Rev-01

ASIA TESTING COMPANY PROFILE 2025

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INTRODUCTION

Asia Testing provides Convenient and advanced NDT, Heat Treatment solution, TPI, Training, Technical Consultant, Certification/Qualification and solution in welding process, development of QMS and QA/QC division, API workshop support, Vendor audit, Assets integrity service, Risk based Periodic inspection and certification.

We serve various Industries such as pressure vessels, oil and gas refineries, onshore and offshore (New Builds and refurbishment), Civil project, Solar Power plant (renewable energy), Coal power plant, EPC projects.

Asia Testing begin in 2009 NDT & Inspection as services campaign all over India and overseas under name of Sai Inspection Services.

Experienced in guiding and preparing fabrication workshops, carrying out NDT to satisfy the ASME requirements.

Provision of vendor inspection services forbought-out items during manufacturing to ensure their compliance with required specifications clients through reputed international Inspection services.

Our services will help you to save costs and minimize inspection times. We are passionate about our services, including our special applications that furnish you with specific training,

FOREWORD

Asia Testing has been active in the promotion of non-destructive testing (NDT) technology. The prime reason for this interest has been the need for stringent quality control standards for the safe operation of nuclear as well as other industrial installations.

The Asia Testing are successful in executing several projects, including technical cooperation projects (national and regional) and coordinated research projects, in which NDT & PWHT was an important part. Through these projects, many people have been trained in numerous Member States, leading to the establishment of national certifying bodies responsible for training and certification of NDT personnel.

Consequently, a state of self-sufficiency in this area of technology has been achieved in many of these States. All along there has been a realization of the need to well-established shed training guidelines and related books, in order, first, to guide Asia Testing experts involved in this training programmer and, second, to achieve some level of international uniformity and harmonization of training materials and consequent competence of NDT personnel. The Asia Testing wishes to express its appreciation to all those who contributed to the production of this book.

OUR SOLUTIONS WILL SOLVE YOUR NEEDS....

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EDITORIAL NOTE

This publication has not been edited by the editorial staff of Asia Testing. It does not address questions of responsibility, legal or otherwise, for acts or omissions on the part of any person. The use of designations of countries or territories does not imply any judgment by the publisher, Asia Testing, as to the legal status of such countries or territories, their authorities, and institutions, or the delimitation of their boundaries.

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OUR MISSION

Asia Testing, being the best services provider continuously nourishes our passion, entrepreneurialism, reliability, and innovative spirit, and enables our customers to accomplish their goals more effectively.

Current industrial benchmarks are continuously growing by organizing periodic assessments and training of our talents.

OUR VISION

Our vision is to establish a preferred institution to produce the preferred NDT professionals who meet and excel in the international needs and standards in quality concepts through NDT.

Developing a state-of-the-art facility in material testing with high industrial standards, and professional services focusing on customer satisfaction.

WHY ASIA GROUP?

A career with Asia Testing means joining a team committed to the absolute best. We are working towards a future where everyone's potential can be fulfilled.

At Asia Testing we look at our human capital with the right attitude as they are the most important asset.

We truly believe that grooming the right talent is the key to achieving our business goal. Being in ASIA is a part of an extended family.

Asia Testing is shaping the future of enterprise excellence—and it's our team, our innovation, and our unwavering commitment to quality that make it possible

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QUALITY, HEALTH, SAFETY & ENVIRONMENTAL POLICY

Asia Testing is dedicated to delivering exceptional Non-Destructive Testing (NDT) and Inspection services while maintaining the highest standards of quality, health, safety & environmental responsibility. Our integrated policy is based on the following commitments:

Quality Policy

- **Customer Satisfaction:** We are committed to meeting and exceeding customer expectations by providing reliable, accurate, and timely services.
- **Continuous Improvement:** We strive for continuous improvement in all aspects of our operations through regular reviews, feedback, and the implementation of best practices.
- **Compliance:** We adhere to all relevant industry standards, regulations, and customer requirements to ensure the highest quality of service.
- **Employee Competence:** We invest in the training and development of our employees to ensure they possess the necessary skills and knowledge to perform their duties effectively.
- **Ethical Conduct:** We conduct our business with integrity, fairness, and transparency, ensuring ethical behavior in all our dealings.
- **Diversity and Inclusion:** We promote a diverse and inclusive workplace where all employees are treated with respect and given equal opportunities to succeed.
- **Human Rights:** We respect and uphold the human rights of all individuals affected by our operations, ensuring fair labor practices and opposing any form of discrimination or exploitation.

Health and Safety Policy

- **Safe Work Environment:** We prioritize the health and safety of our employees, contractors, and visitors by maintaining a safe and healthy work environment.
- **Risk Management:** We identify and assess potential health and safety risks and implement effective controls to mitigate these risks.
- **Compliance:** We comply with all applicable health and safety laws, regulations, and standards.
- **Emergency Preparedness:** We have established emergency response plans and conduct regular drills to ensure preparedness for any potential incidents.
- **Employee Involvement:** We encourage active participation from all employees in health and safety initiatives and provide ongoing training to ensure they are equipped to work safely.

Environmental Policy

- **Sustainability:** We strive to minimize our environmental footprint by adopting sustainable practices in all our operations. This includes reducing waste, conserving energy, and using resources efficiently.
- **Compliance:** We adhere to all relevant environmental laws, regulations, and standards. We also aim to exceed these requirements wherever possible.
- **Continuous Improvement:** We are committed to continually improving our environmental performance through regular monitoring, evaluation, and the implementation of best practices.
- **Awareness and Training:** We ensure that all employees are aware of their environmental responsibilities and provide training to enhance their understanding and capabilities.

By integrating these principles into our daily operations, Asia Testing aims to achieve excellence in environmental stewardship, health and safety, and social responsibility, contributing to a sustainable and equitable future for all stakeholders.

Anil Arjun Khond
Managing Director

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SCOPE & SERVICES

Conventional NDT (AWS/ASME/BSEN-ISO)

- ✓ RT - Radiographic Testing (gamma & x-ray)
- ✓ UT - Ultrasonic Testing
- ✓ MT - Magnetic Particle Testing
- ✓ PT - Liquid Penetrant Testing
- ✓ VT - Visual Inspection

Advance NDT (AWS/ASME/BSEN-ISO)

- ✓ PAUT - Phased Array Ultrasonic Testing
- ✓ TOFD - Time of Flight Diffraction
- ✓ MFL - Magnetic Flux Leakage
- ✓ Borescope Inspection
- ✓ Eddy Current Testing
- ✓ LEFT

Third Party Inspection and Manpower supply

- ✓ WPS - Welding Procedure Specifications
- ✓ PQR - Procedure Qualification Records
- ✓ WQT - Welder Qualification Test
- ✓ WPQ - Welder Performance Qualifications.
- ✓ TPI Inspection (Vendor/FAT/SAT etc.,).

Other Inspection Services

- ✓ RT - Film Digitizing
- ✓ Ultrasonic Thickness Gauging
- ✓ Vacuum Box Testing
- ✓ Hardness Test
- ✓ Bolt Torquing
- ✓ Holiday Test
- ✓ Coating Inspection
- ✓ PMI - Positive Material Identification
- ✓ FERRITE

Heat Treatment / Stress Relieving Services

- ✓ Local coil Heating (Piping and Structure)
- ✓ Oil /Gas/Electrical Fire Furnace Heating
- ✓ Refectory dry out process
- ✓ Coating Curing
- ✓ Spherical Tank PWHT

Supply of AWS, CSWIP, NACE, BGAS, PCN ISO 9712, ATEX, IWE Engineer & Inspectors

- ✓ Training and Qualification
- ✓ NDT Level I & II Training Service
- ✓ NDT Consultancy Service,
- ✓ Appointed NDT Level III Service.

