



PROFILE



EPIS

Engineering for Petroleum & Inspection Services



**WHO
ARE
WE** ?



EPIS

Engineering for Petroleum & Inspection Services

EPIS Is a fast growing great sized company established in Cairo, Egypt. EPIS is a full service nondestructive testing company with specialized data acquisition equipment and reporting capabilities. All technicians are certified in accordance with the American Society for Nondestructive Testing, Recommended Practice SNT-TC-1A. We strive to bring outstanding values to the clients. We undertake to provide the clients with the shortest feedback time, the most competitive price, the most effective technical support, the most professional customer service and the most accurate and earliest report at each service link. Such commitments will serve as an impetus for our clients to improve product quality and more importantly build their confidence in their brands.





CONTACT US

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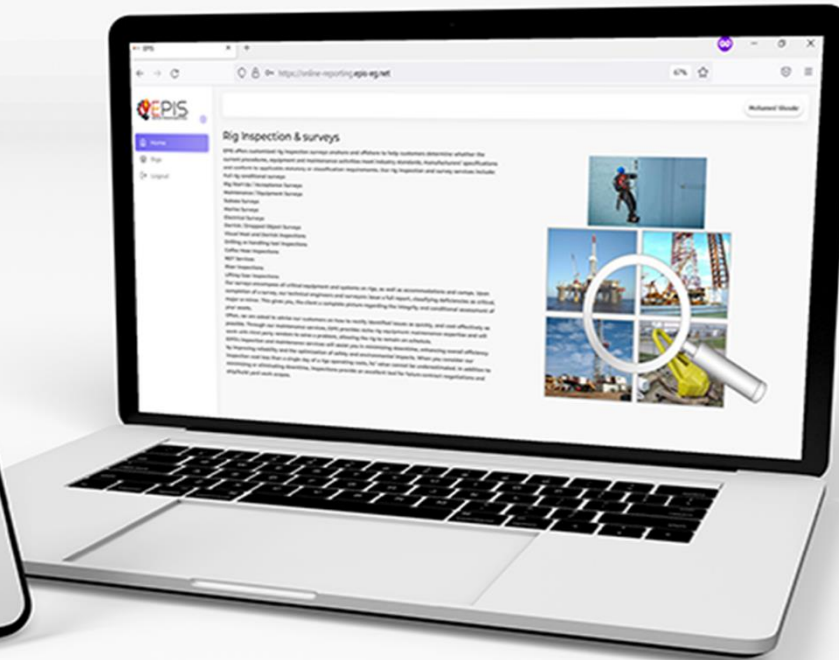
Technical Manager
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www.epis-eg.com
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25 H / A SHUKRI ABDEL HALIM
ELASLKY, ELMAADI, CAIRO, EGYPT



OUR BRANCHES





OUR VISION

To be the preferred EPIS Provider with sustainable excellence to the oils & gas industry with world class health safety, environment & quality standard



OUR MISSION

Is to provide high quality services for our clients. We enhance economic well being for all stakeholder by challenging our customers and employees to create an environment of continuous improvement that assure quality, customer satisfaction and safety. We are constantly striving to enhance our capabilities through periodic training, gaining more experience with development team in-house training, and certified training centers.



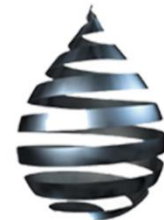
PARTENER SHIPS



IADC
RIGPASS



irata
International



DROPS
DROPPED OBJECTS
PREVENTION SCHEME





Lifting Equipment Engineers Association

Certificate of Membership 2019

We hereby certify that

Engineering For Petroleum and Inspection services (EPIS)
Egypt

having been audited in accordance with the Association's technical audit procedure
specified in document reference LEEA 042 has been admitted as a

Development Member

Certificate Number
7823



For and on behalf of LEEA

Chairman

Chief Executive

Date of Certificate – 22nd October 2019

Date of expiry of Certificate – 21st October 2020

This certificate is the property of the Association and shall be returned on demand. It is not issued under, in pursuance or by virtue of any statutory or Government sanction but by the authority of the Association only. It is valid only in the country listed above.



DROPS
DROPPED OBJECTS
PREVENTION SCHEME

Certificate of Membership

This is to Certify that

Engineering For Petroleum & Inspection Services

is formally recognised as a Member of **DROPS**, the industry-wide initiative focused on preventing dropped objects in the workplace.

Signed

For and on behalf of **DROPS**

Valid until August 2022

CHOOSE YOUR FUTURE - MAKE A DIFFERENCE

e: admin@dropsonline.org w: www.dropsonline.org



**Corporate
Partner**

**The American Society for
Nondestructive Testing, Inc.**

recognizes

Engineering for petroleum

as a Corporate Partner of this Society.

Dedicated to the development and perpetuation of the highest standards of professional service and efficiency in the field of nondestructive testing, ASNT® exists to create a safer world.


