

PRE-QUALIFICATION DOCUMENT

TESTING & INSPECTION



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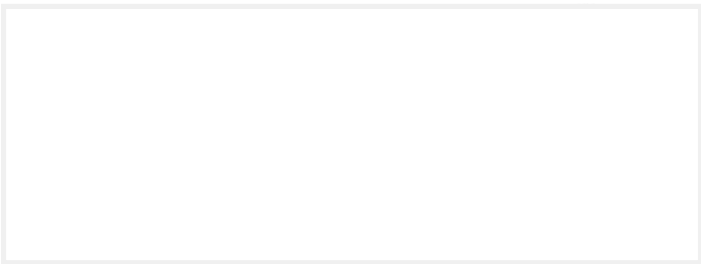
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Year 2022



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COMPANY BROCHURE



Since 1984

Emirates

Industrial Laboratory

Oilfield • Marine • Industrial



ONE-DESTINATION CENTER For Testing and Inspection Excellence

- ❖ Shutdown/Turnaround Inspection
- ❖ Non-Destructive Testing
- ❖ Metallurgical Investigation
- ❖ Field Inspection
- ❖ Mechanical Testing
- ❖ Chemical Testing

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Emirates Industrial Laboratory a.k.a. EILAB stands committed to be #1 Top customer choice in engineering services recognized by Integrity, quality and ethics of our people and our services.



Emirates Industrial Laboratory a.k.a. EILAB works to create and maintain a hub for one-destination. Exceed customer expectations by delivering highest quality and responsive service with highest technology and best committed team

Emirates Industrial Laboratory a.k.a. EILAB adopts a market-based business management philosophy founded on core values of personal and organization integrity, highest technology driven, optimized use of resources, empowered personnel, sustainable environment and thriving community.



Founded in 1984, Emirates Industrial Laboratory is located inside the prestigious Drydocks World-Dubai in Port Rashid.

Metallurgical test, metallography, corrosion test and failure investigation are overseen by our qualified and industry experienced **Metallurgists**.

Chemical test on Oil and Petroleum, water, metal ferrous and non-ferrous, soil and other related samples are carried out by our expert **Chemists**.

Expert in conventional and advanced NDT with Rope Access. Sizeable number of Technicians qualified to **ASNT & PCN Level II** in RT, RTFI, UT, MT, PT, VT, MFL etc.

Qualified and experienced personnel in **API Inspection**, Welding Inspection, Painting and Coating Inspection, Quality Inspection.



ONE-DESTINATION CENTER
For Testing and Inspection Excellence

Introduction

Offering **laboratory testing, inspection and engineering consultancy services** for petrochemicals, oil & gas, heavy metals, power, energy & infrastructure construction industries.

Metallurgical

Full-fledged **mechanical** and physical test facility for qualification of ferrous and non-ferrous materials in base or welded condition.

Chemical

Our chemical lab is equipped with **state-of-art** analytical equipment like spectrophotometer, OES, ICP-OES etc.

NDT

PWHT and Welding Inspection. Our Level III qualified NDE Advisors guide the NDT projects to the complete satisfaction of client.

Inspection

Expert in providing Shutdown Inspection, Asset Integrity Management Services like **FFS, RBI**, RBI, corrosion monitoring etc.

Consultancy

Consultancy services on Engineering, Welding, Metallurgy, Asset Integrity, Inspection, Chemistry and NDT.



PROFESSIONAL COMPETENCES

EILAB has been serving the General Engineering, Oil and Gas Sector and marine sector for over three decades.

The name has become synonymous with quality service and customers have been placing their trust in EILAB as their quality representative, being assured of top class independent, competent and professional testing services.

The advantages of using EILAB's services are diverse and highlighted below:

The commercial laboratory in Middle East having Technical services, Metallurgy, Mechanical Testing, Chemistry, NDT, Field Inspection, Asset Integrity Services, PWHT and Welding consultancy facilities all under one roof.

EILAB employs more than 100 NDT Technicians qualified to ASNT & PCN Level II in RT, RTFI, UT, MT, PT, VT, MFL etc. EILAB employs Level III qualified NDE Advisors for each major NDT projects.

EILAB is involved in providing the inspection services related to Corrosion/Erosion Survey and NDT/Welding Inspection Services for both Offshore and Onshore clients in Oil & Gas Industry.

EILAB has on its rolls qualified API Inspectors (i.e., API 510, API 570 and API 653) and Metallurgists and PhD's in Chemistry. EILAB has qualified CSWIP/AWS qualified Inspection Engineers; NACE/BGAS qualified Painting / Coating Inspectors.

In addition to conventional NDT services, EILAB provides specialist NDT Services such as PAUT, TOFD, PEC (Pulsed Eddy Current), IRIS, ECT, Thermography, LOTIS, FTIS, INVISTA.

EILAB employs a multitude of Rope Access NDT personnel consisting of IRATA qualified Inspection Supervisors and IRATA qualified NDT Technicians. The Rope Access NDT teams are continuously engaged in carrying out corrosion control monitoring services at offshore Oil & Gas installations.

In addition, EILAB embarks on a continuing training program to train technicians with ASNT Level II qualification in NDT to acquire IRATA Level I/ Level II qualification in Rope Access.



A Name

Synonymous

to

QUALITY SERVICE

eilab

مركز الإمارات العالمي للاعتماد
Emirates International Accreditation Centre



FANR

الهيئة الاتحادية للرقابة النووية
Federal Authority for Nuclear Regulation



DNV-GL

1

NDT Services

Fully equipped to carry out X-Ray & Gamma Radiography, Ultrasonic Flaw Detection, PAUT, Eddy Current Testing, Fluorescent and Regular Magnetic Particle, Liquid Penetrant Testing, Visual and Baroscopic Inspection.



2

Field Inspection Services

AWS and CSWIP certified welding and quality inspection teams undertake Third Party Inspection for Welded Structures. Shutdown Inspection at petroleum and petrochemicals industries are undertaken by API qualified inspectors.



3

Asset Integrity Management Services

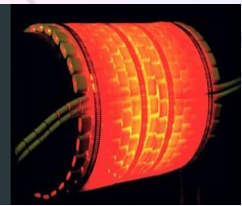
Inline and shutdown inspection services for assets in petroleum and petrochemicals industries, Remaining Life Assessment, Fitness for Service and Risk Based Inspection by industry experienced and certified API inspectors.



4

Post-Weld Heat Treatment (PWHT) Services

Maintains large number of PWHT equipment for reheating the welded material to reduce/relieve residual stress to control hardness and achieve desired material strength.



5

Mechanical Testing

Equipped with testing facilities for Ferrous and Non-Ferrous Materials for Tensile, Compression, Bend, Fracture, Nick Break, Hardness, Impact Test. And qualification tests for Weld Coupons.



6

Metallurgical Investigation

Failure Analysis on component from oil and gas, marine, power, construction, heavy steel industries. Metallography, In-situ Replica Metallography, Grain Size, Corrosion Tests and many more.



7

Analytical Chemical Laboratory

Equipped to conduct analysis on Metal, Oil, Gas, Drilling Fluids, Chemicals, Mud, Effluents, Water, Scales and Sludges. In-situ identification of material grade by PMI Machine.



DEFECTS SHALL NOT PASS

We at EILAB take pride in boasting our core NDT services by conventional and advanced methods.

With ASNT & PCN qualified technicians proficient in multiple discipline of NDT, we serve and execute the demand of NDT works in U.A.E. and other gulf countries.

Fully equipped to carry out Visual Inspection, Baroscopic Examination, X-Ray Radiography, Gamma Radiography, Ultrasonic Flaw Detection, Eddy Current Testing, Fluorescent and Regular Magnetic Particle Testing, and Liquid Penetrant Testing.

We execute NDT works to the satisfaction of client requirement, so we perform NDT tests at project sites, onshore or offshore.

Our performance in executing NDT works has given us recognition among all major oil & gas companies in UAE and GCC by getting awarded with project approvals and their prestigious projects.



In addition to ultrasonic flaw detection, we excel in ultrasonic gauging works as well, with competency approvals from the international shipping inspection and surveillance agencies for Ultrasonic Thickness Gauging.

Key Takeaways:

- ❖ Reputed NDT service provider
- ❖ Approvals from major End-users, power, oil & gas companies



C Visual Inspection
O Borescopic Examination
N X-Ray Radiography
V Gamma-Ray Radiography
E Small Controlled Area Radiography
N Ultrasonic Flaw Detection
T Ultrasonic Thickness Gauging
I Eddy Current Testing
O Magnetic Particle Inspection
N Liquid Penetrant Testing
A Vacuum Box Testing
L Magnetic Flux Leakage

S IRIS/ECT/RFET/PSEC For Heat Exchanger Tubes
P In-Service Robotic Inspection for Storage Tanks
E Alternating Current Field Measurement (ACFM)
C LRUT for Inaccessible or Underground Pipelines
I FTIS For Furnace Tubes
A AUT For Pipelines
L Crawler Radiography for Pipelines
I Corrosion Mapping for Vessels, Pipelines
Z Corrosion Under Pipe Support (CUPS)
E Phased Array
D Time of Flight Diffraction (TOFD)
 Pulsed Eddy Current
 Leak Testing
 Acoustic Emission Testing



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All NDT technicians possess ASNT & PCN Level II qualification in multiple disciplines of NDT. For every NDT work undertaken we depute qualified and industry experienced NDT technicians to execute the job to full satisfaction of client requirement complying to the highest level of safety standards.

EILAB deploys Rope Access IRATA Level III supervisors along with IRATA Level I/II technicians to serve the needs of Oil and Gas, Marine and General Engineering Industry to facilitate working at heights and "Normally difficult to Access" locations.

All the Rope Access Supervisors possess IRATA Level III qualification whose credentials are integrated with multi-discipline NDT ASNT Level II qualification in NDT techniques.

Technicians with ASNT Level II qualification in NDT are being continually trained to acquire IRATA Level I/ Level II qualification in Rope Access.

Rope Access Personnel maintain the highest level of safety by strict adherence to comprehensive Industrial Rope Access Trade Association (IRATA) guidelines for techniques, training, and supervision.





API Inspection

Shutdown or In-line inspection works at process plants in petroleum and petrochemical industries are undertaken by our extensively experienced Plant Inspectors certified in multiple API Inspection codes as below.

API 510 - Pressure Vessel Inspection Code: In-Service Inspection, Rating, Repair, and Alteration.

API 570 - Piping Inspection Code: In-service Inspection, Rating, Repair, and Alteration of Piping Systems.

API 653 - Tank Inspection, Repair, Alteration, and Reconstruction.

Quality Inspection

Our Quality Inspectors ensures materials are inspected on all aspect of physical, chemical, dimensional and verify that requirements of a specification, regulation and/or contract are met.

Material Test report or certificates are reviewed in accordance with the applicable specification or contract requirement, for chemical composition, mechanical properties, heat number, dimension.

Quality Inspection Activities

MTR Review
Visual Inspection
Dimensional Inspection

Welding Inspection

Our Welding Inspectors are CSWIP and AWS qualified and has a wide variety of knowledge, including an understanding of welding drawings, symbols, and procedures; weld joint design; code and standard requirements; and inspection and testing techniques. All welding possesses ASNT NDT Level II certification.

Welding Inspection Methods

Visual Inspection – When performed correctly, a visual inspection is often the easiest and least-expensive method for many applications. However, a good-looking weld doesn't always ensure internal quality, and discontinuities aren't always visible to the naked eye. Information relating to weld size are gathered and checked.

Surface Crack Detection – Used to detect fine cracks, seams, porosity, and other surface-breaking discontinuities, surface crack detection is usually applied using one of two methods: liquid penetrant inspection or magnetic particle inspection.

Radiographic and Ultrasonic Weld Inspection – Methods known as Non-Destructive Testing (NDT) and used typically to examine the internal structure of the weld to establish the weld's integrity without destroying the welded component.

IN-LINE INSPECTION CORROSION SURVEY RELIABILITY AND FITNESS

Identifying damage conditions and the mechanisms that induce them.

We provide inspection services at each element of an asset's lifecycle that is comprised of design, construction, commissioning, operation, modifications, and decommissioning, ensuring integrity of the asset.

ASSET INTEGRITY MANAGEMENT SERVICES

- ❖ In-service Inspections and Monitoring
- ❖ Corrosion Survey and extent of deterioration
- ❖ Remaining Life Assessment
- ❖ Structural Stability Assessment
- ❖ Fitness for Service Evaluation
- ❖ Condition Assessment
- ❖ Coatings Assessment

ASSETS WE SERVICE

- ❖ Tanks, Pressure Vessels, Piping Systems
- ❖ Chillers, Heat Exchangers
- ❖ Distillation Columns
- ❖ Water Treatment Equipment
- ❖ Pumps, Evaporators
- ❖ Jacketed Vessels or Reactors
- ❖ Separators, Air-Receivers, De-Salters

And many other assets from Refineries, Platforms, Tanks Farms, Power Plants, Pharmaceuticals, Chemical and Fertilizer industries.



THAT'S HOW WE DO

Software and Data Analytics – In our service integrated with Finite Element Method Software, we promote a modern, proactive and holistic strategy for managing our clients' assets.

Risk Based Inspection – Essentially undertaken by our qualified and industry experienced Plant Inspectors to develop inspection plan based on knowledge of the risk of failure and its consequence as per API RP 580 and 581.

The inspection plan deploys techniques at a frequency that provides adequate confidence about the condition, taking account of the damage mechanisms and the reliability of the inspection techniques used.

Fitness for Service – FFS Assessment as per API 579/ASME FFS-1 along with Remaining Life Assessment have demonstrated benefits in a wide range of projects. Our FFS assessment offers a comprehensive analysis on asset's current and future integrity. It sets out for our clients a clear program of repair, inspection and mitigation actions, which, when scheduled and completed, ensure safety and reliability,

Inspection Techniques – Conventional and Advanced NDT coupled with Rope Access.