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Radiographic Testing (RT)

The radiographic testing method is used for the detection of internal flaws in many different materials and configurations. An appropriate radiographic film is placed behind the test specimen and is exposed by passing either X-rays or gamma rays through it.

When NDT professionals are setting up for RT, regardless of the imaging method used, they must:

- ✓ Aim X-ray or isotope radiation at the test object.
- ✓ Place a film or digital sensor behind the object.
- ✓ Allow radiation to pass through the object to the sensor for a set time.
- ✓ Process the film or sensor.

RT Film Digitization (RTFD)

The introduction of radiograph film digitization into the major utilities such as construction, industrial projects enable the owners of the process/plant/products to have electronic records in permanent archives.

Key Benefits:

- ✓ Eliminates ageing of films, retaining image quality
- ✓ Physical archive storage to computer data cabinets
- ✓ Deliverables are electronic data media with 25-50 years of data life
- ✓ Full traceability is integral to the system, with tamper-proof designing at each stage
- ✓ Radiographs can be electronically reported and archived.

Ultrasonic Testing (UT)

Ultrasonic inspection is a non-destructive method by which high-frequency sound waves are introduced into the object being inspected. Most ultrasonic inspection is done at frequencies between 0.5 and 20MHz. The sound waves travel through the material with some loss of energy (attenuation) due to material characteristics. The intensity of sound waves is either measured, after reflection (pulse echo) at interfaces (or flaw) or is measured at the opposite surface of the specimen (pulse transmission).

Liquid Penetrant Testing (LPT)

This is a method that can be employed for the detection of surface-breaking defects in any industrial products made from a non-porous material. This method is widely used for testing non-magnetic materials.

Liquid penetrant testing works through the infiltration of a liquid dye into open surface discontinuities. Used to locate surface defects such as cracks, pores, poor fusion or inter-granular corrosion, this testing method is performed on both parent materials and welds.

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Magnetic Particle Testing (MPT)

Magnetic particle testing is used for the testing of materials which can be easily magnetized. This method can detect open-to-surface and just-below-the-surface flaws. In this method, the test specimen is first magnetized either by using a permanent or an electromagnet or by passing an electric current through or around the specimen.

The advantages of magnetic particle testing include the following:

- ✓ It does not need a very stringent pre-cleaning operation.
- ✓ Best method for the detection of fine, shallow surface cracks in ferromagnetic material.
- ✓ Will work through the thin coating.
- ✓ Inspection of complex geometries.
- ✓ Portable NDT method.

Visual Testing (VT)

Visual inspection is one of the most common and powerful means of non-destructive testing and it is the mother of all NDT methods. Visual testing requires adequate illumination of the test surface and proper eyesight of the tester. NDT methods ultimately must be substantiated by visual testing. Visual testing can be classified as direct visual testing, remote visual testing, and translucent visual testing. Often the equipment needed is simple.

The applications of visual testing include:

- ✓ Checking the surface condition of the component.
- ✓ Checking of alignment of mating surfaces.
- ✓ Checking for evidence of leaking.
- ✓ Checking for internal side defects.

Positive Material Identification (PMI)

Visual inspection is one of the most common and powerful means of non-destructive testing and it is the mother of all NDT methods. Visual testing requires adequate illumination of the test surface and proper eyesight of the tester. NDT methods ultimately must be substantiated by visual testing. Visual testing can be classified as direct visual testing, remote visual testing, and translucent visual testing. Often the equipment needed is simple.

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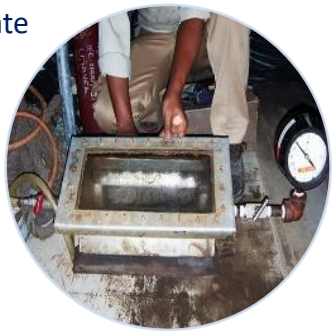
Ferrite Testing (FT)

Ferrite measurement techniques evolved after the realization that austenitic stainless-steel weld metals, containing a moderate amount of ferrite, were free of hot cracking-related weld defects. The advent of duplex stainless Steel further re-emphasized the need for adequate ferrite measurement techniques as a suitable ferrite/austenite phase balance provides adequate mechanical properties and improved corrosion performance. To quail their cast products, reliable means to measure ferrite were developed to assure compliance with industrial practices and customer requirements.