Interim Executive Director

November 1, 2019

Date





Certificate of Registration

This is to certify that the Occupational Health and Safety Management System of
ENGINEERING FOR PETROLEUM AND INSPECTION SERVICES (EPIS)

25- SHOKRY ABDEL-HALIM , ELLASELKY, MAADI , EGYPT

Has been successfully assessed &
Conforms with the following standard

ISO 45001:2018

Scope of Certification

- 1- INSPECTION SERVICES NDT (TUBULAR & LIFTING GEAR & ELECTRIC & MECHANIC VIBRATION & WELDING) AND ADVANCED INSPECTION
- 2- FLOWLINE & PIP LINE CONSTRUCTION
- 3- HYDRO TEST
- 4- ENGINEERING INSPECTION
- 5- ROPE ACCESS
- 6- OIL BASE MUD CUTTING TREATMENT AND TRANSPORTATION AND DISPOSAL.
- 7- WIRELINE
- 8- DRILLING
- 9- RIG AUDIT SURVEY

Certificate No.: SMS/OHS/H19/2010

Initial Registration Date : 19-08-2019 Issue Date : 19-08-2021

Surveillance 1 Audit Date : DONE Expiry Date : 18-08-2022

Surveillance 2 Audit Date : DONE

UAF is Full Member of International Accreditation Forum (IAF)



Signature of Director



Accreditation Number: **CB-MS-2812**
(Accredited by United Accreditation Foundation (UAF),
400 North Center DR, STE 202, Norfolk, VA 23502, United States of America
To Check Certification Status:
www.uafaccreditation.org & www.saaracertification.com

SAARA MANAGEMENT SYSTEM PRIVATE LIMITED
F-7, Top Floor, Main Road, Kalkaji, New Delhi-110019
E-mail: saaramsp@gmail.com Website: www.saaracertification.com

THE VALIDITY OF CERTIFICATE IS SUBJECT TO REGULAR SURVEILLANCE AUDIT ON OR BEFORE ABOVE MENTIONED DATES AND IS VALID ONLY AFTER THE SUCCESSFUL COMPLETION OF SURVEILLANCE AUDIT

Rev. 03



Certificate of Registration

This is to certify that the Quality Management System of
ENGINEERING FOR PETROLEUM AND INSPECTION SERVICES (EPIS)

25- SHOKRY ABDEL-HALIM , ELLASELKY, MAADI , EGYPT

Has been successfully assessed &
conforms with the following standard

ISO 9001:2015

Scope of Certification

- 1- INSPECTION SERVICES NDT (TUBULAR & LIFTING GEAR & ELECTRIC & MECHANIC VIBRATION & WELDING) AND ADVANCED INSPECTION
- 2- FLOWLINE & PIP LINE CONSTRUCTION
- 3- HYDRO TEST
- 4- ENGINEERING INSPECTION
- 5- ROPE ACCESS
- 6- OIL BASE MUD CUTTING TREATMENT AND TRANSPORTATION AND DISPOSAL.
- 7- WIRELINE
- 8- DRILLING
- 9- RIG AUDIT SURVEY

Certificate No.: SMS/QMS/H19/2074

Initial Registration Date : 19-08-2019 Issue Date : 19-08-2021

Surveillance 1 Audit Date : DONE Expiry Date : 18-08-2022

Surveillance 2 Audit Date : DONE

UAF is Full Member of International Accreditation Forum (IAF)



Signature of Director



Accreditation No. **CB-MS-2809**
(Accredited by United Accreditation Foundation (UAF),
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To Check Certification Status:
www.uafaccreditation.org & www.saaracertification.com

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E-mail: saaramsp@gmail.com Website: www.saaracertification.com

THE VALIDITY OF CERTIFICATE IS SUBJECT TO REGULAR SURVEILLANCE AUDIT ON OR BEFORE ABOVE MENTIONED DATES AND IS VALID ONLY AFTER THE SUCCESSFUL COMPLETION OF SURVEILLANCE AUDIT

Rev. 03



Certificate of Registration

This is to certify that the Environmental Management System of
ENGINEERING FOR PETROLEUM AND INSPECTION SERVICES (EPIS)

25- SHOKRY ABDEL-HALIM , ELLASELKY, MAADI , EGYPT

Has been successfully assessed &
conforms with the following standard

ISO 14001:2015

Scope of Certification

- 1- INSPECTION SERVICES NDT (TUBULAR & LIFTING GEAR & ELECTRIC & MECHANIC VIBRATION & WELDING) AND ADVANCED INSPECTION
- 2- FLOWLINE & PIP LINE CONSTRUCTION
- 3- HYDRO TEST
- 4- ENGINEERING INSPECTION
- 5- ROPE ACCESS
- 6- OIL BASE MUD CUTTING TREATMENT AND TRANSPORTATION AND DISPOSAL.
- 7- WIRELINE
- 8- DRILLING
- 9- RIG AUDIT SURVEY

Certificate No.: SMS/EMS/H19/1146

Initial Registration Date : 19-08-2019 Issue Date : 19-08-2021

Surveillance 1 Audit Date : DONE Expiry Date : 18-08-2022

Surveillance 2 Audit Date : DONE

UAF is Full Member of International Accreditation Forum (IAF)



Signature of Director



Accreditation No. **CB-MS-2808**
(Accredited by United Accreditation Foundation (UAF),
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To Check Certification Status:
www.uafaccreditation.org & www.saaracertification.com

SAARA MANAGEMENT SYSTEM PRIVATE LIMITED
F-7, Top Floor, Main Road, Kalkaji, New Delhi-110019
E-mail: saaramsp@gmail.com Website: www.saaracertification.com

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Rev. 03



OUR VALUE

Health safety, Environment &
Quality must come first
in everything we do in
our business.