REDUCE • RELIEF • RESTRUCTURE

Post-weld Heat Treatment

Stress Relief Heat Treatment

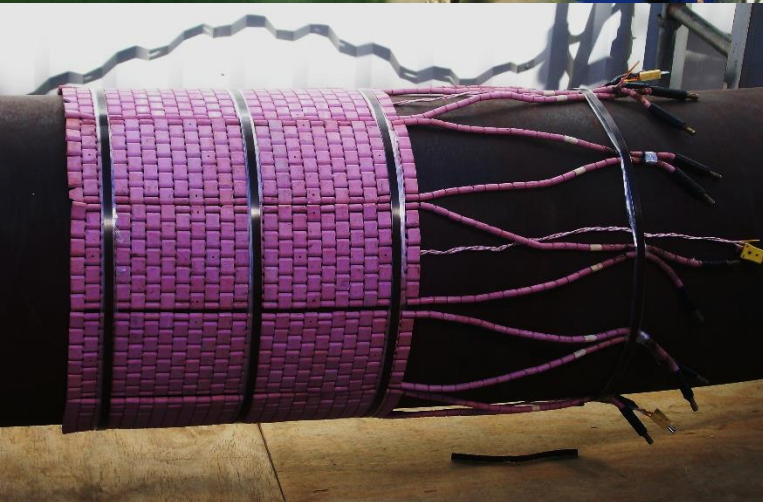
To Reduce, Redistribute and Restructure the residual stresses in the material that have been introduced by welding. PWHT is typically essential to reduce residual stresses, as a method of hardness control, or even to enhance material strength.

PWHT is performed usually after welding in order to ensure the material strength of a part is retained after welding.

The versatile equipment which operates on electrical resistance heating method is also portable to be carried to jobs and conduct the treatment 'in-situ'. With advanced control equipment, all the operations of heat treatment services are managed efficiently to the strict tolerances.

With a fleet of over 50 PWHT machines, we bolster our specialty services.

With a team of highly skilled and experienced PWHT technicians, we serve customers in fabrication and heavy steel industries.



HEATING • SOAKING • COOLING

Typical cycle for ASTM A 106 Gr. B

- ❖ Heating Rate: 200°C/Hour
- ❖ Soaking: 600-620°C for 1 Hour
- ❖ Cooling: 200°C/Hour

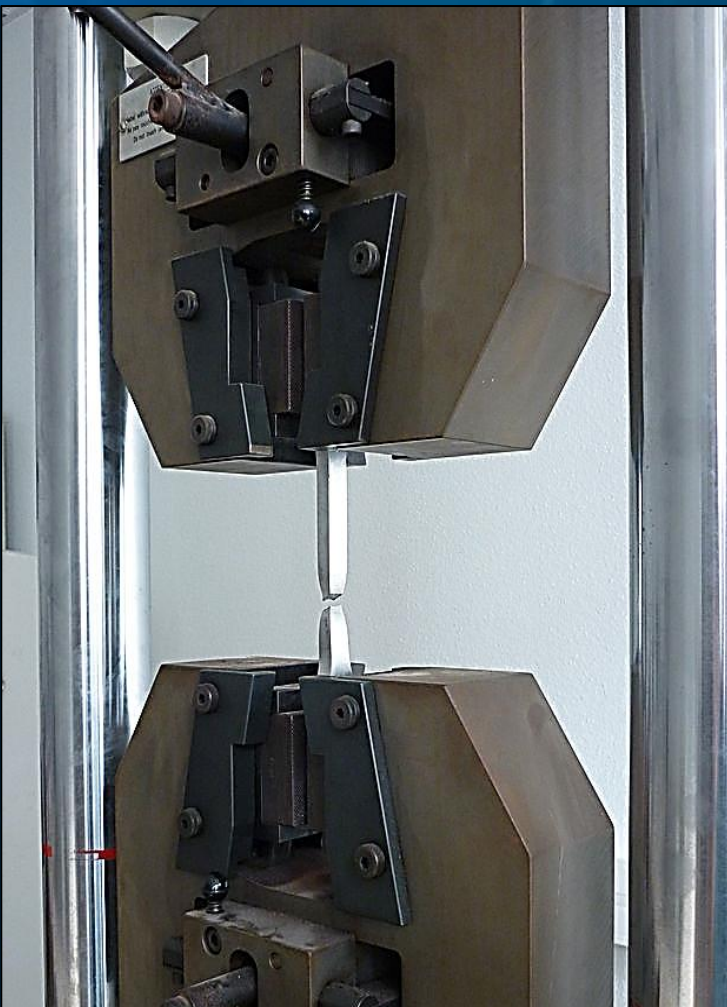
ADVANTAGES

- ❖ Improved ductility of the material
- ❖ Improved metallurgical structure
- ❖ Improved or reduced hardness
- ❖ Reduced risk of brittle fracture
- ❖ Relaxed thermal stress
- ❖ Tempered metal
- ❖ Removal of diffusible hydrogen (to prevent hydrogen induced cracking)

TENSION IT ALL

Ferrous and Non-ferrous Metal Mechanical Testing

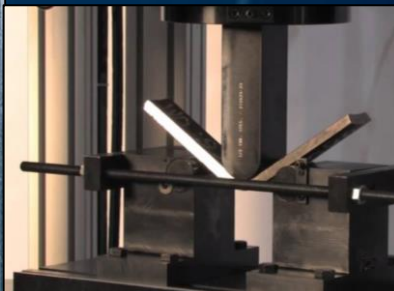
Mechanical testing laboratory is one of our core testing service. With mechanical testing, we cover wide of test which primarily aims to determine a material's mechanical properties.



Why Mechanical & Destructive Tests!!

At our full-fledged mechanical testing laboratory, we carry out a variety of tests to determine the mechanical properties intrinsic to the material and to qualify materials as per international standard after materials are given thermomechanical treatment.

- ❖ Base Material Test for compliance to material specification
- ❖ Welder Qualification Test to certify the welder proficiency
- ❖ Welder Procedure Qualification Test to verify the welding procedure



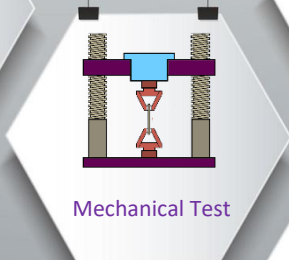
Complete Set of Mechanical Tests

- ❖ Tensile Test, transverse/longitudinal to establish the properties such as Young modulus, yield (or proof) stress, tensile stress and % elongation to failure
- ❖ 3-point or 4-point longitudinal/transverse bend tests
- ❖ Nick break & fracture tests on welded joints to check the weld soundness
- ❖ Charpy impact test specimens at ambient or cryogenic temperatures
- ❖ Hardness test using a variety of hardness testers (Brinell, Rockwell, Vickers)
- ❖ Micro hardness measurements

Leeb hardness tests as well as ferrite measurements are carried out at site by using portable equipment. Such testing is particularly suited for jobs that do not allow the samples to be transported to the laboratory.



Metallography



Mechanical Test



Failure Analysis



Case Depth



Micro Hardness



METALLOGRAPHY

A team of qualified and experienced metallurgists perform the metallurgical evaluation of samples by metallography. Scanning Electron Microscopy (SEM/EDS) equipment provides magnification to 300,000X for microanalysis of very small samples and areas of interest. Tests include but not limited to.

- ❖ Microstructural Evaluation
- ❖ Grain Size Measurement
- ❖ Inclusion Count
- ❖ Ferrite Content
- ❖ Coating Thickness
- ❖ Case Depth
- ❖ Carburizing
- ❖ Thermal Damage
- ❖ Micro Hardness

Macroscopic and microscopic examinations, give information about defects, flow pattern after forging, rolling direction, inclusion content/cleanliness, type of structure (austenite/ferrite/bainite/martensite), grain size, amount of ferrite, depth of (de)carburization etc.

Field metallography testing by replica technique is the specialty of EILAB & extensively utilized for the evaluation of boiler tubes, heat exchanger tubes, reactors, furnace tubes, with respect to any microstructural degradation caused due to the varied operating conditions.

CORROSION AND OTHER SPECIALIZED TEST

Corrosion tests to check susceptibility to inter Granular Corrosion, Pitting Corrosion, Stress Corrosion cracking under Sulfide, Chloride and other halides and hydrogen induced cracking are performed at our test house. Fracture tests like CTOD and K_{Ic} (Strain Fracture Toughness) are also undertaken.

FAILURE ANALYSIS

In every industry extensive effort are deployed to prevent/minimize incidents caused by material failure. After such an incident, determining the root cause is not only important for the issue of legal liability. It also enables manufacturers, owners and operators to improve their procedures and carry out maintenance preventing further damage and injuries.

Our failure analysis services are used by steel manufacturers and distributors, insurance companies, engineering companies, heavy industries, petroleum industries and government bodies.

The failure analysis department of our laboratory has a team of highly skilled and experienced metallurgist. Their work is an interdisciplinary investigation which combines mechanical, metallurgical, and chemical testing. If necessary, our in-house NDT competences are also used to create complete picture of what caused the material failure.



Fracture Surface – Fatigue Failure

The final reports provide details of investigation, causes of failure and remedial actions/recommendations.



SO IT REACTS

Analytical Chemical Testing

EILAB Chemistry department is equipped to conduct analysis of metal, oil, gas, drilling fluids, chemicals, mud, effluents etc. and also help the industry by providing extensive consultancy in identifying & cross-checking the material's elemental composition, comparing results, analyzing and investigating, arbitrations on material selection & evaluation. The tests conducted regularly are highlighted below:

- ❖ Analysis of precious metals
- ❖ Scales analysis
- ❖ Potable and wastewater analysis
- ❖ Effluent and Sludge analysis
- ❖ Soil, Cement, Fly ash
- ❖ Refractories analysis
- ❖ Analysis of drilling fluids
- ❖ Analysis of ores and minerals
- ❖ Industrial effluents analysis
- ❖ Mud analysis
- ❖ Paints analysis
- ❖ Oils and Fuels analysis

Analytical Chemical Instrument



Optical Emission Spectroscope:
Stationary metal analyzer, material testing to each constituent elements, including metal analysis of carbon, phosphorous, sulfur and nitrogen.



Inductively coupled plasma - optical emission spectrometry:
ICP-OES spectrometers measure the concentration of elements from ppb or ppt to % using de-excitation of atoms and ions in a plasma.



Gas Chromatography:
Used to measure the chemical composition in gases and evaporable liquids in all stages of production and in all areas of refineries, oil refining, and chemical industries.



Atomic Absorption Spectrometer:
Quantitative determination of chemical elements using optical absorption. AAS can be used to determine over 70 different elements in solution, or directly in solid samples.



Melting Point and Dropping Point:
Used to measure melting point, melting range, boiling point, slip melting point and cloud point fully automatically.



Thermal Analysis/Calorimetry:
Used to measure properties of a material at different temperatures, like, mass, dimension, optical properties, gaseous decomposition products, heat difference, and temperature difference.



pH Meter:
Everything needed for precise and fast pH, conductivity, ion concentration, ORP and dissolved oxygen measurements.



Titration:
Concentration determination with highest precision and productivity. Complete range of titrators and accessories covering most titration applications.

MICROBIOLOGICAL, ENVIRONMENTAL AND FIELD TEST

Our laboratory is equipped with Microbiological Tests on water and other liquid samples, with the testing like Biocides Evaluation, COD and BOD Levels etc.

We also provide Environmental Testing Services by conduction Air Monitoring – Ambient and Stack Emissions, Noise Level Measurements.

We provide in-situ laboratory services on site or fields. This facility is utilized by various Oil and Gas producing companies wherever site analysis is called for. The field staff of EILAB Chemistry department regularly perform PMI, sampling, analysis at various offshore

MAJOR SERVICES

- ❖ NDT
- ❖ Field Inspection Services
- ❖ Asset Integrity Management Services
- ❖ PWHT Services
- ❖ Mechanical Testing
- ❖ Metallurgical Evaluation
- ❖ Analytical Chemical Laboratory

HIGHLIGHTS OF MAJOR PROJECTS WHERE OUR SERVICES UTILIZED

- ❖ Noor Energy DEWA - ACWA POWER
- ❖ Expo 2020
- ❖ Expolink 2020
- ❖ DEWA Plants & Projects
- ❖ Oil Terminal & Jetty at HFZA
- ❖ Dubai International Airport & Expansion Projects
- ❖ New Doha International Airport
- ❖ Airport Cargo Terminal
- ❖ Sour Service Equipment Offshore & Das Island
- ❖ Ruwais Refinery Expansion
- ❖ UAE Takreer Projects
- ❖ Foroozan Enhancement Project
- ❖ MIRFA to HABSHAN Project
- ❖ ZADCO Storage Tanks
- ❖ Palm Jumeirah Sofitel Resort

SOME OF OUR MAJOR CLIENTS

- | | |
|---------------|--------------------|
| ❖ DEWA, RTA | ❖ ENOC |
| ❖ ADNOC | ❖ BUNDUQ |
| ❖ ADMA OPCO | ❖ DRYDOCKS DUBAI |
| ❖ ADGAS | ❖ LAMPRELL |
| ❖ PETROFAC | ❖ DUCAST |
| ❖ ADPC | ❖ EMAL |
| ❖ SAIPEM | ❖ AL NABOODAH |
| ❖ BECHTEL | ❖ VTTI FUJAIRAH |
| ❖ ZADCO | ❖ SAMSUNG ENG. |
| ❖ BOROGUE | ❖ ASSENT |
| ❖ EVERSENDAL | ❖ GALADARI ENG. |
| ❖ CBEME | ❖ GENERAL ELECTRIC |
| ❖ CHINA STATE | ❖ SIEMENS |



OVER THREE DECADES OF PROFESSIONAL EXCELLENCE

Analytical and Technical Laboratory in the Middle East having Metallurgy, Mechanical Testing, Chemical Testing, NDT, Marine Survey, Field Inspection, Asset Integrity Services and PWHT facilities all under one roof that employs over 100 professionals.