Vacuum Box Testing (VBT)



Vacuum box testing is a non-destructive examination used when trying to locate welds seam leaks. A vacuum box and a compressor create a high- or low-pressure vacuum while a detergent solution is applied to the test area. The detergent bubbles, making leaks visible within the created pressure envelope. IRISNDT utilizes systems compliant with ASTM E515. All inspections are conducted within the parameters of ASME V Section 10, Appendix II or to client specifications.

Borescope Inspection

A borescope is an optical tool used to view areas that would otherwise not be visible. A borescope is inserted into the item being evaluated without destroying the item of interest. A Borescope can consist of Rigid or flexible working length Light Source to illuminate the target under inspection. Optical system that may consist of a relay lens system, rod lens system, fiber optic image guide a CCD or CMOS camera. Eyepiece or monitor to view the image

Phased Array Ultrasonic Testing (PAUT)

PAUT is an advanced method of ultrasonic testing that has applications in medical imaging and industrial testing. When applied to metals the PAUT image shows a slice view that may reveal defects hidden inside a structure or weld. A phased array uses an array of elements, all individually wired, pulsed, and time shifted. A typical user-friendly computerized setup calculates the time delays from operator input or uses a predefined file: test angle, focal distance, scan pattern, and so forth. The technique also provides a combination of various scans in the same equipment set-up. B-Scan is a side view, Scan is a top view and the S-Scan is a cross-sectional view.

ADVANTAGES

- ✓ Gives information about lateral position of defect in weld (depth and height
- ✓ Gives a permanent record
- ✓ Repeatability, good for monitoring
- ✓ No radiation involved

DISADVANTAGES

- ✓ Higher cost equipment required
- ✓ Requires experienced and trained technicians for interpretation
- ✓ Angle of incidence is not always optimal when using S-scan

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Time Of Flight Diffraction (TOFD)

Time of Flight Diffraction (TOFD) is an advanced automated computerized UT-based NOT technique, used for in-service inspection of welds for heavy walled pressure vessels. TOFD system is capable of scanning, store and evaluate flaw indications in terms of height, length and position with greater accuracy and is suitable for weld thickness ranging from 13 mm to 300 mm.

TOFD principles:

- ✓ Lateral wave.
- ✓ Diffraction signal at upper crack tip.
- ✓ Diffraction signal at lower crack tip.
- ✓ Back wall reflection.

Eddy Current Testing (ECT)

This method is widely used to detect surface defects, sort materials, measure thin walls from one surface only, measure thin coatings, and in some applications measure case hardening depth. This method applies to electrically conductive materials only.

ET method may be used for:

- ✓ For the detection of defects in tubing's.
- ✓ For sorting materials.
- ✓ For measurement of thin wall thicknesses.
- ✓ For measuring thin coatings.
- ✓ For measuring case depth.

Magnetic Flux Leakage (MFL)

Magnetic flux leakage (MFL) is a magnetic method of non-destructive testing that is used to detect corrosion, pitting and wall loss in steel structures. Magnetic flux leakage (MFL) is commonly used for inspecting tank floors in the petrochemical industry.

