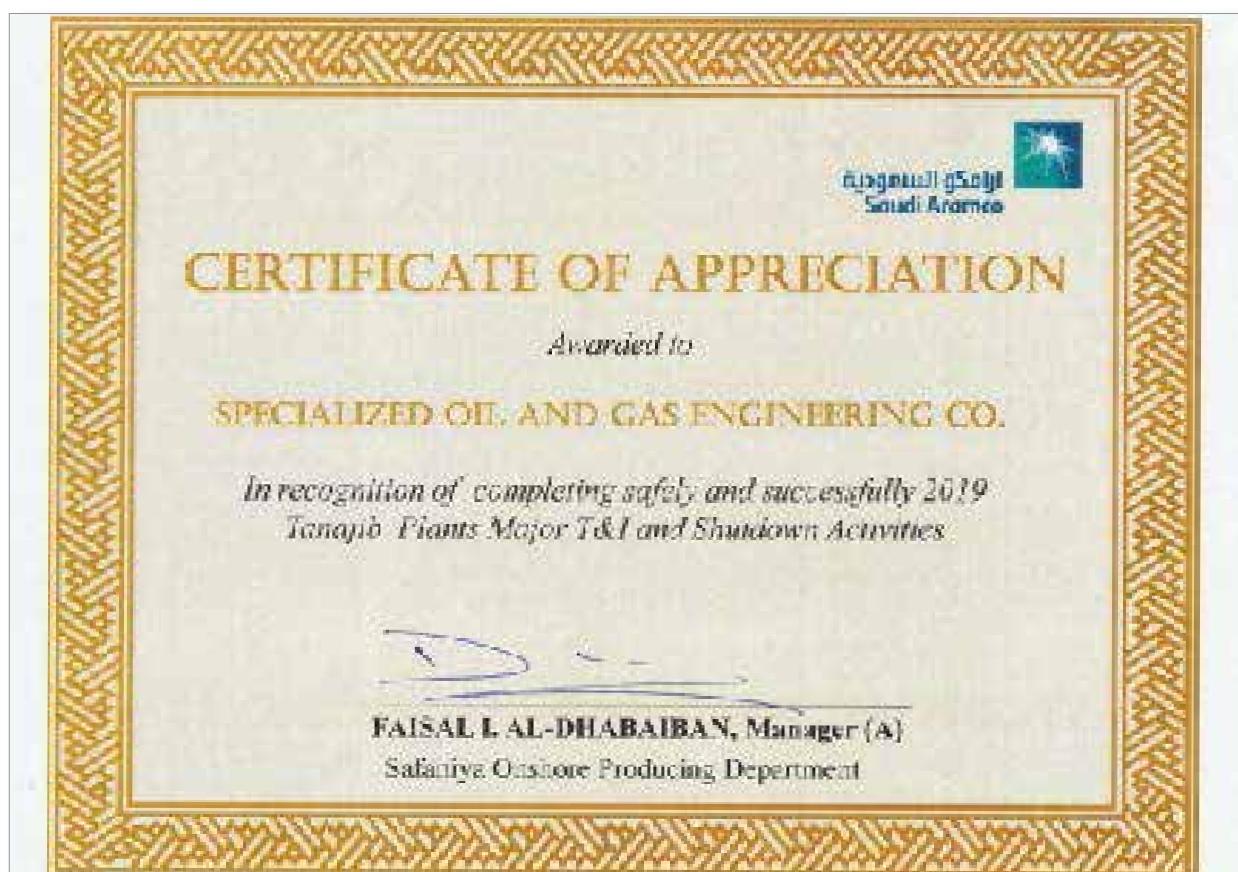
4 Nov 2024

## 13. Testimonials





## 13. Testimonials



## 13. Testimonials



## 13. Testimonials



TECHNIP SAUDI ARABIA LTD.

PROJECT: JUBAIL EXPORT REFINERY – PACKAGE 2A

CLIENT: SATORP (SAUDI ARAMCO TOTAL Refining and Petrochemical Company)

TECHNIP S.A. LTD, Office Jubail Construction Site

15 April 2013

### **LETTER OF APPRECIATION**

SOGEC-NDT has very successfully supported Technip Saudi Arabia to meet construction completion target dates, by performing RT on 71 heavy wall (40 – 60 mm wall thickness) stainless & nickel allow welds in the shortest possible time, on the JUBAIL EXPORT REFINERY Project.

The efforts made by the SOGEC-NDT assigned personnel have been very well recognized and very much appreciated.

We have no hesitation in recommendation the services of SOGEC-NDT to any other Company.