Versatile Integrated Quality Management System and International Approval such as

- ❖ ISO 9001:2105
- ❖ ISO 14001:2015
- ❖ ISO 45001:2018
- ❖ ISO/IEC 17025:2017
- ❖ ISO/IEC 17020:2012
- ❖ Approvals by local Legal Authorities-Civil Defense, FANR & Municipalities for carrying out RT with radioactive isotopes
- ❖ Approval by ABS & RINA for conducting NDT
- ❖ Approval by Lloyds, ABS, DNV-GL, Bureau VERITAS, NKK, RINA for Ultrasonic thickness survey
- ❖ Approvals by all major petroleum companies in the U.A.E. and other Middle East countries.

TEAM OF PROFESSIONAL EXPERTS

- ❖ Metallurgist
- ❖ Chemists
- ❖ QA/QC Engineers
- ❖ Welding Inspectors
- ❖ API Inspectors
- ❖ Painting/Coating Inspectors
- ❖ Corrosion Engineers
- ❖ Level III NDE Supervisors
- ❖ ASNT/PCN Qualified Level I & II Level NDT Technicians
- ❖ Experienced PWHT Technicians
- ❖ IRATA Level III Rope Access Supervisors
- ❖ IRATA Level I & II qualified rope Access NDT Technicians



Since 1984

Emirates

Industrial Laboratory

Oilfield • Marine • Industrial

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Emirates

Industrial Laboratory

Oilfield • Marine • Industrial

38
YEARS

CERTIFICATES

CERTIFICATE

Management system as per
ISO 9001 : 2015

The Certification Body TÜV Middle East hereby confirms as a result of the audit, assessment and certification decision according to ISO/IEC 17021-1:2015, that the organization

EMIRATES INDUSTRIAL LABORATORY LLC.
Inside Drydocksworld, Makani No. 25971 93269
Jumeirah Road, Dubai
United Arab Emirates



**EMIRATES
INDUSTRIAL LABORATORY**
Oilfield, Marine and Industrial Consultants

operates a management system in accordance with the requirements of ISO 9001 : 2015 and will be assessed through periodic surveillance audits for conformity within the validity of the certificate.

Scope

Inspection, testing and analytical services for projects, engineering materials, fluids and related equipment for offshore and onshore oil & gas, marine, power and infrastructure industry using specialist manpower with the provision of the following:
Chemical, mechanical, metallurgical, Failure investigation and corrosion survey,
Non destructive testing and heat treatment, Condition assessment & integrity management

Certificate Registration No. IAS 01 2100022
Audit Report No. 8000 0038

Valid from 15-02-2022
Valid until 14-02-2025
Initial certification 2019



Certification Body
TÜV Middle East

Abu Dhabi, 19-10-2021

TÜV Middle East, Mezzanine Floor, Danat Tower A, Airport Road, P.O. Box 46030, Abu Dhabi, UAE

www.tuvme.com



CERTIFICATE

Management system as per
ISO 14001 : 2015

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Chemical, mechanical, metallurgical, Failure investigation and corrosion survey,
Non destructive testing and heat treatment, Condition assessment & integrity management

Certificate Registration No. IAS 02 2100022
Audit Report No. 8000 0039

Valid from 15-02-2022
Valid until 14-02-2025
Initial certification 2019



Certification Body
TÜV Middle East

Abu Dhabi, 19-10-2021

TÜV Middle East, Mezzanine Floor, Danat Tower A, Airport Road, P.O. Box 46030, Abu Dhabi, UAE

www.tuvme.com



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Management system as per
ISO 45001 : 2018

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operates a management system in accordance with the requirements of ISO 45001 : 2018 and will be assessed through periodic surveillance audits for conformity within the validity of the certificate.

Scope

Inspection, testing and analytical services for projects, engineering materials, fluids and related equipment for offshore and onshore oil & gas, marine, power and infrastructure industry using specialist manpower with the provision of the following:
Chemical, mechanical, metallurgical, Failure investigation and corrosion survey,
Non destructive testing and heat treatment, Condition assessment & integrity management

Certificate Registration No. IAS 03 2100022
Audit Report No. 8000 0040

Valid from 15-02-2022
Valid until 14-02-2025
Initial certification 2019



Certification Body
TÜV Middle East

Abu Dhabi, 19-10-2021

TÜV Middle East, Mezzanine Floor, Danat Tower A, Airport Road, P.O. Box 46030, Abu Dhabi, UAE

www.tuvme.com





ACCREDITATION CERTIFICATE

IB-141

Emirates International Accreditation Centre

has accredited

EMIRATES INDUSTRIAL LABORATORY L.L.C

Inside Dubai Dry Dock, Near Port Rashid

Dubai-United Arab Emirates

In accordance with the requirements of

ISO/IEC 17020:2012

Conformity Assessment-Requirements for the operation of various types of bodies

performing inspection

to undertake the tests in the attached accreditation scope

This Accreditation is invalid without the attached accreditation scope and shall remain in force within the validity period printed below, subject to continuing compliance with the requirements of the accreditation criteria.

Validity: 23/09/2021 to 01/08/2024

Initial Accreditation Date: 02/08/2018




CHIEF EXECUTIVE OFFICER
APPROVAL



Scope of Accreditation

IB-141

Emirates Industrial Laboratory L.L.C

Inside Dubai Dry Dock, Near Port Rashid

Dubai- United Arab Emirates

Issue No.: 04

Date: 23-09-2021

Valid to: 01-08-2024

Accreditation History			
Issue no.	Scope Name	Details	Date
04	Nondestructive Testing	Renewal accreditation from EIAC	23-09-2021
03	Nondestructive Testing	First issuance under the name of EIAC (Formerly	15-03-2020
02	Nondestructive Testing	Extension in scope	12-09-2018
01	Nondestructive Testing	Granted accreditation form Dubai Accreditation	02-08-2018

Scope of Accreditation
IB-141

Emirates Industrial Laboratory L.L.C

Inside Dubai Dry Dock, Near Port Rashid

Dubai- United Arab Emirates

Issue No.: 04

Date: 23-09-2021

Valid to: 01-08-2024

Inspection Category	Inspection field	Range of inspection	Stage of Inspection	Inspection criteria	Inspection Activity Type
Product	Structural Engineering of Welds and Materials	Liquid penetrant examination (PT)	New construction	ASME Section V	A
		- Visual	In-service	BS EN ISO 3452-1	
		- Fluorescent			
		Magnetic particle examination (MT)	New construction	ASME Section V	A
		- Visual	In-service	BS EN ISO 17638	
		- Fluorescent			
		Ultrasonic testing – flaw detection	New construction	ASME Section V	A
			In-service	BS EN ISO 17640 AWS D 1.1	
	Mechanical and Structural Engineering of Metallic Products	Ultrasonic testing - thickness measurement	New construction	ASME Section V	A
			In-service		
		Radiographic examination (RT)	New construction	ASME Section V	A
			In-service	BS EN ISO 17636-1 AWS D 1.1	
		Visual examination (VT)	New construction	ASME Section V	A
		- Direct visual examination	In-service	BS EN ISO 17637	
		- Remote visual examination			
		Paint coating thickness measurement	New construction	SSPC PA-9	A
			In-service		
		Hardness testing	New construction	ASTM E 110	A
			In-service	ASTM A956	
		Metals identification, grade verification and sorting (PMI)	New construction	ASTM E1476	A
			In-service		
		Spectrometric testing	New construction	ASTM E415	A
			In-service	ASTM E 1086	
		Ferrite measurement	New construction	ASTM A800	A
			In-service	BS EN ISO 8249	
		Leak testing	New construction	ASME Section V	A
			In-service		



ACCREDITATION CERTIFICATE

LB-TEST-018

Emirates International Accreditation Centre

has accredited

EMIRATES INDUSTRIAL LABORATORY (LLC)

Inside Dubai Dry Dock, Near Port Rashid

Dubai - United Arab Emirates

In accordance with the requirements of

ISO/IEC 17025:2017

General requirements for the competence of testing and calibration laboratories
to undertake the tests in the attached accreditation scope

This Accreditation is invalid without the attached accreditation scope and shall remain in force within the validity
period printed below, subject to continuing compliance with the requirements of the accreditation criteria.

Validity: 21/06/2021 to 24/05/2024

Initial Accreditation Date: 15/01/2002




CHIEF EXECUTIVE OFFICER
APPROVAL



Accreditation Scope

Metallurgical Testing

LB-TEST-018

Emirates Industrial Laboratory (LLC)

Inside Dubai Dry Dock, Near Port Rashid

Dubai- United Arab Emirates

Issue no.: 06

Date: 21-06-2021

Valid to: 24-05-2024

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical / Mechanical Testing	Steel (Base Metal)	Standard Test Methods and Definitions for Mechanical Testing of Steel Products	ASTM A370
Physical / Mechanical Testing	Steel (Base Metal)	Metallic materials. Tensile testing. Method of test at ambient temperature Tension testing of metallic materials	BS EN ISO 6892 Part 1
Physical / Mechanical Testing	Steel (Base Metal)	Determining average Grain Size	ASTM E112 (Linear & Circular Intercept Methods)

Accreditation Scope

Metallurgical Testing

LB-TEST-018

Emirates Industrial Laboratory (LLC)

Inside Dubai Dry Dock, Near Port Rashid

Dubai- United Arab Emirates

Issue no.: 06

Date: 21-06-2021

Valid to: 24-05-2024

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical / Mechanical Testing	Steel (Base Metal)	Standard Test Methods and Definitions for Mechanical Testing of Steel Products-Bend test	ASTM A370
Physical / Mechanical Testing	Steel (Base Metal)	Standard Test Methods and Definitions for Mechanical Testing of Steel Products Notched Bar Impact	ASTM A370
Physical / Mechanical Testing	Steel (Base Metal)	Standard Test Methods for Notched Bar Impact Testing of Metallic Materials	ASTM E23

Accreditation Scope
Metallurgical Testing
LB-TEST-018

Emirates Industrial Laboratory (LLC)

Inside Dubai Dry Dock, Near Port Rashid

Dubai- United Arab Emirates

Issue no.: 06

Date: 21-06-2021

Valid to: 24-05-2024

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical / Mechanical Testing	Steel (Base Metal)	Metallic materials. Charpy pendulum impact test. Test method- Charpy Impact Test	BS EN ISO 148 Part 1
Physical / Mechanical Testing	Steel (Base Metal)	Standard Test Methods and Definitions for Mechanical Testing of Steel Products Vickers Hardness test	ASTM A370
Physical / Mechanical Testing	Steel (Base Metal)	Standard Test Method for Knoop and Vickers Hardness of Materials	ASTM E92

Accreditation Scope

Metallurgical Testing

LB-TEST-018

Emirates Industrial Laboratory (LLC)

Inside Dubai Dry Dock, Near Port Rashid

Dubai- United Arab Emirates

Issue no.: 06

Date: 21-06-2021

Valid to: 24-05-2024

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical / Mechanical Testing	Steel (Base Metal)	Metallic materials. Vickers Hardness test. Test Method (HV5, 10) - Vickers Hardness Test	BS EN ISO 6507 Part 1
Physical / Mechanical Testing	Aluminum	Standard Test Methods for tension testing wrought and cast aluminum - and Magnesium - Alloy Products	ASTM B557
Physical / Mechanical Testing	Welded samples & All kinds of Fabricated, Structural, Oil and Gas Materials	Qualificaion Standard for Welding and Brazing Procedures. Welders, Brazers, and welding and brazing operators	ASME IX

Accreditation Scope

Metallurgical Testing

LB-TEST-018

Emirates Industrial Laboratory (LLC)

Inside Dubai Dry Dock, Near Port Rashid

Dubai- United Arab Emirates

Issue no.: 06

Date: 21-06-2021

Valid to: 24-05-2024

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical / Mechanical Testing	Welded samples & All kinds of Fabricated, Structural, Oil and Gas Materials	Structural Welding Codes - Steel	AWS D1.1
Physical / Mechanical Testing	Welded samples & All kinds of Fabricated, Structural, Oil and Gas Materials	Structural Welding Codes - Aluminum	AWS D1.2
Physical / Mechanical Testing	Welded samples & All kinds of Fabricated, Structural, Oil and Gas Materials	Structural Welding Codes - Stainless Steel	AWS D1.6
Physical / Mechanical Testing	Welded samples & All kinds of Fabricated, Structural, Oil and Gas Materials	Destructive tests on welds in metallic materials- Bend Test	BS EN 5173

Accreditation Scope

Metallurgical Testing

LB-TEST-018

Emirates Industrial Laboratory (LLC)

Inside Dubai Dry Dock, Near Port Rashid

Dubai- United Arab Emirates

Issue no.: 06

Date: 21-06-2021

Valid to: 24-05-2024

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical / Mechanical Testing	Welded samples & All kinds of Fabricated, Structural, Oil and Gas Materials	Specification and Qualification of Welding Procedures for Metallic Materials. Welding procedure test. Arc and Gas welding of Steels and Arc welding of Nickel and Nickel Alloys - Bend Test	BS EN 15614 Part 1
Physical / Mechanical Testing	Welded samples & All kinds of Fabricated, Structural, Oil and Gas Materials	Qualificaion Standard for Welding and Brazing Procedures. Welders, Brazers, and welding and brazing operators	ASME IX

Accreditation Scope

Metallurgical Testing

LB-TEST-018

Emirates Industrial Laboratory (LLC)