**WHAT
WE DO?**



EPIS

Engineering for Petroleum & Inspection Services



EPIS

Engineering for Petroleum & Inspection Services

1

INSPECTION

2

PRESSURE TESTING

3

**REPAIR , RETHREADING
RECRUITING OF TUBULAR**

4

**FLOW LINE CONSTRUCTION
UP TO 6" SIZE & PIPELINE**

5

**MISCELLANEOUS
SERVICES**



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6

**DROPPED
OBJECTS SURVEY**

7

ROPE ACCESS

8

**CLEANING TANKS
, COATINGS AND TEST**

9

RIG AUDIT



EPIS

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10

PULLING UNIT

11

WASTE MANAGEMENT

12

**WIRE LINE AND
MUD LOGGER**

INSPECTION

TUBULAR INSPECTION SERVICES

WELDING INSPECTION

LIFTING GEAR INSPECTION

ELECTRIC INSPECTION

MECHANICAL VIBRATION INSPECTION

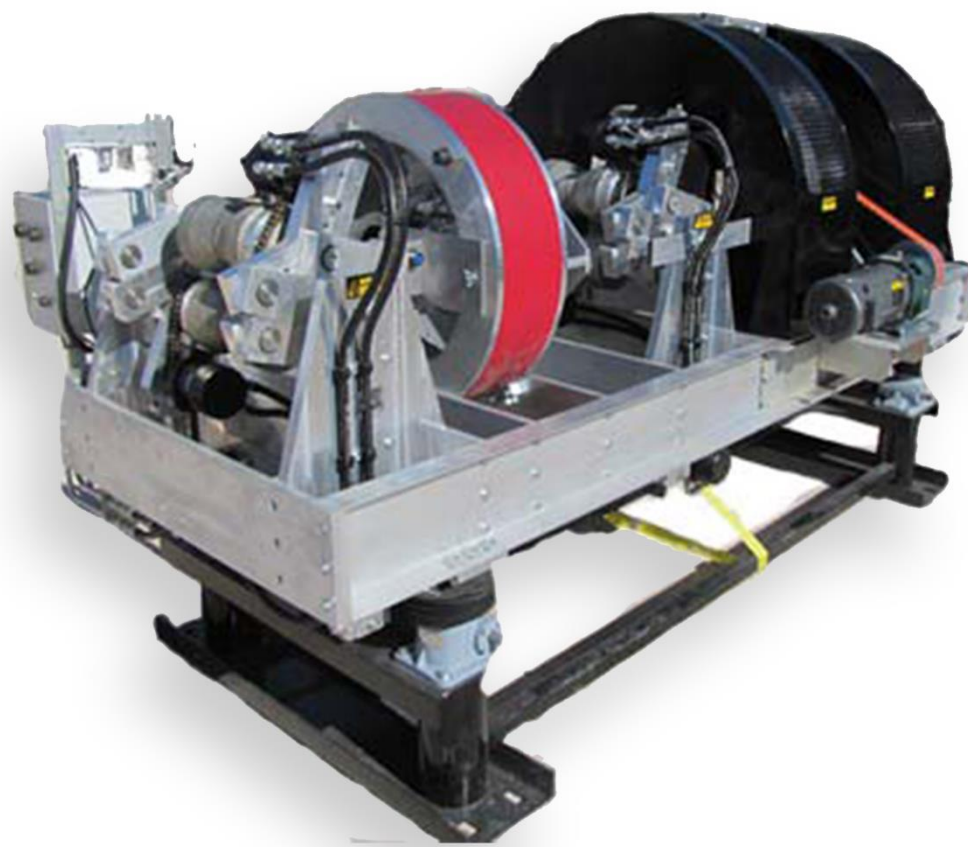
ADVANCED INSPECTION SERVICES





TUBULAR INSPECTION SERVICES





NDT 6000

This 4 function is the biggest in the range. It is designed to make inspection quicker and easier for the operator using it. Size capability 2 3/8' – 13 3/8'

1. Longitudinal
2. Transverse
3. Wall thickness
4. Grade verification

All signals are reprocessed and reproduced by the individual system



NDT 2000

Portable unit with two function system includes transverse flaw detection and non-contact hall-effect well loss detection capabilities

- 1. Dual drive buggy**
- 2. Buggy Heads (2 3/8' – 6 5/8')**
- 3. C coils (8 1/2" , 10" , 12")**
- 4. 75ft System Cables**
- 5. Air Jacks and Tracks**
- 6. Test standards**



WELDING INSPECTION



EPIS

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WELDING INSPECTION

A precise, strong weld is only as good as the quality control system involved and the final inspection of the part. Our inspection process ensures an EPIS welded component is up to and beyond standards and won't fail in field.