Welding Solution

We are providing total solution to welding engineering from the selection of material to failure analysis of welding. We ASIA Group are the leading Welder Qualification Test (WQT) Consultancy at UAE for the Qualification of Welders, Organizing Welding Procedure Qualification and Welder Qualification Test(WQT) across UAE. Welder training with subsequent Welder Qualification Test (WQT) and Welder Certification will organize in our AWS approved Welder Certification training facility or client premises in order to meet the requirements. Our Welding and Brazing Inspection services include but not limited to

- ✓ Expert Technical Service
- ✓ Welding Procedure/Welder Qualification Test (WQT) and Quality Documentation Reviews
- ✓ Welding Engineering
- ✓ Weld Testing &Inspection
- ✓ Welder Qualification Test (WQT), Assessments & Welder Certifications
- ✓ Welding Quality Assurance

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- ✓ Weld Parameter Monitoring
- ✓ Material Selection & Testing
- ✓ Weld Repair and Subsequent Welder Qualification Test (WQT) requirements and Welder Certification requirements for welding repair procedure Qualifications.
- ✓ Expediting

Welder Training and Welder Certification following Welder Qualification Test (WQT) Expert Technical Service As experts to the welding industry, we can assist and advise you on all your welding requirements, Welding Procedures (WPS), Welder Qualification

Third Party Inspection (TPI)

1. Second Party/Third Party Inspection Services at Vendors works (local and India) for
   - ✓ Fabricated items such as Pressure vessels, Heat Exchangers, Piping, Boilers, Cranes, Structural, Package Skids etc.
   - ✓ FAT witness for Pumps, Compressors, Turbine, Electrical Motors, transformers etc.
   - ✓ Material Inspection for plates, pipes, tubing, fittings, fasteners, gaskets, castings, cables etc.
   - ✓ Witness and Certify welding procedures and welders' qualifications.
   - ✓ Painting Inspection

2. In-Service Inspection / In-Process Inspection
3. Turn Around Inspection
4. Expediting Services
5. Vendors Evaluation
6. Supply of Resident Inspectors for various categories such as Civil, Building, Welding, Piping, Pipeline, Rotating and Stationary Equipment, Structural, E&I, painting, Insulation etc.
7. Supply of Engineers for various categories such as Project Engineer, Planning Engineer, Estimation Engineer, Production Engineer, Design Engineer, QA Engineer etc.
8. QA/QC Services
9. Plant Inspection
10. Piping Inspection / Welding Inspection /Coating Inspection
11. Vendor Inspection

Consultancy Services

- ✓ Supply of QA/QC inspector certified (AWS and CSIW)
- ✓ Supply of Coating Inspector BGAS or NACE certified

Training

- ✓ Technical Training
- ✓ Quality Training
- ✓ Certificate Training
- ✓ Equipment Safety Training
- ✓ Code & Standard Awareness