Inside Dubai Dry Dock, Near Port Rashid

Dubai- United Arab Emirates

Issue no.: 06

Date: 21-06-2021

Valid to: 24-05-2024

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical / Mechanical Testing	Welded samples & All kinds of Fabricated, Structural, Oil and Gas Materials	Structural Welding Codes - Steel	AWS D1.1
Physical / Mechanical Testing	Welded samples & All kinds of Fabricated, Structural, Oil and Gas Materials	Structural Welding Codes - Aluminum	AWS D1.2
Physical / Mechanical Testing	Welded samples & All kinds of Fabricated, Structural, Oil and Gas Materials	Destructive test on weld in metallic materials. Impact Tests. Test Specimen Location, Notch Orientation and Examination - Charpy Impact Test.	BS EN ISO 9016

Accreditation Scope

Metallurgical Testing

LB-TEST-018

Emirates Industrial Laboratory (LLC)

Inside Dubai Dry Dock, Near Port Rashid

Dubai- United Arab Emirates

Issue no.: 06

Date: 21-06-2021

Valid to: 24-05-2024

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical / Mechanical Testing	Welded samples & All kinds of Fabricated, Structural, Oil and Gas Materials	Specification and Qualification of Welding Procedures for Metallic Materials. Welding procedure test. Arc and Gas welding of Steels and Arc welding of Nickel and Nickel Alloys - Charpy Impact Test	BS EN 15614 Part 1
Physical / Mechanical Testing	Welded samples & All kinds of Fabricated, Structural, Oil and Gas Materials	Qualificaion Standard for Welding and Brazing Procedures. Welders, Brazers, and welding and brazing operators	ASME IX

Accreditation Scope

Metallurgical Testing

LB-TEST-018

Emirates Industrial Laboratory (LLC)

Inside Dubai Dry Dock, Near Port Rashid

Dubai- United Arab Emirates

Issue no.: 06

Date: 21-06-2021

Valid to: 24-05-2024

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical / Mechanical Testing	Welded samples & All kinds of Fabricated, Structural, Oil and Gas Materials	Structural Welding Codes - Stainless Steel	AWS D1.6
Physical / Mechanical Testing	Welded samples & All kinds of Fabricated, Structural, Oil and Gas Materials	Welding of Pipeline and Related Facilities	API 1104
Physical / Mechanical Testing	Welded samples & All kinds of Fabricated, Structural, Oil and Gas Materials	Destructive test on welds in Metallic Materials. Transverse Tensile Test - Tesnile Test	BS EN ISO 4136

Accreditation Scope

Metallurgical Testing

LB-TEST-018

Emirates Industrial Laboratory (LLC)

Inside Dubai Dry Dock, Near Port Rashid

Dubai- United Arab Emirates

Issue no.: 06

Date: 21-06-2021

Valid to: 24-05-2024

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical / Mechanical Testing	Welded samples & All kinds of Fabricated, Structural, Oil and Gas Materials	Specification and Qualification of Welding Procedures for Metallic Materials. Welding procedure test. Arc and Gas welding of Steels and Arc welding of Nickel and Nickel Alloys - Tensile Test	BS EN 15614 Part 1
Physical / Mechanical Testing	Welded samples & All kinds of Fabricated, Structural, Oil and Gas Materials	Qualificaion Standard for Welding and Brazing Procedures. Welders, Brazers, and welding and brazing operators	ASME IX

Accreditation Scope

Metallurgical Testing

LB-TEST-018

Emirates Industrial Laboratory (LLC)

Inside Dubai Dry Dock, Near Port Rashid

Dubai- United Arab Emirates

Issue no.: 06

Date: 21-06-2021

Valid to: 24-05-2024

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical / Mechanical Testing	Welded samples & All kinds of Fabricated, Structural, Oil and Gas Materials	Structural Welding Codes - Steel	AWS D1.1
Physical / Mechanical Testing	Welded samples & All kinds of Fabricated, Structural, Oil and Gas Materials	Destructive tests on welds in metallic materials. Macroscopic and Microscopic examination of welds. - Macro Examination Test.	BS EN ISO 17639

Accreditation Scope

Metallurgical Testing

LB-TEST-018

Emirates Industrial Laboratory (LLC)

Inside Dubai Dry Dock, Near Port Rashid

Dubai- United Arab Emirates

Issue no.: 06

Date: 21-06-2021

Valid to: 24-05-2024

Type of Activity	Test Materials/Products	Test Name	Test Method
Physical / Mechanical Testing	Welded samples & All kinds of Fabricated, Structural, Oil and Gas Materials	Specification and Qualification of Welding Procedures for Metallic Materials. Welding procedure test. Arc and Gas welding of Steels and Arc welding of Nickel and Nickel Alloys	ASME IX AWS D1.1
Physical / Mechanical Testing	Welded samples & All kinds of Fabricated, Structural, Oil and Gas Materials	Destructive test on welds in Metallic Materials. Hardness Testing. Hardness testing on arc welded joints. Vickers Hardness Test	BS EN 15614 Part1 EN ISO 9015 Part 1

Accreditation Scope

Metallurgical Testing

LB-TEST-018

Emirates Industrial Laboratory (LLC)

Inside Dubai Dry Dock, Near Port Rashid

Dubai- United Arab Emirates

Issue no.: 06

Date: 21-06-2021

Valid to: 24-05-2024

Type of Activity	Test Materials/Products	Test Name	Test Method
Mechanical Testing	Steel (Base Metal)	Standard test method for Rockwell Hardness test of Metallic Materials (HRC)	ASTM E18 BS EN ISO 6508
Chemical Analysis	Carbon Steel	Chemical analysis of Carbon Steel by Spark Atomic Emission Spectrometry	ASTM E415
Chemical Analysis	Austenitic Stainless Steel	Chemical analysis of Austenitic Stainless Steel by Spark Atomic Emission Spectrometry	ASTM E1086

Accreditation Scope

Metallurgical Testing

LB-TEST-018

Emirates Industrial Laboratory (LLC)

Inside Dubai Dry Dock, Near Port Rashid

Dubai- United Arab Emirates

Issue no.: 06

Date: 21-06-2021

Valid to: 24-05-2024

Type of Activity	Test Materials/Products	Test Name	Test Method
Metallography	Steel (Base Metal)	Standard Test Method for Determining Volume Fraction by Systematic Manual Point Count	ASTM E562
Metallurgical Testing	Metallic Materials	Standard Test Methods for Determining Average Grain Size	ASTM E112
Corrosion Testing	Stainless Steel	Standard Practices for Detecting Susceptibility to Intergranular Attack in Austenitic Stainless Steels - Practice E	ASTM A262 (Practice E)

Accreditation Scope

Metallurgical Testing

LB-TEST-018

Emirates Industrial Laboratory (LLC)

Inside Dubai Dry Dock, Near Port Rashid

Dubai- United Arab Emirates

Issue no.: 06

Date: 21-06-2021

Valid to: 24-05-2024

Type of Activity	Test Materials/Products	Test Name	Test Method
Corrosion Testing	Stainless Steel & Related alloys	Standard Test Methods for Pitting and Crevice Corrosion Resistance of Stainless Steels and Related Alloys by Use of Ferric Chloride Solution - Method A	ASTM G48 Method A

Accreditation History		
Issue no.	Details	Date
06	Renewal accreditation from EIAC and extension in scope (add Metallurgical Testing-Determining Average Grain Size, Corrosion Testing-ASTM A262 and ASTM G48)	21-06-2021
05	Extension in scope and first issuance under the name of EIAC (which was formerly known as DAC)	01-07-2019

License No.:

FANR/2016/138

رقم الترخيص:

ترخيص لممارسة نشاط خاضع للرقابة يتضمن مواد خاضعة للرقابة [مصادر مشعة، أو مواد نووية أو مفردات خاضعة للرقابة]

**Licence to Conduct a Regulated Activity Involving Regulated Material
[Radiation Sources, Nuclear Material or Regulated Items]**

Under the powers provided in Articles (6) and (28)(3)(a) of Federal Law by Decree No. 6 of 2009 Concerning the Peaceful Uses of Nuclear Energy (the Law) and based on a submitted application for a Licence, the Federal Authority for Nuclear Regulation (the Authority) hereby grants this Licence to:

بموجب الصلاحيات المنصوص عليها في المادتين (6) و(28)(3)(أ) من "المرسوم بقانون اتحادي رقم (6) لسنة 2009 في شأن الاستعمالات السلمية للطاقة النووية" (القانون)، أصدرت "الهيئة الاتحادية للرقابة النووية" (الهيئة) هذا الترخيص إلى

EMIRATES INDUSTRIAL LABORATORY L.L.C.

P.O.Box: 6892, JUMEIRA FIRST, Dubai

مختبر الإمارات الصناعي ش.ذ.م.م

ص.ب: 6892 ، جميرا الأولى، دبي

Hereafter referred to as the Licensee

والمشار إليه فيما بعد بالمرخص له

Regulated Activities authorised by the Licence:

الأنشطة الخاضعة للرقابة المصرح بممارستها بموجب الترخيص:

The Licence authorises the Licensee to conduct the following Regulated Activities set forth in Article (25) of the Law:

يسمح هذا الترخيص للمرخص له بممارسة الأنشطة التالية الخاضعة للرقابة والواردة في المادة 25 من القانون:

Possession, Use, Storage, Import, Export, Transport

حيازة، استخدام، تخزين، إستيراد، التصدير، النقل

For the purpose of:

وذلك لغرض:

Analytical Techniques, Industrial Radiography

التقنيات التحليلية، التصوير الصناعي

The Regulated Material involved in the Regulated Activity authorized by the Licence is listed in attachment 1 hereto.

المواد الخاضعة للرقابة المستخدمة في النشاط الخاضع للرقابة المصرح بممارسته بموجب الترخيص مُدرجة في الجدول (1) المرفق بهذا الترخيص

Licence Conditions:

شروط الترخيص:

- General Conditions: see attachment 2

- شروط عامة: انظر الملحق (2)

- Special Condition: None

- شروط خاصة: لا يوجد

This Licence is granted without prejudice to any future decision of the Authority regarding the Regulated Activities authorized by the Licence and involved Regulated Material

يُمنح هذا الترخيص بدون الإخلال بأي قرار مستقبلي تتخذه الهيئة فيما يتعلق بالأنشطة الخاضعة للرقابة المصرح بممارستها بموجب الترخيص وتتضمن مواد خاضعة للرقابة

Christer Viktorsson
Director General



كريستر فيكتورسن
المدير العام

Date of Issue:

05/05/2021

تاريخ الإصدار:

Expiry Date:

05/05/2024

تاريخ الانتهاء:

APPROVAL OF SERVICE SUPPLIERS

This is to certify that

Emirates Industrial Laboratory L.L.C

DUBAI, United Arab Emirates

is granted acceptance for

**Non-Destructive Testing (NDT) on classification projects , in accordance with
Class Programme DNVGL-CP-0484.**

This service supplier certificate will be accepted for use with all rule sets published by DNV GL.
See the following page(s) for details regarding application.

This Certificate is valid until **2023-05-31**.

Issued at **New Building Dubai** on **2020-06-01**



for **DNV GL**

This document has been digitally signed and
will therefore not have handwritten signatures

Chacko, Dixon
Senior Surveyor

This Certificate may be withdrawn if:

1. The service provided has been improperly carried out or the results improperly reported.
2. The surveyor has found any deficiencies in the accepted operating systems of the service supplier.
3. The firm has failed to inform of any major changes having effect on the quality of the service rendered.
4. The conditions listed in the certificate are changed and/or are not fulfilled.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV GL AS, its parent companies and subsidiaries as well as their officers, directors and employees ("DNV GL") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



Certificate No: **AOSS0000GHR**

Application:

Emirates Industrial Laboratory L.L.C has been approved for the below NDT methods with limitations and restrictions as specified in section for Remarks.

- Magnetic Particle Testing, MT
- Penetrant Testing, PT
- Ultrasonic Testing, UT
- Radiographic Testing, RT

Remarks:

1. Renewal audit of the service supplier was carried out on 29 February 2020.
2. The service supplier, EIL undertakes the responsibility to notify DNV GL about any changes to the procedures or the personnel prior to the changes coming into effect.
3. The certificate is based upon the following conditions:
 - The requirements stated in DNV GL approval Programme DNVGL-CP-0484, B04 continues to be met.
 - EIL shall only work according to approved NDT procedures filed under Nauticus Certification Production, job ID: A0747605 and listed below:
 1. MT utilising AC Yoke and Colour Contrast Technique according to procedure no. EIL-DNV-021, rev 01, dated 27 February 2020 or later approved revision.
 2. PT utilising Colour Contrast, Solvent Removable Technique according to procedure no. EIL-DNV-020, rev 01, dated 27 February 2020 or later approved revision.
 3. UT utilising Pulse-Echo technique for full penetration welds in plates, pipes, T- and Y-joints in C, C-Mn and alloy steels and aluminium welds according to procedure no. EIL-DNV-019, rev 01, dated 27 February 2020 or later, approved revision. Testing of welds in duplex and austenitic stainless steels and tubular TKY (node) welds are excluded.
 4. RT of welds in carbon and stainless steel using x-ray, Se-75 or Ir-192 with film detectors; according to procedure no. EIL-DNV-018, rev 01, dated 27 February 2020 or later, approved revision.
 5. RT film interpretation of welds; according to procedure no. EIL-DNV-023, rev 01, dated 27 February 2020 or later, approved revision.