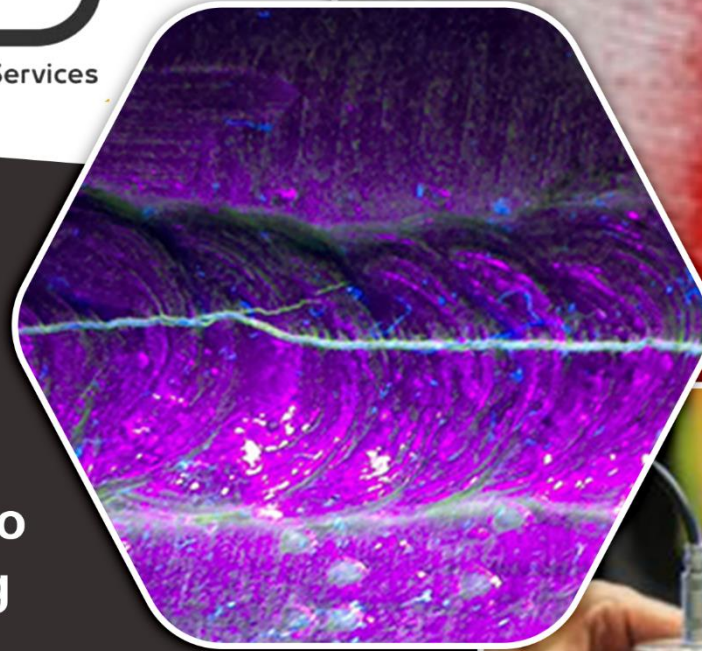
Welding Inspection Process

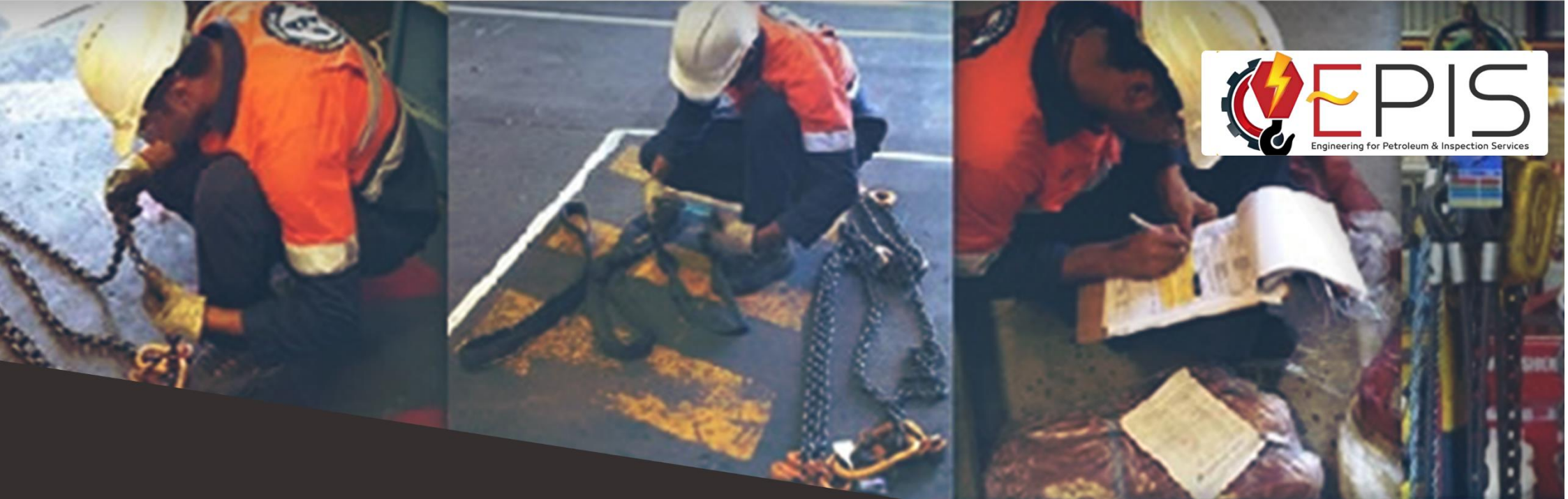
Weld inspection generally follows three distinct paths: visual inspection; destructive testing; and non-destructive testing (NDT). Visual Inspection involves looking at a weld with the naked eye and/or with some level of magnification. Typically, our inspectors are checking for cracks, pits, surface pores, undercut, under fill, missed joints, and other aspects of the weld.



WELDING INSPECTION

Visual inspection is limited to the surface area of the weld that is visible to the inspector, which means something like depth of penetration cannot be determined unless the weld is a full penetration weld and you can view it from inside the assembly. Hence, destructive testing is often required to further examine the quality of the weld.





LIFTING GEAR INSPECTION

EPIS provides a complete range of lifting gear inspection services for both the onshore and offshore industries . We are able to conduct lifting gear inspection in accordance with LOLER, ensuring equipment integrity traceability and improved HS .