Alessandro Savi  
TPSA Site Manager

Volker Seewoester  
TPSA Site QA/QC Manager

CC: Personnel File

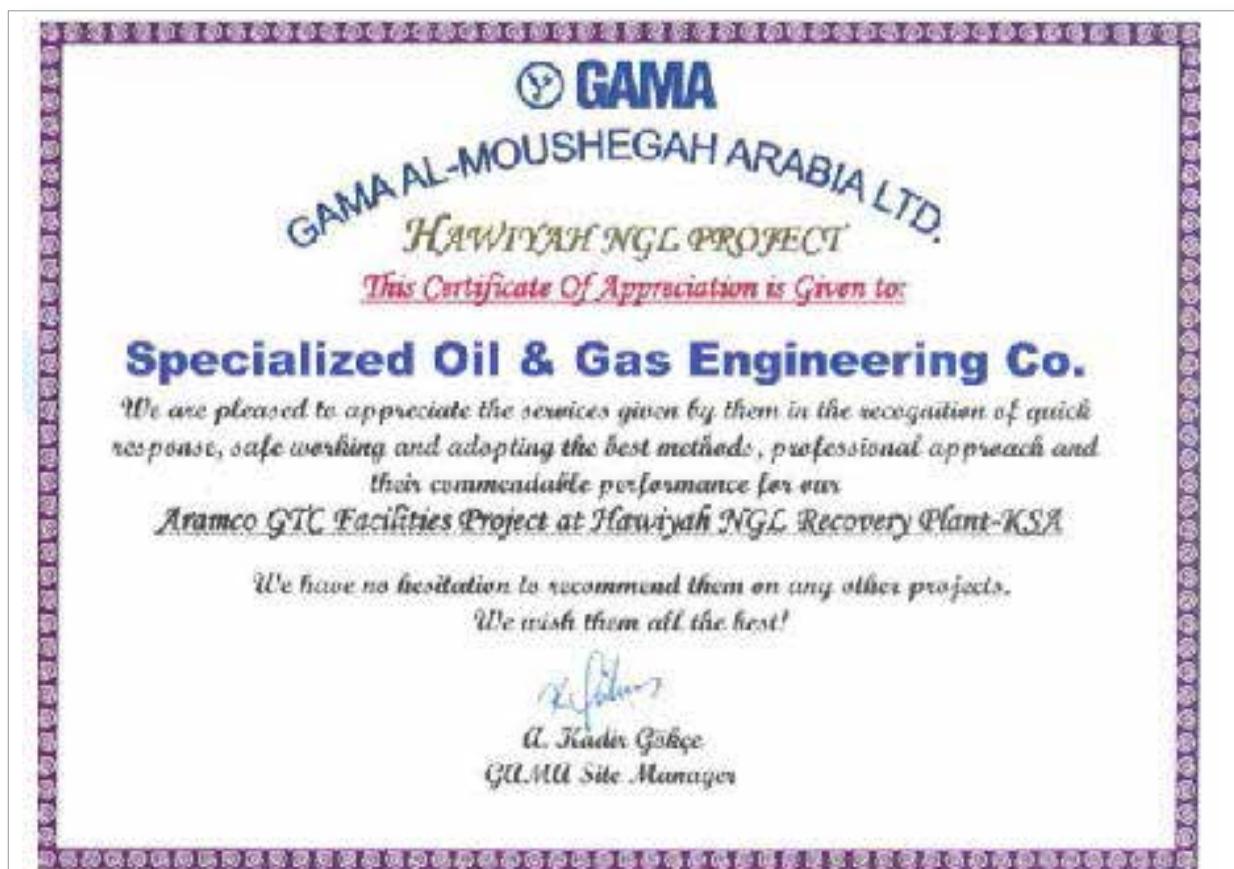
## 13. Testimonials



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To Whom It May Concern:

Date: December 30, 2020

### CERTIFICATE OF APPRECIATION

Presented to M/s SOGEC

We wish to extend our most sincere thanks and appreciation for the hard work and best co-operation for Cathodic Protection Works in Jazan Refinery Terminal Project EPC-02.

We are delighted by the quality of your services, responsiveness and professionalism in business due to which we have managed to keep our customers satisfied.

Keep up the good job. And we will be looking forward to an excellent continuing business relationship.

Sincerely,

For and on behalf of Hyundai Arabia Company LLC

By: Ahn Kyung Whan

Name: Ahn Kyung Whan

Title: Project Manager

Date: December 30, 2020



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**For inquiries** please contact us at

**sogec@ikkgroup.com**

**SOGEC Dammam**

 P.O. Box 6897 Dammam  
31452, Saudi Arabia.  
 +966 (13) 892 3777  
 +966 (13) 814 4849

**SOGEC Riyadh**

 P.O. Box 58951 Riyadh  
11515, Saudi Arabia.  
 +966 (11) 292 8363  
 +966 (11) 473 2396

**SOGEC Jeddah**

 P.O. Box 5338 Jeddah  
21422, Saudi Arabia.  
 +966 (012) 627 8494  
 +966 (012) 627 8333

**SOGEC Dubai**

 P.O. Box 282751 Dubai,  
UAE.  
 +971 (4)818 1987  
 +971 (4) 429 7031

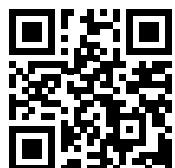
**SOGEC Abu Dhabi**

 P.O. Box 40152 Abu Dhabi,  
UAE.  
 +971 (4)679 9483  
 +971 (2) 429 7031

**SOGEC Kuwait**

 +966 (12) 627 8333  
 +965 966 10 310

**SOGEC**  
[www.kcg-ikk.com](http://www.kcg-ikk.com)  
[www.sogec.com.sa](http://www.sogec.com.sa)



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