S No	Supervisor	Certificate No	Method	Level
1	Karbhari H. Halde	191262 (ASNT)	MT, PT, UT, RT	3
2	Santanu Saha	99511 (ASNT) 213300 (PCN)	MT, PT, UT, RT	3

S No	Operator	Certificate No	Method	Level
1	Ganesh Wilson	EIL/NDT/1338/1	RT	2
2	Manikandaprakash Jeganathan	324236 (PCN)	MT, PT, UT, RT	2
3	Riyasat Ali Khan Mohammed	310586 (PCN)	MT, PT, UT	2
4	Yogesh Sen Laxminarayan Sen	337791 (PCN)	MT, PT, UT	2
5	Govindaraj Palani	334360 (PCN)	MT, PT, UT	2

Certificate No: **AOSS0000GHR**

S No	Operator	Certificate No	Method	Level
6	Peter Esthaki	336424 (PCN)	MT, PT, UT	2
7	Raguman Sherif Basha	337313 (PCN)	RTFI	2
8	K Gowtham Krishnan	340463 (PCN)	MT, UT	2
9	S Karthikeyan P Srinivasan	340417 (PCN)	UT	2



Emirates
Industrial Laboratory
Oilfield • Marine • Industrial

38
YEARS

APPROVALS

Updating Process is ON



 Acwa Power حوا باور	 ADNOC أدنوك	 Drydocks World	 نور للطاقة 1 NOOR ENERGY1	 EXPOLINK 2020 ALSTOM acciona GERMAR	 上海电气 SHANGHAI ELECTRIC
 الحصن للغاز Al Hosn Gas	 CNPC	 اينوك enoc	 جيبك GPIC	 ALEC Building Excellence	 JGC
 BUNDUO	 دبي للبترول Dubai Petroleum	 BECHTEL	 هيئة الطرق والمواصلات ROADS & TRANSPORT AUTHORITY	 BESIX	 ادماء ADMA
 بورج Borouge	 شركة التكرير TAKREER We Refine Right	 Saipem	 هيئة كهرباء ومياه دبي Dubai Electricity & Water Authority	 ادج غاز ADGAS	 قطر غاز QATARGAS
 NPCC شركة البنية التحتية البترولية الوطنية NATIONAL PETROLEUM CONSTRUCTION COMPANY	 قطر للبترول Qatar Petroleum	 دولفين للطاقة DOLPHIN ENERGY	 Petrofac	 P	 قطر غاز QATARGAS
 غاز رأس الخيمة RAKGAS	 الكويت للنفط Kuwait Oil Co	 دولفين للطاقة DOLPHIN ENERGY	 Petrofac	 P	 جاسكو GASCO



Emirates
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38
YEARS

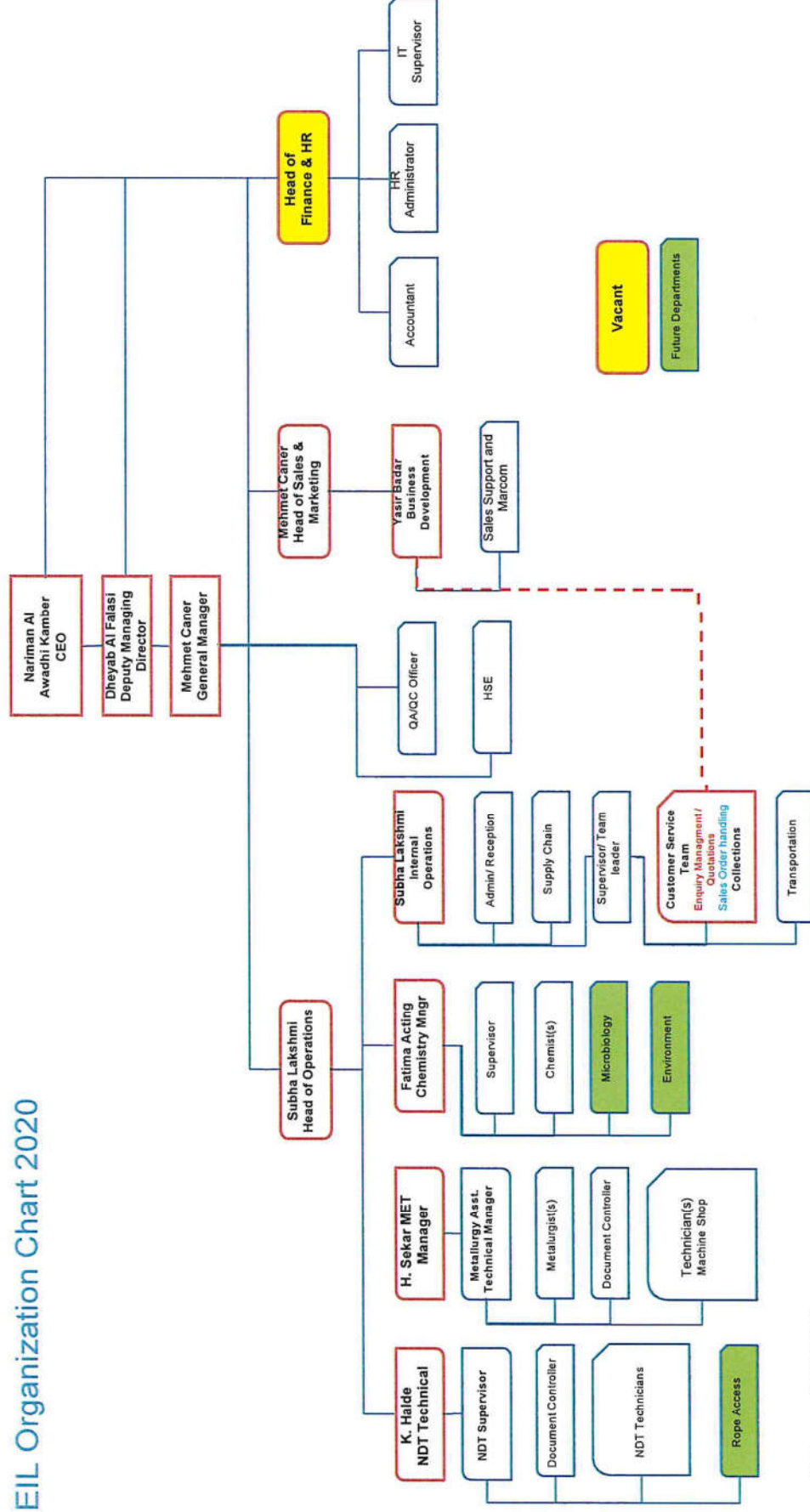
COMPANY ORGANIZATION CHART



ORGANIZATIONAL CHART

Date:01/03/2020
Version : 2
Page 01 of 01

EIL Organization Chart 2020



Issue Date : 01/03/2020

Approved By: General Manager

Mehmet Caner



Emirates 38 YEARS
Industrial Laboratory
Oilfield • Marine • Industrial

COMPANY POLICY

INTEGRATED MANAGEMENT SYSTEM

Quality policy

We at **Emirates Industrial Laboratory** is totally committed to provide high quality services to all our valuable partners. We strive to continually improve the quality management system through integrated total Quality Management. Emirates Industrial Laboratory always endeavors for the provision of best quality services to all of its valued clients through:

Quality management system Implementation and maintenance to meet the regulatory requirements of ISO 9001:2015 standard that is continuously monitored and updated to ensure full compliance.

Our Implementation strategy and frame of work is demonstrated through the following commitments.

Continual Improvement through:

- Achievements of our **Vision , Mission and Goals**
- Continuous Learning
- Involvement and upgrading the skills & competencies of the employees
- Responsibility and respect for our people and process
- Risk based thinking and process approach
- Systematically evaluating and monitoring the company processes

We assure of our top performance in compliance with the Clients and ISO Norms requirement.

Emirates Industrial Laboratory, assures that the quality policy and set objectives are well read and understood and complied by everyone in the organization for demonstrating the commitment towards Quality and business excellence.

We are committed to:

- Meeting legal requirements.
- Continually improving our IMS.
- Meeting the needs and expectations of interested parties.

To achieve this we will:

- Provide our customers with a quality service for the management of their compliance needs.
- Provide our customers with free content, information and industry insight to improve their compliance knowledge.
- Provide timely and accurate support to our customers
- Listen to our customers when developing and enhancing the service.
- Provide an environment where staff can grow and learn new skills.
- Provide a return to Owners and shareholders

We will measure our progress through:

- Setting objectives
- Documenting plans
- Reviewing performance

We will enable this by:

- Training our employees
- Training our Partners
- Improving Emirates Industrial Laboratory
- Investing in resources
- Investigating new technologies.


Nariman Kamber Al Awadhi
Managing Director





Issue	1
Manual	EIL-IMS-001
Page	1 of 1
Date	06 Dec 2018
Rev	02


INTEGRATED MANAGEMENT SYSTEM

Environment policy

Emirates Industrial Laboratory is committed to protect environment, prevent pollution, and Zero effect to the environment. Every employee is responsible for protecting the environment and for Emirates Industrial Laboratory; "Commitment to the Environment as the topmost priority"

The organization is committed to environmental management and will:

- Integrate its environmental policies and procedures fully into all business activities as a critical element,
- Comply with all environmental legislation, standards and contract requirements that are applicable to the company's operation,
- Continually improve its environmental performance and prevention of environment impact and taking into account current best practice, technological advances, current scientific understanding, customer and community needs, educate, train and promote employees to work in an environmentally responsible manner
- Promote and encourage the adoption of these principles by suppliers and contractors acting on behalf of the organization
- Develop, implement and maintain emergency preparedness plans, foster openness and dialogue with both employees and the public, encouraging them to respond with their concerns or improvement ideas within the scope of the organization's operations and maintain a set of environmental objectives that are monitored through the management review process to ensure effectiveness.


Nariman Kamber Al Awadhi
Managing Director





Issue	1
Manual	EIL-IMS-001
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Date	06 Dec 2018
Rev	02

INTEGRATED MANAGEMENT SYSTEM

OCCUPATIONAL HEALTH AND SAFETY POLICY

The company is committed to a safe and healthy working environment for everyone using the premises by ensuring zero accident and injuries; "We believe in keeping you safe"

Management will:


- Set health and safety objectives and performance criteria for all managers and work areas. Annually review health and safety objectives.
- Encourage accurate and timely reporting and recording of all incidents and injuries
- Investigate all reported incidents and injuries to identify all contributing factors and, where appropriate, formulate plans for corrective action
- Actively encourage the early reporting of any pain or discomfort
- Provide treatment and rehabilitation plans that ensure a safe, early and durable return to work
- Identify all existing and new hazards and take all practicable steps to eliminate or minimize the exposure to any hazards
- Ensure that all employees are made aware of the hazards in their work areas and are adequately trained so they can carry out their duties in a safe manner
- Encourage employee consultation and participation in all health and safety matters Enable employees to elect health and safety representatives
- Ensure that all contractors and subcontractors are actively managing health and safety for themselves and their employees
- Promote a system of continuous improvement, including annual reviews of policies and procedures
- Meet legal obligations as specified in the legislation, codes of practice and any relevant standards or guidelines.

Every manager, supervisor or foreperson is accountable to the employer for the health and safety of employees working under their direction.

Each employee is expected to help maintain a safe and healthy workplace through:

- Share in the commitment to health and safety.
- Following all safe work procedures, rules and instructions
- Properly using all safety equipment and clothing provided
- Reporting early any pain or discomfort
- Taking an active role in the company's treatment and rehabilitation plan, for their 'early and durable return to work'
- Reporting all incidents, injuries and hazards to the appropriate person.

The Health and Safety Committee includes representatives from senior management and elected health and safety representative. The Committee is responsible for implementing, monitoring, reviewing and planning health and safety policies, systems and practices.


Nariman Kamber Al Awadhi
Managing Director





Emirates 38 YEARS
Industrial Laboratory
Oilfield • Marine • Industrial

LICENSES



رخصة تجارية Commercial License

تفاصيل الرخصة / License Details

License No.	102287	رقم الرخصة
Company Name	EMIRATES INDUSTRIAL LABORATORY L.L.C	اسم الشركة
Trade Name	EMIRATES INDUSTRIAL LABORATORY L.L.C	الاسم التجاري
Legal Type	Limited Liability Company(LLC)	الشكل القانوني
Expiry Date	31/01/2023	تاريخ الإنتهاء
D&B D-U-N-S ® No.	366470909	رقم الرخصة الام
Register No.	1090272	عضوية الغرفة
Issue Date	01/02/1984	تاريخ الإصدار
Main License No.	102287	رقم الرخصة الام
DCCI No.	28306	عضوية الغرفة

الاطراف / License Members

Share / الحصص	Role / الصفة	Nationality / الجنسية	Name / الاسم	No./ الشخص
	Manager / مدير	United Arab Emirates / الإمارات	نريمان عبدالله قمبر العوضي	126387
			NARIMAN ABDULLA KAMBER ALAWADHI	

نشاط الرخصة التجارية / License Activities

Physical & Mechanical Testing Laboratory	مختبر للفحوص الميكانيكية والفيزيائية
Chemical & Biological Laboratory	مختبر تحاليل كيميائية وبيولوجية
Pipelines Inspection & Repairing	فحص خطوط الانابيب ومعالجتها

العنوان / Address

Phone No	971-4-3457480	تليفون	P.O. Box	6892	صندوق بريد
Fax No	971-4-3452336	فاكس	Parcel ID	321-201	رقم القطعة
Mobile No	971-50-4512777	هاتف محرك			ملك حوض دبي الجاف - بردي - مدينة دبي الملاحية EIL01 مكتب رقم

البريد الإلكتروني / Email

الملاحظات / Remarks

Print Date 29/11/2021 10:03 تاريخ الطباعة

Receipt No.