ADVANCED INSPECTION

Long Range ultrasonic technique (LRUT)

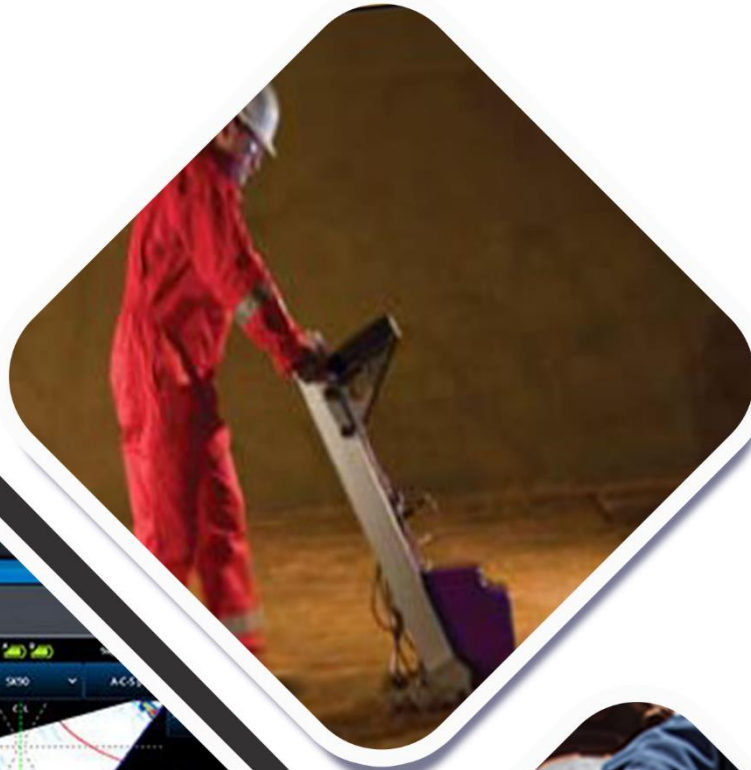
Pulsed eddy current Testing (PEC)

Short Range ultrasonic testing (SRUT)

Acoustic emission testing (AET)

On-stream probe inspection system

Online robotic tank inspection system





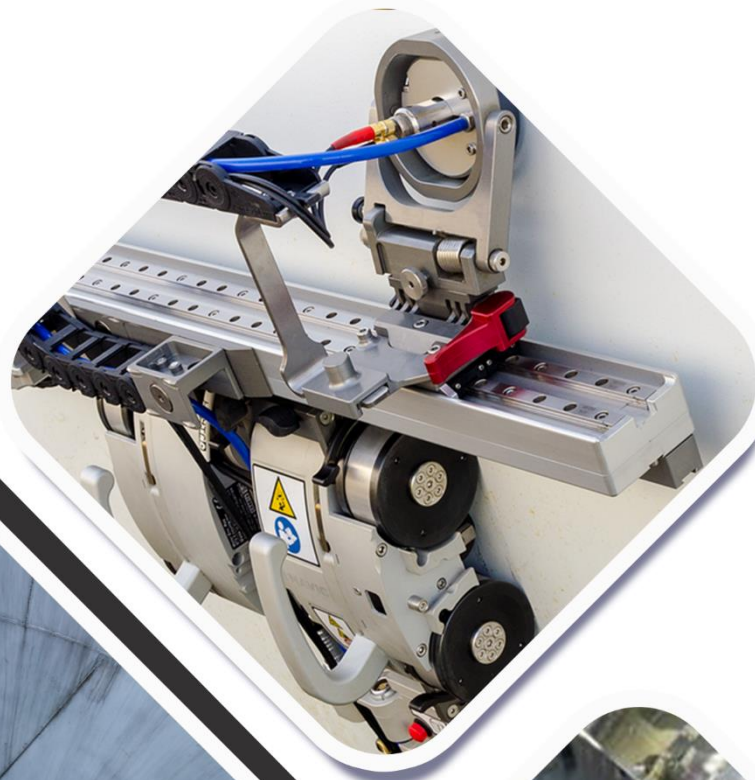
ADVANCED INSPECTION

Automated corrosion mapping

Phased array UT (PAUT)

Time of flight diffraction (TOFD)

Electromagnetic Acoustic Transducer (EMAT)



ELECTRIC **INSPECTION**

- Junction Boxes
- Control Panels
- Electrical Systems
- Transformers
- Switchgears
- Motor Control Centers
- Electric Motors (over 500 HP)
- By welding, and fabrication



LOW AND MEDIUM VOLTAGE CABLE TESTING SERVICE

EPIS have the modern and high technology portable cable testing equipment's for testing the insulation system of the Low and Medium Voltage cables. Thermal imaging survey for detection hot spots. The company has the most advanced Infrared thermal imaging camera as well as the infrared thermometers for both short and long distances targets.