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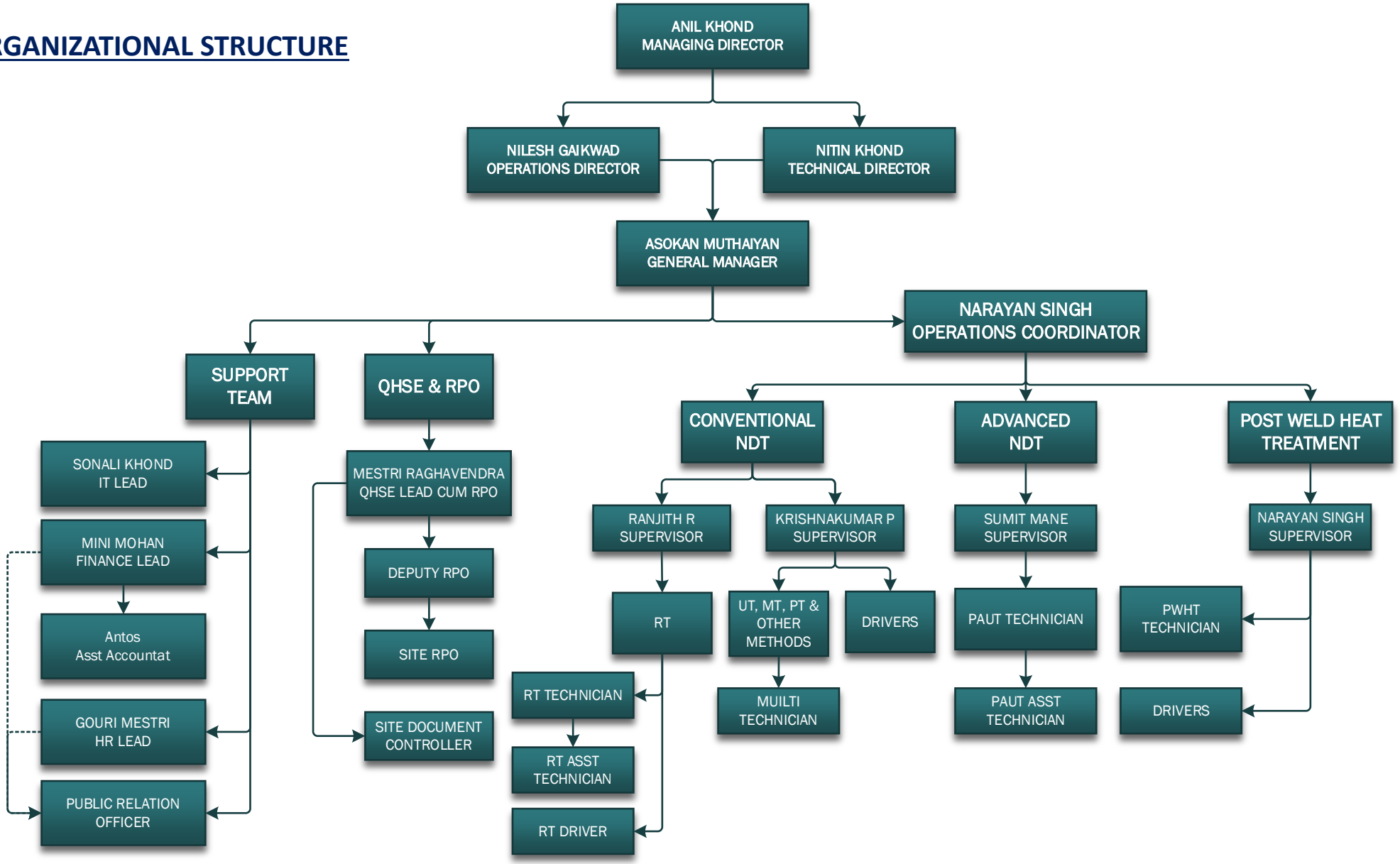
ORGANIZATIONAL STRUCTURE



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MAJOR PROJECTS COMPLETED

Project Title	Client	Contractor	Location	Scope of Work	Project Start	Project End	Status
Optimum Shah Gas Expansion Project	-	ISSC	Abu Dhabi	PAUT	Sep-2022	Jan-2023	Completed
Heat Exchanger & Pipeline	DEWA	-	Dubai	UT, PAUT, TOFD	May-2022	Mar-2023	Completed
Workshop various projects	-	Aligned Technical Services	Dubai & Sharjah	RT, MT, PT, UT, PAUT, TOFD, PWHT	May-2022	Apr-2023	Completed
150 MIGD SWRO Desalination Plant	ACWA Power	Alucor Ltd.,	Umm Al Quwain	UT, PAUT, TOFD	Feb-2021	Dec-2021	Completed
HPCC, Noor Energy 1 Projects	-	Through Alborz LLc	Dubai	PT, UT, PAUT, TOFD, PWHT	Jan-2021	May-2024	Completed
TEPC, Noor Energy 1 Projects	-	Through Alborz LLc	Dubai	RT, MT, PT, UT, PAUT, TOFD	Jan-2021	May-2024	Completed
JEPCC, Noor Energy 1 Projects	-	Through Alborz LLc	Dubai	RT, MT, PT, UT, PAUT, TOFD	Jan-2021	May-2024	Completed
Mohammed bin Rashid Al Maktoum Solar Park 700MW CSP +250 MW PV Project	-	Tianjin Electric Power Construction Co., Ltd	Dubai	RT, MT, PT, UT, PAUT, TOFD, PWHT	Jan-2021	May-2024	Completed
Mohammed bin Rashid Al Maktoum Solar Park 700MW CSP +250 MW PV Project	-	PowerChina Jiangxi Electric Power Construction Co., Ltd	Dubai	RT, MT, PT, UT, PAUT, TOFD, PWHT	Jan-2021	May-2024	Completed