14163202

رقم الإيصال



يمكنك الآن تجديد رخصتك التجارية من خلال الرسائل النصية القصيرة، أرسل رقم الرخصة إلى 6969 (دو/اتصالات) للحصول على إذن الدفع.
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وثيقة إلكترونية معتمدة وصادرة بدون توقيع من دائرة التنمية الاقتصادية. لمراجعة صحة البيانات الواردة في الرخصة برجاء زيارة الموقع www.dubaided.gov.ae
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ملحق الشركاء Partners

تفاصيل الرخصة / License Details

رقم الرخصة License No. 102287 الرقم العالمي D&B D-U-N-S No. 366470909

اصحاب الرخصة / License Partners

Share / الحصص	Sr. No./مستند الشخص	Nationality / الجنسية	Name / الاسم
90.0000000%	126387	الامارات / United Arab Emirates	Nariman Abdulla Kamber Alawadhi / نريمان عبدالله قمير
5.0000000%	27657	الامارات / United Arab Emirates	Farouk Abdulla Qamir Alawadhi / فاروق عبدالله قمير العوضي
4.0000000%	402348	الامارات / United Arab Emirates	Faisal Farouk Abdulla Qamir Alawadhi / فيصل فاروق عبدالله قمير العوضي
1.0000000%	404684	الامارات / United Arab Emirates	Mariam Farouk Abdulla Qamir Alawadhi / مريم فاروق عبد الله قمير العوضي

Print Date 29/11/2021 10:03 تاريخ الطباعة

Receipt No.

14163202

رقم الإيصال



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شهادة شهر قيد شركة في السجل التجاري
Commercial Register

تفاصيل القيد / Register Details

Main Lice. Nr	102287	رقم الرخصة الأم	Register No.	1090272	رقم القيد
Company Name	مختبر الامارات الصناعي ش.ذ.م.م				
Legal Type	EMIRATES INDUSTRIAL LABORATORY L.L.C		الشكل القانوني		
Expiry Date	31/01/2023	تاريخ الإنتهاء	Reg. Date	19/02/2012	تاريخ الإصدار
D&B D-U-N-S No.	366470909		الرقم العالمي		

تفاصيل رأس المال / Capital Details

Nominated	4,000,000	الإسمى
Paid	4,000,000	المدفوع
No. of Shares	0	عدد الأسهم
Currency	UAE Dirhams	العملة

عنوان الرخصة / License Address

مكتب رقم EIL01 ملك حوض دبي الجاف - بر دبي - مدينة دبي الملاحية

عنوان السجل التجاري / Commerce Address

مكتب رقم EIL01 ملك حوض دبي الجاف - بر دبي - مدينة دبي الملاحية

أنشطة السجل / Register Activities

Chemical & Biological Laboratory	مختبر تحاليل كيميائية وبيولوجية
Pipelines Inspection & Repairing	فحص خطوط الانابيب ومعالجتها
Physical & Mechanical Testing Laboratory	مختبر للفحوص الميكانيكية والفيزيائية

Print Date 29/11/2021 10:03 تاريخ الطباعة

Receipt No.

14163202

رقم الإيصاف



يمكنك الآن تجديد رخصتك التجارية من خلال الرسائل النصية القصيرة، أرسل رقم الرخصة إلى 6969 (دو/اتصالات) للحصول على إذن الدفع.
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شهادة تسجيل العضوية Membership Certificate

License no.	102287
Membership no.	28306
Registration no.	1090272
Trade Name	EMIRATES INDUSTRIAL LABORATORY L.L.C
Legal Status	Limited Liability Company(LLC)
Activity	Chemical & Biological Laboratory Pipelines Inspection & Repairing Physical & Mechanical Testing Laboratory
Member Since	01/02/1984
Date of Issue	01/02/1984
Expiry Date	31/01/2023

رقم الرخصة	102287
رقم العضوية	28306
رقم السجل التجاري	1090272
الاسم التجاري	مختبر الامارات الصناعي ش.ذ.م.م
الشكل القانوني	ذات مسؤولية محدودة
نوع النشاط	مختبر تحاليل كيميائية وبيولوجية فحص خطوط الانابيب ومعالجتها مختبر للفحوص الميكانيكية والفيزيائية
تاريخ الإنتساب	01/02/1984
تاريخ الإصدار	01/02/1984
تاريخ الإنتهاء	31/01/2023

Remarks

This certificate shall be invalid incase of any alteration without chamber's authorization

For online verification of this Certificate, please visit our website
<http://www.dubaichamber.ae/verify>

غرفة تجارة وصناعة دبي
Dubai Chamber of Commerce & Industry

P.O. Box 1457 - Dubai, U.A.E. | Tel (Within UAE) 800 CHAMBER (800 2426237) | Tel (Outside UAE) (+971) 4 2280000 هـاتف
فاكس (+971) 4 2211646 | customercare@dubaichamber.ae | www.dubaichamber.ae

الملاحظات

تعتبر هذه الشهادة لاغية في حال أي كشط أو تعديل عليها دون اعتماد ذلك من الغرفة

للتأكد من صحة بيانات الشهادة يرجى الرجوع إلى موقع الغرفة
<http://www.dubaichamber.ae/verify>

Commercial License

رخصة تجارية

License No	:	CN-1019600	:	رقم الرخصة
ADCCI No	:	3169	:	عضوية الغرفة
Establishment Card MOHRE	:		:	وزارة الموارد البشرية والتوطين : بطاقة المنشأة
Establishment Card ICA	:		:	الهيئة الاتحادية للهوية والجنسية : بطاقة المنشأة
Legal Form	:	Establishment	:	الشكل القانوني : مؤسسة فردية
			:	الإسم التجاري : مختبر الامارات الصناعي
Trade Name	:	EMIRATES INDUSTRIAL LABORATORY		
Establishment Date	:	23/04/2000	:	تاريخ تأسيس المنشأة
Issue Date	:	07/12/2021	:	تاريخ الإصدار
Expiry Date	:	06/12/2022	:	تاريخ الإنتهاء

الصلة Role	الجنسية Nationality	المالك / الشركاء Owners / Partners	الرمز No.
مالك Owner	الإمارات العربية المتحدة United Arab Emirates	نريمان عبدالله قمبر العوضي NARIMAN ABDULLA KAMBER ALAWADHI	20041553

Commercial Activities	:	الأنشطة التجارية
- Technical maintenance of factories and oil installations(0910009)		- الصيانة الفنية للمصانع و المنشآت البترولية
- Repair welding pipes UNDER THE WATER		- اصلاح الانابيب بالحام تحت مستوى البحر
- Pipelines Testing and Treatment Services		- فحص خطوط الانابيب ومعالجتها
- Mechanical and Physical Tests Lab		- مختبر الفحوص الميكانيكية والفيزيائية
- Soil Testing Services		- خدمات فحص التربة
- Concrete and Metal Facilities Corrosion and Oxidation Resistant Services		- خدمات مقاومة الصدأ و التآكل للمنشآت الخرسانية و المعدنية
- Chemical and Biological Analysis Lab		- مختبر تحاليل كيميائية وبيولوجية
- Onshore And Offshore Oil And Gas Fields And Facilities Services		- خدمات حقول ومنشآت النفط والغاز البرية والبحرية
Address	:	العنوان : مصفح الصناعية, مصفح الصناعية- 14 - ق 16- مشغل 25+29+30+31+32, وحدة, بناية / محمد هلال الظاهري
Onwani Address	:	العنوان الموحد :

وثيقة معتمدة وصادرة بدون توقيع أو ختم من دائرة التنمية الاقتصادية - أبوظبي. للتحقق من صحة البيانات الواردة في الرخصة برجاء زيارة الموقع www.adbc.gov.ae

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Official Email	:	ahmedramadan144@gmail.com	:	البريد الإلكتروني الرسمي
Official Mobile	:	971551106019	:	رقم التواصل الرسمي



وزارة الداخلية
القيادة العامة للدفاع المدني
MINISTRY OF INTERIOR
GEN. COMMAND OF CIVIL DEFENSE



Emirates

Industrial Laboratory
Oilfield • Marine • Industrial

38
YEARS

VAT CERTIFICATE

شهادة تسجيل لضريبة القيمة المضافة في الامارات العربية المتحدة
Certificate of Tax Group Registration in the United Arab Emirates

The Federal Tax Authority certifies the formation of the below Tax Group in the UAE تشهد الهيئة الاتحادية للضرائب أن الجهة التالية مسجلة لضريبة القيمة المضافة في الامارات العربية المتحدة

Tax Registration Number 100222419200003 رقم التسجيل الضريبي
Effective Registration Date 01/01/2018 تاريخ التسجيل الفعلي

Full Arabic legal name مختبر الإمارات الصناعي ش.ذ.م.م الاسم القانوني الكامل باللغة العربية
Full English legal name EIMRATES INDUSTRIAL LABORATORY LLC الاسم القانوني الكامل باللغة الانجليزية

Registered address N/A العنوان المسجل

Other members of the Group

No.	Name (English)	Name (Arabic)
1	Emirates Industrial Laboratory (Branch)	مختبر الإمارات الصناعي (فرع)
2	Emirates Industrial Laboartory	مختبر الإمارات الصناعي

First VAT return period 1 Jan 2018 – 31 Mar 2018 and quarterly thereafter فترة أول إقرار لضريبة القيمة المضافة

First VAT return due date 28th day following the end of the VAT return period تاريخ استحقاق أول إقرار لضريبة القيمة المضافة

Start and end dates of Tax periods: 1 Apr to 30 Jun, 1 Jul to 30 Sep, 1 Oct to 31 Dec, 1 Jan to 31 Mar

يرجى التأكد من صحة تفاصيل الشهادة. يجب إبلاغ الهيئة الاتحادية للضرائب في حال تغيير الاسس التي حصلت فيها على رقم التسجيل الضريبي الخاص بك.

Please ensure that the details on this certificate are correct. You must inform the Federal Tax Authority of any change on the basis of which you obtained your Tax Registration Number as a Tax Group.



Issuing Date: 27/12/2017

تاريخ الإصدار



Emirates

Industrial Laboratory

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38
YEARS

WOR ACTIVITY PERMIT

تصريح مزاولة نشاط Work Activity Permit

تاريخ الإصدار: 2021/ 06 / 08

بيانات جهة تقييم المطابقة		Details of Conformity Assessment Body (CAB)	
اسم المؤسسة:	مختبر الامارات الصناعي ش.ذ.م.م	CAB Name:	EMIRATES INDUSTRIAL LABORATORY L.L.C
العنوان:	ملك حوض دبي الجاف - بر دبي - مدينة دبي الملحية EIL 01 مكتب رقم	Address:	
رقم الرخصة / License no.:	102287	Issued Date/ تاريخ إصدارها:	1984/02/01
الهاتف / Tel. No.:	0504512777	E Mail / البريد الإلكتروني:	admin@eil.ae
النشاط	<input checked="" type="checkbox"/> مختبر Laboratory	<input type="checkbox"/> جهات منح الشهادات Certification Body	<input checked="" type="checkbox"/> جهة تفتيش Inspection Body
رقم التسجيل:	102287	Registered No.:	
صلاحية التصريح:	من 2021 / 06 / 08 إلى 2022 / 06 / 07	Permission Validity:	
المجالات المصرح لها:	<ul style="list-style-type: none"> مختبر للفحوص الميكانيكية والفيزيائية مختبر تحاليل كيمائية وبيولوجية فحص خطوط الانابيب ومعالجتها 	<ul style="list-style-type: none"> Physical & Mechanical Testing Laboratory Chemical & Biological Laboratory Pipelines Testing Services 	Scopes Authorized:

This permission was issued after conducting the compliance audit and ensuring the following:

تم إصدار هذا التصريح بعد الكشف والتدقيق، والتأكد مما يلي:

- Compliance with the requirements of Law No. 2/2010 and its Administrative Order no. 267/ 2011 regarding organizing the work of conformity assessment bodies operating in the Emirate of Dubai,
- Compliance with all conditions and instructions issued by the Emirates International Accreditation Centre.

- استيفاء متطلبات التشغيل وفقاً للنظام رقم 2/2010 ولائحته التنفيذية الصادرة بالقرار الإداري رقم (267) لسنة 2011م بشأن تنظيم أعمال جهات تقييم المطابقة في إمارة دبي.
- الالتزام بجميع الاشتراطات والتعليمات الصادرة من مركز الإمارات العالمي للاعتماد

ملاحظات:

- This permission applies only to the scopes mentioned above.
- The validity of this permission is one year only and it should be renewed for the non accredited conformity bodies before 15 days from the date of expired.
- It is not permitted for the Conformity Assessment Body to practice activities or to use EIAC Accreditation Symbol where accreditation is mandatory unless it is accredited by EIAC

- يشمل هذا التصريح المجالات المشار لها أعلاه فقط.
- مدة صلاحية التصريح هي سنة واحدة ويجب إعادة تجديده للجهات الغير معتمدة قبل انتهاء الصلاحية بمدة 15 يوماً.

For more information about the Mandatory Accreditation Scopes; please visit EIAC website: www.eiac.gov.ae

* لا يجوز لجهة تقييم المطابقة ان تمارس نشاطاتها أو تستخدم رمز الاعتماد في مجالات الاعتماد الإجبارية إلا بعد حصولها على الاعتماد من المركز
للإطلاع على قائمة مجالات الاعتماد الإجبارية، يرجى زيارة الموقع الإلكتروني للمركز www.eiac.gov.ae

Conformity Assessment Body should submit an application to obtain accreditation within the first year of getting this permit according to the Law no. 2/ 2010. Emirates International Accreditation Centre is entitled to take all legal actions in case of violation of any of the conditions mentioned in Law 2/2010 and its Administrative Order no. 267/ 2011.