SOLAR TESTING & PHOTOVOLTAIC (PV) SYSTEMS



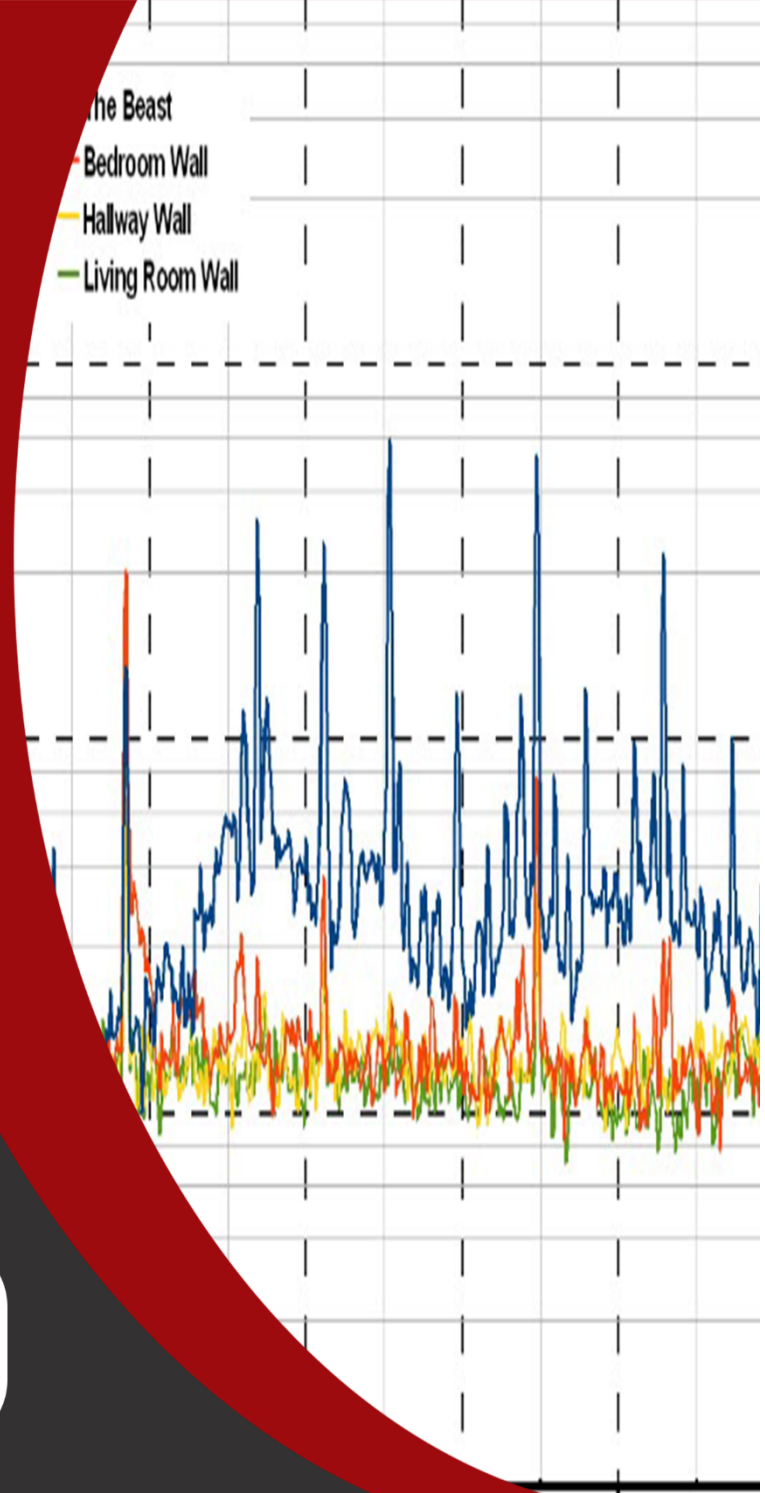
MECHANICAL VIBRATION INSPECTION

Why is Vibration Study and Analysis Important?

The vibration analysis is a very important technique, in terms of mechanical vibrations for machine diagnosis. It is based on the high information content provided by the machine vibration signals that are an indicator of machine condition, used for the diagnosis of faults. Vibration analysis in a predictive maintenance program, is widely used for monitoring and detection of initial and critical faults in machinery parts, like shafts, bearings, rotors, couplings, motors etc. Some problems that are usually detected by vibration analysis are: unbalance, misalignment, bent shaft, rolling bearing faults, eccentricity, resonance, looseness, rotor rub, fluid-film bearing instabilities, gear faults, belt/sheave problems.

Following are the reasons that makes vibration study and analysis important:

- Reduces equipment costs:
- Reduces labor costs
- Reduces lost production time
- Increases safety
- Increases revenue
- Increases efficiency of employee time