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Project Title	Client	Contractor	Location	Scope of Work	Project Start	Project End	Status
Hamriyah Power Plant Projects Site	-	INCO International FZc Co.,	Sharjah	UT, PAUT, TOFD, PWHT	May-2020	Feb-2022	Completed
Hamriyah Power Plant Projects Site	-	JURONG Engineering LLC	Sharjah	UT, PAUT, TOFD, PWHT	May-2020	Feb-2022	Completed
Sharjah's Hamriyah Independent Power Plant (SHIPCO) Combined-cycle power plant - 1.8GW	Techniqas Reunidas	Inco International Free zone Company	Sharjah	MT, PT, UT, PWHT	May-2020	Jan-2023	Completed
Sharjah's Hamriyah Independent Power Plant (SHIPCO) Combined-cycle power plant - 1.8GW	Techniqas Reunidas	Jurong Engineering Ltd.	Sharjah	RT, MT, PT, UT, PWHT	May-2020	Jan-2023	Completed
Sharjah Airport Expansion Project	Bin Laden Group	Aligned Technical Service	Sharjah	PAUT	Jan-2023	Jun-2023	Call Out Job

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CONTACT US

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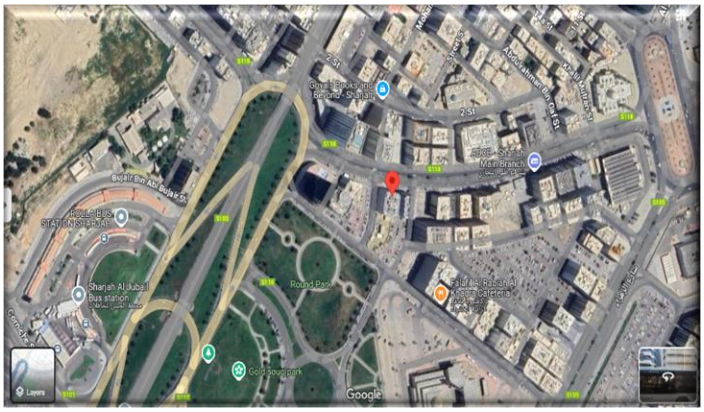

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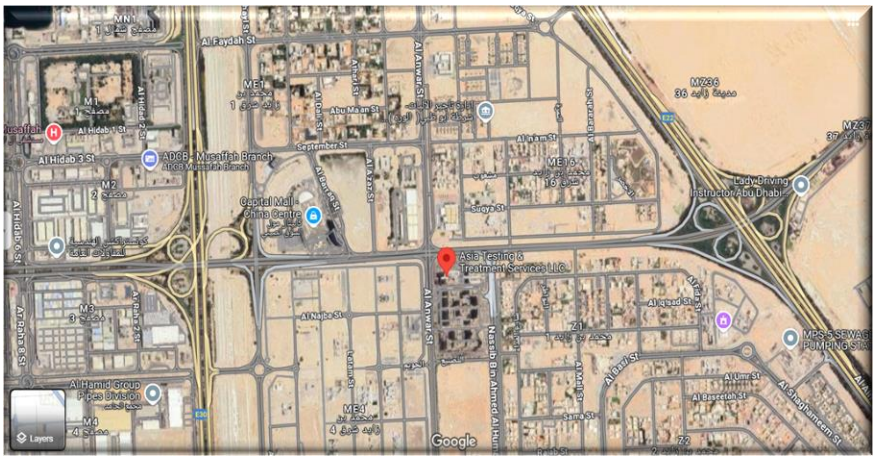

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