يجب على جهة تقييم المطابقة التقدم بطلب الحصول على الاعتماد خلال السنة الأولى من منحها تصريح مزاولة النشاط حسب النظام رقم 2/2010 ويحق لمركز الإمارات العالمي للاعتماد اتخاذ جميع الإجراءات القانونية تجاه الجهة المخالفة لأي من متطلبات/ اشتراطات النظام رقم 2/2010 والقرار

الإداري رقم 267/2011

أمينة أحمد محمد

المدير التنفيذي لمركز الإمارات العالمي للاعتماد

الإمارات
THE EMIRATES



LIST OF PROJECTS



Emirates Industrial Laboratory Project List
MAJOR PROJECTS - ONSHORE AND OFFSHORE
(CURRENT/COMPLETED)

Sl#	Year	Client	Type of Services	Status
1	2021	Vopak Horizon Fujairah Ltd	Failure Analysis	Completed
2	2021	SEAH STEEL UAE LLC	Failure Analysis	Completed
3	2021	Smith International Gulf Services - Kuwait WLL	Failure Analysis	Completed
4	2021	SENTEK PACIFIC PTE LTD c/o Wallem Shipmanagement Singapore Pte Ltd	Failure Analysis	Completed
5	2021	DNO IRAQ AS	Failure Analysis	Completed
6	2021	HASKONINGDHV NEDERLAND BV (Dubai Branch)	Failure Analysis	Completed
7	2021	Emirates Global Aluminium	Failure Analysis	Completed
8	2021	ULMATECH SERVICES LLC	Failure Analysis	Completed
9	2020	China Energy Engineering Group Tianjin Electric Power Construction Co.LTD Dubai Branch	Supply of Manpower TPI/Multi Discipline NDT Inspectors / Mechanical Testing /PWHT	On going
10	2020	Jilin City Yuanda Construction & Installation Engineering Co.,Ltd Dubai Branch /Shanghai Electricals	Supply of Manpower TPI/Multi Discipline NDT Inspectors / Mechanical Testing	On going
11	2019	CSCEC STEEL CONSTRUCTION	Multi Discipline NDT Inspectors / Mechanical Testing	On going
12	2019	LAMPRELL GROUP	Supply of Manpower Multi Discipline NDT Inspectors for None Destructive Testin(NDT)	On going
13	2019	Dubai Electricity & Water Authority (Dewa)	5 YEAR CONTRACT AWARED For None Destructive Testin(NDT) & Heat Treatment Services at Jebel Ali & Aweer	On going
14	2019	EXPOLINK 2020	Supply of Manpower Multi Discipline NDT Inspectors / Mechanical Testing & Chemical Analysis.	On going
15	2019	NASCO Steel Construction LLC	Supply of Manpower Multi Discipline NDT Inspectors / Mechanical Testing & Chemical Analysis.	On going
16	2019	Oil & Gas International Pzc	Failure Analysis on Drill Pipe	On going
17	2019	Braemar Technical Services LLC	Failure Analysis on Composite Boiler	On going
18	2019	PTC ME CONST, EQUIPMENT & MACHINERY TRADING L.L.C.	Failure Analysis on Gears And Shaft	On going
19	2018	AL SHAFAR (ASSENT)	NDT/Mechanical Testing and Chemical Analysis.	On going
20	2018	A.P.C.C. Piling & Contracting L.L.C.	NDT/Mechanical Testing and Chemical Analysis.	On going
21	2018	CSCEC STEEL CONSTRUCTION	NDT/Mechanical Testing and Chemical Analysis.	On going
22	2017	Petrogas Piping	NDT/Mechanical Testing and Chemical Analysis.	On going
23	2018	JML Facades	Supply of Manpower TPI/Multi Discipline NDT Inspectors / Mechanical Testing & Chemical Analysis.	On going
24	2018	AL SHAFAR (ASSENT)	Supply of Manpower TPI/Multi Discipline NDT Inspectors / Mechanical Testing & Chemical Analysis.	On going
25	2018	CSCEC Steel Construction Contracting LLC	TPI/NDT/Mechanical Testing and Chemical Analysis.	On going
26	2018	Marine Core & Charter	Failure Analysis of 12 mm Thk. Plate from Labroy 178.	Completed
27	2018	Tariq Al Sadek - Iraq	Failure Analysis of Retaining Clamps	Completed
28	2018	Al Majal Technical Services	Mechanical Testing & Chemical Analysis	Completed
29	2018	Quality International Co Ltd Pzc	Mechanical Testing & Chemical Analysis	Completed
30	2018	Howden Thomassen ME FZCO	Failure Investigation of Pressure Vessel	Completed
31	2018	3 Core Oilfield Services	Failure Investigation of Cut Off Joint	Completed
32	2018	Oilfield Supply Centre	Failure Analysis of Tri-Mill	Completed
33	2018	Emirates Building Systems	Failure Analysis of UB Samples	Completed
34	2018	GRANDWELD	NDT/Mechanical Testing and Chemical Analysis.	Completed
35	2018	A.P.C.C. Piling & Contracting L.L.C.	NDT/Mechanical Testing and Chemical Analysis.	Completed
36	2018	BUREAU VERITAS (IRAQ)	Failure Analysis Clamp	Completed
37	2018	Howden Thomassen Middle East FZCO	Failure Analysis of Pressure Vessel Crack	Completed
38	2018	3 Core Oilfield Services	Failure Analysis on Drill Pipe	Completed
39	2018	Smith International Gulf Services.LLC. (SIGS)	Failure Analysis of Cracked Tri-Mills	Completed
40	2018	WEIR OIL & GAS	Failure Analysis of Crossover	Completed
41	2018	DRY DOCKS WORLD DUABI (GOS)	Failure Analysis of Vaporizer tube	Completed
42	2017	Ducast	Non Destructive Testing Works	On going
43	2017	Danway	NDT/Mechanical Testing and Chemical Analysis.	On going
44	2017	Container Solution	NDT/Mechanical Testing and Chemical Analysis.	On going
45	2017	Young Engg. Consultancy Services	NDT/Mechanical Testing and Chemical Analysis.	Completed
46	2017	Nael Construction (NCC)	TPI/UT,MPI,MET	Completed
47	2017	Dragon Offshore	Supply of Inspectors & NDT	Completed
48	2017	Amara Industries	TPI/NDT/Mechanical Testing and Chemical Analysis.	Completed
49	2017	Al Nasr Engineering	Supply of Inspectors ,NDT,UT,MPI,PWHT	Completed
50	2016	ELIPS EMPOWER LOGISTER	Supply of Inspectors ,NDT,UT,MPI,TPI	Completed



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Sl.#	Year	Client	Type of Services	Status
51	2016	Al Naboodah	Supply of Inspectors, NDT, UT, MPI, TPI	Completed
52	2016	German Steel	TPI/NDT/Mechanical Testing and Chemical Analysis.	Completed
53	2016	Galadari Engg ENOC	Supply of Inspectors, NDT, UT, MPI, PWHT, Mechanical Testing and Chemical Analysis.	Completed
54	2016		Supply of Mechanical Engineers	Completed
55	2016	Abu Dhabi Company for Onshore Oil Operations (ADCO)	Supply of MFL Inspectors and UT Technicians	Completed
56	2016	Qatar Gas	Provision of Inspection Services with Equipment.	Completed
57	2016	ZADCO, Abu Dhabi	Provision of services of NDT Technicians/specialists, Welding Inspectors, IRATA personnel, Post Weld Heat Treatment Techs, with equipment & consumable.	Completed
58	2016	Proserv Middle East FZE	Radiographic Testing of SS Pipe Spools	Completed
59	2015	German Steel Contracting L.L.C.	Third Party (Independent) Inspection & NDT Services for Structural Steel Works	Completed
60	2015	Al Naboodah Contracting Co LLC	Third Party (Independent) Inspection Services for Structural Steel Works	Completed
61	2015	Qatar Petroleum, Qatar	Provision of Rope Access Team w/ Equipment for Inspection on Call-off basis	Completed
62	2015	Q-CHEM, Qatar	Supply of Safety Officers during Turnaround 2015 Duration: 140 days No. of personnel: 12	Completed
63	2015	Q-CHEM, Qatar	Supply of Maintenance Coordinators and Semiskilled technicians Duration: 70 days No. of Personnel: 49	Completed
64	2015	Q-CHEM, Qatar	Provision of API Inspectors, Stationary Equipment Inspectors and NDT Technicians and equipment Duration: 70 days No. of Personnel: 40	Completed
65	2015	GPIC, Bahrain	Provision of API Inspectors and Welding Inspectors for carrying out Inspection during GPIC shutdown Duration: 30 Days	Completed
66	2015	Bundug NDT Services	No. of personnel: 13	Completed
67	2015	Bundug Co. Ltd Upstream	Supply of Inspectors for carrying out inspection, NDT & PWHT	Completed
68	2014	Saudi Lebanese TAROUK Contracting Co Ltd	Provision of RBI, ASNT Level-II Multidiscipline technicians -Offshore	Completed
69	2014	QAFAC, Qatar Downstream	Supply of Welding Inspector & NDT Personnel with Equipment.	Completed
70	2014	Bundug NDT Services Upstream offshore well Head Platforms	To provide services of NDT Coordinator, Technical Clerk and NDT Technicians with Equipment & Consumables for PT/MPI/UT/UT/UT/TOF/MFL Examination	Completed
71	2014	Bundug Co. Ltd Upstream	Supply of Inspectors for carrying out inspection, NDT & PWHT	Completed
72	2014	Bundug Co. Ltd Upstream	Provision of RBI, ASNT Level-II Multidiscipline technicians -Offshore	Completed
73	2014	Bundug Co. Ltd ACID GAS COMPRESSOR UPSTREAM	Provision of NDT Personnel, equipment & consumables for corrosion scanning inspection of critical process piping, static equipment	Completed
74	2014	Amara Industries	Supply of Inspection Team to carry out NDT & Advanced NDT (FFS, TOFD, PA, Boroscopy Examination) services at Compressor units located at offshore locations	Completed
75	2013	Siemens IC MOL LAS	Supply of Welding Inspector & NDT Personnel with Equipment.	Completed
76	2013	SINOPEC INTERNATIONAL PERTORLUUM SERVICE CORPORATION (SIPSC)	Supply of Welding Inspector & NDT Personnel with Equipment.	Completed
77	2013	Gasco	Supply of Welding Inspector & NDT Personnel with Equipment.	Completed
78	2013	ADMA-OPCO Upstream	Supply of Inspectors for carrying out inspection, NDT	Completed
79	2013	SINOPEC EPC Works	Provision of Welding, Painting & Structural Inspectors	Completed
80	2013	GASCO Downstream	NDT & PWHT work at the construction of Storage tanks	Completed
81	2012	SMI Oilfield Technology & Products FZE	NDT Services (UT, MPT, PT, RT & VISUAL)	Completed
82	2012	QATARGAS, Qatar Upstream & Downstream	[Chemical Analysis] QA/QC Third Party Certification	On going
83	2012	ADMA-OPCO Upstream	Provision of personnel, necessary equipment & accessories, supervision & Project Management for entire inspection & NDT Services	Completed
84	2012	Takreer Refinery, Abu Dhabi Downstream	Issuance of passport & appraisal to ADMA for 106 vessels of Phase-III Inspection + FFS/RLA + passport + appraisal of 35 vessels of Phase-IV	Completed
85	2012	GPIC, Bahrain Ammonia (Downstream)	Provision of personnel, equipment, testing devices, tools and consumables, supervision and Project Management for entire inspection services during [the shutdown	Completed
86	2012	FERTIL, Abu Dhabi Downstream	Internal inspection of Methanol Tank (T7201) as per API 653, Replica Metallography Examination Rope Access Examination as per API 510 & 570 (Columns, Drums, vessels etc.)	Completed
87	2012	ADGAS, Abu Dhabi Downstream	Inspection and NDT works for Ammonia Tank as per API 653, FFS	Completed
88	2012	Gulf Steel Industries FZC	Provision of personnel, necessary equipment & accessories, supervision & Project Management for entire inspection & NDT Services for the shutdown	Completed
89	2012	Atlantic Maritime Group	Supply of Welding Inspector & NDT Personnel with Equipment.	Completed
90	2012	ARABIAN DRILLING COMPANY	Supply of Welding Inspector & NDT Personnel with Equipment.	Completed