PRESSURE TESTING

**PRESSURE TEST FACILITY UP TO 26,000
PSI WITH CHART RECORDER
PRESSURE TESTING OF FLOW LINES**



EPIS

Engineering for Petroleum & Inspection Services



FLOW LINE CONSTRUCTION UP TO 6" SIZE

BY BUCKING MACHINE
BY WELDING, AND FABRICATION



MISCELLANEOUS SERVICES

HARDNESS TESTING SERVICES

EDDY CURRENT INSPECTION SERVICES

FAILURE ANALYSIS

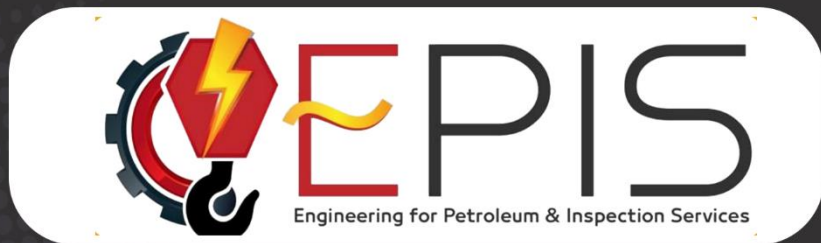
CALIBRATION AND REPAIR OF MEASURING INSTRUMENTS AND TOOLS

STRAIGHTENING SERVICES ID DRILL PIPE, HEAVY WEIGHT, ETC



ROPE ACCESS SURVEY

Allows for a wide variety of inspection and maintenance service at high elevations and other hard to reach areas . As the name implies ,rope access uses ropes and climbing techniques and is commonly used by industrial clients for inspection and maintenance it is a cost effective alternative to scaffolding and mechanical platforms . there are many advantages to industrial rope access including rapid mobilization , minimal set up time and limited disruption to operation or service



CLEANING TANKS & COATINGS AND TEST

Because unwanted corrosion can contaminate liquids, it's important to ask suppliers question that allow the confident choice of a coating with proven field performance.

Moreover, how the coating is applied further separates the quality of one tank from another. Coating application will take place either at the factory or in the field



FULL RIG **AUDIT** **SURVEYS**





SCOPE OF WORK

In accordance with the instructions received, EPIS Register Drilling Integrity Services attended the jackup rig, to complete a condition survey of the primary drilling equipment, mud system, well control equipment, marine equipment, power plant, electrical equipment, safety equipment, maintenance system and spare parts.

The purpose of this survey was to determine the general condition and state of maintenance of the equipment, in order to minimize downtime caused by mechanical breakdown during drilling operations and to ensure that the equipment is maintained in safe working order.

The survey was conducted in good faith, but the inspection of individual items of equipment was subjected to time and operational constraints imposed by rig operations at the time.



EPIS OFFERS

Customized rig inspection surveys onshore and offshore to help customers determine whether the current procedures, equipment and maintenance activities meet industry standards, manufacturers' specifications and conform to applicable statutory or classification requirements. Our rig inspection and survey services Include:

- Full rig conditional surveys
- Rig Start Up / Acceptance Surveys
- Maintenance / Equipment Surveys
- Subsea Surveys
- Marine Surveys
- Electrical Surveys
- Derrick / Dropped Object Surveys
- Visual Mast and Derrick inspections
- Drilling an handling tool inspections
- Colfax Hose Inspections
- NDT Services
- Riser Inspections
- Lifting Gear Inspections.

SURVEYS

Our surveys are about the quality assurance of total systems, procedures and policies, paying attention to the details but looking at the bigger picture:

Rig condition assessments (RCA)

To optimize your maintenance program and fiscal planning, you need detailed and accurate information about the condition of your vessel's hardware and hull. Our RCA service provides a comprehensive reliability assessment of a facility's hardware and structure for asset integrity assurance and the development of shipyard work scopes. RCAs are carried out before a rig or vessel's purchase, hire or reactivation, before shipyard upgrade projects, and as part of statutory hull inspections.

- Rig hardware assessments
- Hull preservation surveys (HPS)
- Class surveys and UWILD



SURVEYS

Class surveys and UWILD

Archer has accreditation from statutory bodies to provide annual specific periodic surveys (SPS) in conformance with the major classification societies for mobile offshore drilling units (MODU). Our class surveys and UWILD service include the development of work scopes, liaison with the relevant class authority and report generation. We provide multidisciplinary inspection personnel, including project managers, rope access technicians, divers and NDT personnel. We work hard to deliver our services with minimal disruption to your operations.

Regulatory and statutory surveys

We provide gap analysis for regulatory and statutory compliance before rig relocation's

Hull preservation surveys (HPS)

Our experienced steel and coating inspectors can establish and implement comprehensive and effective hull inspection programs that provide the following:

- compartment condition assessment reports
- prioritization of steel and coating repairs
- accurate steel renewal weight and material estimates
- accurate coating area and paint specification estimates
- repair procedure recommendations.





INSPECTION

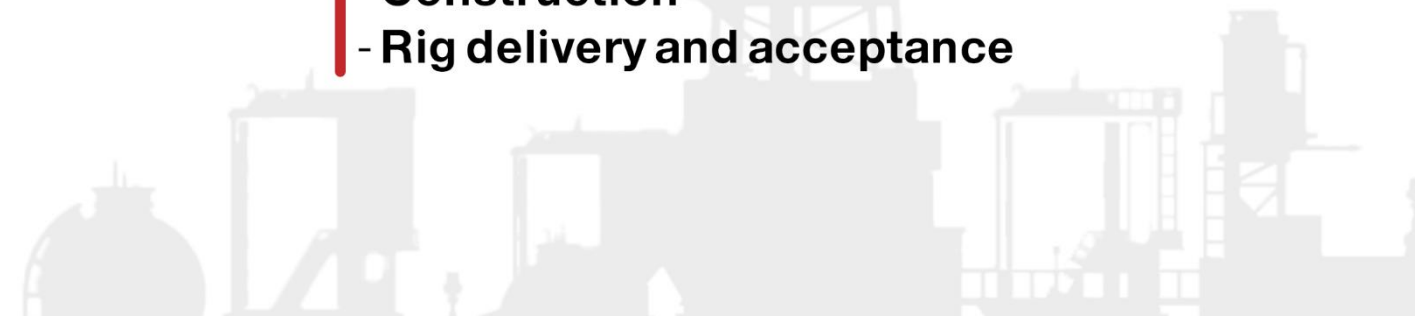
Our inspections focus on the quality control of individual components and sub-systems:

- Dropped object prevention schemes (DROPS)
- Lifting and lifted equipment
- Rope access
- Regulatory and statutory surveys
- Non-destructive testing (NDT).

PROJECT MANAGEMENT

For us, project management means taking the load from your shoulders, thereby helping you to deliver your promises, on time and within budget:

- Turnkey projects
- Supply chain
- Construction
- Rig delivery and acceptance





PULLING UNIT

EP-01 250 HP



EPIS

Engineering for Petroleum & Inspection Services

TECHNICAL AGREEMENT FOR XJ250J WORKOVER RIG

Design standard

- SY/T5202-2004 (petroleum workover rig)
- API Spec 4F (technical specification for workover and drill mast, substructure)
- API Spec 9A (technical specification for wire line)

Main technical parameter

- normal small workover depth(m) 3600 (2-7/8" oil tube)
- rated hook load(kN) 500
- max. hook load (kN) 750
- rated power of engine (hp) 340
- height of mast (m) 23.5
- traveling system 4×5
- Dia. Of wire line (mm) $\phi 22$

The mast is up to the API SPEC 4F working height: 23.5m



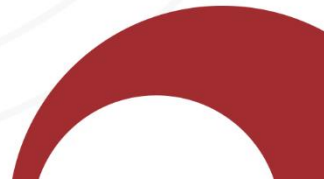


WIRELINE LOGGING SERVICES



EPIS

Engineering for Petroleum & Inspection Services





WIRELINE LOGGING SERVICES

Our large fleet of logging trucks, offshore units, logging tools and pressure control equipment, provides a wide variety of open-hole and cased-hole logging services to our clients.

Solutions

- **Production and Injection Performance Evaluation**
- **Stimulation Performance Evaluation**
- **Water Shutoff determination**
- **Tubing and Multiple Casing Integrity**
- **Acoustic Leak detection**
- **Perforation**
- **Pipe Recovery**
- **Cased Hole Formation Evaluation**
- **Interval Isolation and Borehole Seal**



WIRELINE LOGGING SERVICES

Equipment and Resources

- Dual purpose Wireline Logging units with Logging tools
- 10K and 5K Pressure Control Equipment
- Wireline tractors
- Production Logging
- Pulsed Neutron (PDN)
- Cement Bond Log / Radial Bond Log
- Multi-finger Caliper
- Electro Magnetic Thickness
- Through Tubing Bridge Plugs
- Non-explosive setting tools
- Leak Detection (Fiber Optic)
- Non-explosive cutters and tubing punchers
- Non Explosive Plug and Packer setting tool
- Mechanical cutters
- TCP, Wireline and Coiled Tubing perforation
- Geoscience and interpretation engineering services
- HT Logging Tools for Geothermal Wells





WASTE MANAGEMENT FOR OIL & GAS



EPIS

Engineering for Petroleum & Inspection Services



WASTE MANAGEMENT FOR OIL AND GAS

MK WITH EPIS is the leading provider of waste management and industrial cleaning services for the oil and gas industry in the UK. Formerly known as Enviroco—we have successfully delivered services to this sector for over 15 years, maintaining the highest levels of safety and service reliability. We operate through our quay-side facilities in Peterhead, Aberdeen and Great Yarmouth. Across these locations we have oil and gas waste management capabilities for handling and disposing of drilling muds, slops and effluents, and for NORM de-scaling and decontamination processes (provided through our NORM de-scaling facility, NORM Solutions). MK With EPIS's Total Waste Management package provides an integrated solution for all your waste management, hazardous waste and industrial cleaning requirements.

WASTE MANAGEMENT FOR OIL AND GAS



Our package can be tailored to include:

- Hazardous waste management
- General waste management
- Recycling
- Drilling waste management
- Decommissioning
- Produced water management
- Tank cleaning
- Industrial services
- NORM management

We have developed a range of extras to support our core Total Waste Management services, including:

- Quayside Storage

With quayside locations in Aberdeen, Peterhead and Great Yarmouth, epis is uniquely placed for the receipt of offshore waste.

-Technical Account Management

We allocate technical account managers with specific waste qualifications and experience, to deliver a package of add-on services, including:

- Offshore visits
- Monthly reporting
- Project management
- Contract performance reviews
- Waste and skip audits
- Information bulletins
- Training and advice
- Safety, Environment and Compliance Audits

MK WITH EPIS personnel conduct offshore audits, spending time on each offshore installation, discussing improvements to waste practices to help manage and reduce the waste being produced at source. These visits can be tailored to suit the individual client / installation.