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Sl#	Year	Client	Type of Services	Status
91	2011	TechCorr Eastern Hemisphere	Supply of NDT Personnel with Equipment.	Completed
92	2011	Samsung Engineering Co. LTD	Supply of Third Party Inspectors	Completed
93	2011	SK Engineering & Construction Ltd	NDT/Mechanical Testing and Chemical Analysis.	Completed
94	2011	Noble International Limited	Provision of services of NDT Technicians/specialists, Welding Inspectors, IRATA Personnel, Post Weld Heat Treatment Techs, with equipment & consumable.	Completed
95	2011	South-East Asia Gas Pipeline Company Limited	X-ray of pipe joints using x-ray crawler & Supply of NDT Inspection Personnel with equipment.	Completed
96	2011	Iran Offshore Engineering & Construction Co.	Supply of NDT Inspection Personnel with Equipment.	Completed
97	2011	VTTI Fujairah Terminals Ltd (VTTI FTL Fzc)	Supply of NDT Inspection Personnel with Equipment.	Completed
98	2011	Ferropan Oilfield Services & Supplies LLC	Inspection Survey of Naptha Storage Spheres	Completed
99	2011	Emirates Petroleum Products Company (EPPCO) LLC	Inspection and NDT works for Storage Tanks as per API 653,	Completed
100	2011	Dodsal Engineering and Construction Pte Ltd	X-ray of pipe joints using x-ray crawler & Supply of NDT Inspection Personnel with equipment.	Completed
101	2011	CB & I Eastern Anstalt	Provision of API Inspector and ASNT Level II Services	Completed
102	2011	CB & I Eastern Anstalt	Supply of NDT Inspection Personnel with Equipment.	Completed
103	2011	BK Gulf LLC	Supply of NDT Inspection Personnel with Equipment.	Completed
104	2011	Argos Premium NDT Service Co.	Supply of NDT Inspection Personnel with Equipment.	Completed
105	2011	Eversendal New Construction	Provision of Third Party Inspection & Testing services	On going
106	2011	EPPCO, Dubai	Internal, external and MFL inspection of storage tanks	Completed
107	2011	South-East Asia Gas Pipeline Company Limited SEAGPC-SE-40-C	X-ray of pipe joints using x-ray crawler	Completed
108	2011	South-East Asia Crude Oil Pipeline Company Limited SEAGPC-SE-51-C	X-ray of pipe joints using x-ray crawler	Completed
109	2011	SK Engineering	Provision of NDE & PWHT services for Ruwais Refinery	Completed
110	2011	Samsung, Korea	Provision of Welding Inspectors/Coating and Welding Inspectors	Completed
111	2011	Samsung Engineering, Korea-EPC Works	Inspection & Laboratory testing, Underwater Inspection	Completed
112	2011	Ruwais Fertli, Abu Dhabi	Inspection & Laboratory testing, Underwater Inspection	Completed
113	2011	Lima Steel, Fujairah- EPC Works	Inspection during refurbishment of storage tank	Completed
114	2011	CBI Eastern Anstalt	Storage tank inspection & certification by API Inspectors	Completed
115	2011	APN, Abu Dhabi	Provision of NDE & PWHT services for Ruwais Refinery Expansion project for Package# 2	Completed
116	2011	Alec	Third Party Inspection for Welding works	Completed
117	2011	ADGAS, Abu Dhabi	Thermography Survey of Electrical Panels at Das Island Duration : 35 days	Completed
118	2011	Mabani Steels LLC	Supply of NDT Personnel.	Completed
119	2010	Eversendal Engineering LLC	Supply of Third Party Inspection & NDT Personnel.	Completed
120	2010	ALEC Building Excellence	Supply of Third Party Inspection Personnel.	Completed
121	2010	CBI Eastern Anstalt	NDT Works Supply of TOFD Inspectors	Completed
122	2010	ZADCO, Abu Dhabi	Provision of services of NDT Technicians/specialists, Welding Inspectors, IRATA personnel, Post Weld Heat Treatment Techs, AutoCAD draftsman with equipment & consumable, Duration : 3 Years contract	Completed
123	2010	QAFAC, Qatar	Provision of services of NDT Coordinator, Plant/Equipment Inspection Engineers, Technical clerk & NDT Technicians with equipment & consumable for PT/PMPT, UT UFDT, TOFD, MFL Examination, Thermographic Survey, Tank Inspection & Field Metallurgical replication & evaluation No. of personnel.	Completed
124	2010	Oman Refineries and Petrochemicals Company LLC, Oman	Supply of Mechanical /Plant Inspectors for Turnaround 2010 Duration: 60 days No of Personnel: 18	Completed
125	2010	Dubai Petroleum Est., Dubai	Inspection with conventional and advanced NDT methods (corrosion mapping, Thermography & ECT) by regular and IRATA qualified NDT inspectors followed by condition assessment and integrity evaluation Duration : 3 Years No. of personnel : 21	Completed
126	2010	Dodsal, Abu Dhabi	Non Destructive Testing Works	Completed
127	2010	Dodsal, Abu Dhabi	NDT Testing Services	Completed
128	2010	CBI Eastern Anstalt	Soil Nuclear Density Testing & Radiographic Testing	Completed
129	2010	ADMA-OPCO, Abu Dhabi	Provision of services of NDT Technicians/specialists, Welding Inspectors, IRATA personnel, AutoCAD draftsman with equipment & consumable. Contract start date: June 1 st 2010	Completed
130	2010	ADMA-OPCO	Bottom plate Inspection of 78 meter dia. Crude oil storage tanks using patented In-Tank Robotic system	Completed
131	2009	Redispan Conveyors Pty Ltd	Third Party Inspection Services	Completed
132	2009	Emirates Trading Agency LLC	Supply of QC Inspector & Multi Disciplined NDT Inspector	Completed
133	2009	ENOC Processing Company LLC	Supply of Inspection Engineers.	Completed
134	2009	CNOOC Technology Inspection Co. Ltd	Supply of Inspection Personnel & Rope Access Inspection Personnel.	Completed
135	2009	Bumjin Engineering & Constructions	Supply of QC Inspector & Multi Disciplined NDT Inspector	Completed



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Sl#	Year	Client	Type of Services	Status
136	2009	CNOOC, China	Inspection and Condition Assessment work on FPSO using advanced NDT methods by teams of IRATA qualified NDE personnel and Integrity Engineers	Completed
137	2009	Zakum Development Company, Abu Dhabi	Level-3 Assessments as per API 579-1 ASME FFS-1 2007 The contract commenced in February 2009, Duration : 1 Year (extendable)	Completed
138	2009	Transco	X-ray of pipe joints using x-ray crawler	Completed
139	2009	Qatar Petroleum	NDT & Inspection Services during 2009 TA	Completed
140	2009	GASCO, Abu Dhabi	X-ray of pipe joints using x-ray crawler	Completed
141	2009	Dolphin, Abu Dhabi	X-ray of pipe joints using x-ray crawler	Completed
142	2009	Bundug Company Limited	Supply of Inspection Personnel.	Completed
143	2009	ADGAS, Abu Dhabi	Provision of conventional and advanced NDT	Completed
144	2009	ADGAS, Abu Dhabi	Provision of personnel, necessary equipment & accessories, supervision & Project Management for entire inspection & NDT Services for the shutdown	Completed
145	2009	Abu Dhabi Company for Onshore Oil Operations (ADCO)	X-ray of pipe joints using x-ray crawler	Completed
146	2009	Abu Dhabi Company for Onshore Oil Operations (ADCO)	X-ray of pipe joints using x-ray crawler	Completed
147	2008	Al Bueheri General Transport Est.	Supply of QC Inspector & Multi Disciplined NDT Inspector & MFL Inspection.	Completed
148	2008	ABSG Consulting Inc	Supply of Multi Disciplined NDT Inspector	Completed
149	2008	Yongnam Engineering & Construction Pre Ltd	Supply of QC Inspector & Multi Disciplined NDT Inspector	Completed
150	2008	SNC-LAVALIN INTERNATIONAL	Supply of Hydro Test Engineer.	Completed
151	2008	Punj Lloyd Ltd	Supply of NDT Inspection Personnel with Equipment & PMI.	Completed
152	2008	Muhibbah Engineering (M) BHD	Supply of NDT Inspection Personnel with Equipment.	Completed
153	2008	J. Ray McDermott Middle East Inc	Supply of QA/QC, NDT Inspection Personnel & Boroscopy Equipment.	Completed
154	2008	GASCO, Abu Dhabi	X-ray of pipe joints using x-ray crawler	Completed
155	2008	ADGAS	Outsourcing of Inspection Services	Completed
156	2008	Hyundai Engineering & Construction Co Ltd	Supply of Third Party and NDT Inspection Personnel with Equipment.	Completed
157	2008	Fujairah Refinery Company Limited	Supply of Third Party and NDT Inspection Personnel with Equipment.	Completed
158	2008	Kirby Building System Kuwait	Supply of Third Party and NDT Inspection Personnel with Equipment.	Completed
159	2008	Kwik Steel Structure Fzco	Supply of Third Party and NDT Inspection Personnel with Equipment.	Completed
160	2008	JT Metro Joint Venture	Supply of Third Party and NDT Inspection Personnel with Equipment.	Completed
161	2008	Hadeed Emirates Cont. LLC	Supply of Third Party and NDT Inspection Personnel with Equipment.	Completed
162	2008	Mohammed Abdulmoshin Al-Kharafi & Sons	Supply of Heat Treatment Personnel, Equipment & Consumables.	Completed
163	2008	Gulf Spic Engineering LLC	Supply of Third Party QA/QC Welding Inspectors	Completed
164	2008	Emirates Trading Agency LLC	Supply of Third Party QA/QC Welding Inspectors	Completed
165	2008	Ali Moosa & Sons Factories	Supply of Third Party QA/QC Welding Inspectors	Completed
166	2008	Al Reyami Technical Services	Supply of Third Party QA/QC Welding Inspectors	Completed
167	2007	Lima Steel Heavy Industries	Supply of Gamma Radiography & Magnetic Particle Testing Crews for Stack Welds.	Completed
168	2007	Total E & P Yemen	Inspection of Crude Oil Storage Tanks	Completed
169	2007	Chiyoda Corporation	Supply of Expediting Engineer	Completed
170	2007	CBI Eastern Ansalt	Supply of NDT Inspection Personnel with Equipment.	Completed
171	2007	Nico International Hydrospace (Fujairah Branch)	Supply of Inspectors & NDT	Completed
172	2007	Mammot Building Systems FZE	Supply of Inspection and NDT Inspectors.	Completed
173	2007	Arabtec-Max Bogl IV	Supply of Inspection and NDT Inspectors.	Completed
174	2007	Dutco Balfour Beatty	Supply of Inspectors & NDT	Completed
175	2007	Al Bueheri General Transport Est.	Supply of Inspectors (NDT) RT, UT, MPI, PWHT, Mechanical Testing and Chemical Analysis.	Completed
176	2007	Takreer-Ruwais	Provision of NDT services during Shutdown-2007	Completed
177	2007	QAFAC	2007 Turnaround/Shutdown Inspection	Completed
178	2007	ADGAS	Outsourcing of Inspection Services	Completed
179	2006	MPN	NDT Services for Corrosion Control Monitoring and Integrity evaluation of Offshore Oil & Gas production facilities & FPSO	Completed
180	2006	Mobil Producing Nigeria (MPN) / Petrostuff Nigeria	Corrosion control Monitoring Services, Thermography survey, Integrity survey of weld heads, pipelines, storage tanks and all "Offshore Oil & Gas production facilities.	Completed
181	2006	BG Exploration and Production India Ltd	Project for Panna Mukta and Tapi fields in NPCC- Abu Dhabi & EPD-STD Mumbai Offshore.	Completed
182	2006	Al Habtoor Engineering Enterprises Co LLC	Provision of qualified inspection personnel.	Completed



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Sl#	Year	Client	Type of Services	Status
183	2006	Al Futtaim Carillion LLC	Provision of qualified inspection personnel.	Completed
184	2006	Velosi Certification Services	Provision of qualified inspection personnel.	Completed
185	2006	GASCO	NDT Testing at all sites & HQ. Supply of inspectors	Completed
186	2006	ADGAS	Provision of qualified inspection personnel & specialized equipment to assess the condition of plant & equipment during shutdown.	Completed
187	2006	ABS, Dubai	Shutdown at Margham Oil Fields	Completed
188	2006	Technip	Supply of NDT inspectors	Completed
189	2006	PETROFAC INTERNATIONAL LTD	Project: Facility Upgrade & Relocation of Underground Porcess Piping for GCs 3,4,6,7,8,21,23, BS 140 & BS 150 (Group A) - Job# JI-180	Completed
190	2006	Tiger Steel Engineering LLC	Provision of Third Party Inspection & Testing services	Completed
191	2006	Gulf Metal Foundry	Supply of NDT Personnel, equipment & consumables for various Casting Inspection	Completed
192	2006	Rasana Engineering Ind. Co. Ltd	Supply of NDT Personnel, equipment & consumables for various Projects.	Completed
193	2005	Qatar Petroleum, Qatar	Provision of personnel, equipment, testing devices, tools and consumables. Supervision and Project Management for 2005 shutdown	Completed
194	2005	Gulf Petrochemical Co., Bahrain	Visual and NDT Inspection of Plant & Equipment	Completed
195	2005	Abu Dhabi Oil Co., Ltd (Japan)	Visual and NDT Inspection of Plant & Equipment	Completed
196	2005	ADGAS, Abu Dhabi	Provision of qualified inspection personnel & specialized equipment to assess the condition of plant & equipment during 2005 shutdown of Train 2	Completed
197	2005	LAMPRELL ENERGY LTD	PROJECTS: CN/04/1101, 1102, 1103, 1107, 1503 & 437	Completed
198	2004	QP Refinery, Qatar	NDT & Plant survey of piping, vessels & structural	Completed
199	2003	Margham Dubai Est	Corrosion survey, UT scanning and MPI on pipe weld joints	Completed
200	2003	Gulf Petrochemical Industrial Co., Bahrain	Annual shutdown inspection of vessels, piping, tanks, heat exchangers etc	Completed
201	2003	GASCO, Buhasa	Inspection and NDT of pipelines	Completed
202	2002	Margham Dubai Est., Dubai	Annual shutdown inspection	Completed
203	2002	Bundug Company Ltd., Abu Dhabi	Shutdown Inspection	Completed
204	2001	ENOC Refinery, Jebel Ali, U.A.E	Annual shutdown inspection	Completed
205	2001	ADCO, ASAB Gas Plant	Warranty shutdown inspection	Completed
206	2001	Abu Dhabi Q-Chem for Onshore Oil Operations (ADCO)	Annual shutdown inspection	Completed
207	2000	QAPCO, Qatar	Periodic inspection of piping equipment and plant inspection	Completed
208	2000	NODCO Refinery, QP, Qatar	Annual Shutdown Inspection	Completed
209	2000	Gulf Petrochemical Industrial Co., Bahrain	Annual Shutdown Inspection	Completed
210	2000	Gulf Petrochemical Industrial Co., Bahrain	Annual Shutdown Inspection	Completed
211	2000	ENOC	Supply of API and NDT Plant Inspection	Completed
212	1988	Abu Dhabi Oil Co., Abu Dhabi	Periodic & Annual inspection	Completed
213	1984	Drydocks World	NDT Inspection of Rigs using Rope Access Technique	Completed
214	1990	CBEME	Supply of Inspectors for carrying out inspection, NDT & PWHT	On going
215	1984	Dry Docks	Supply of Inspectors for carrying out inspection, NDT & PWHT /Mechanical Testing & Chemical Analysis.	On going