

# Our Clients



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## Accreditation / Recognition



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## Company Profile

PWS, a company from *Tariq A.H. Al-Qahtani & Brothers group of Companies* was incorporated in 1992 to provide a wide range of inspection, testing and certification services to the local industry.

PWS has the resources, skills, and commitment to execute inspection & Industrial cleaning related services with high level of satisfaction of our valued Clients.

In addition to a focus on the quality of our technical services, we sincerely implement our motto of respecting and maintaining professional integrity of all information provided to us by our clients.

PWS provides services for Oilfield, Petrochemical and marine industries through inspection teams consisting of qualified and certified inspectors.

PWS is the 1<sup>st</sup> company in Saudi Arabia to achieve specialized quality management system accreditation API Spec. Q2

We intend to achieve above goals through an integrated management system covering quality, American Petroleum institute (API) Spec Q2, (ISO 9001-2015) Health & Safety (ISO-45001-2018) and Environmental management (ISO 14001-2015) systems.



Tariq A.H Al-Qahtani  
Chairman

## Vision Statement

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Primarily PWS wants to be ranked as the 'Best' in our business, our strategy is Integrated Management - fully satisfying our customer's requirements through process of continuous improvement, aimed at timely providing & continuously improving the OCTG (Oil Country Tubular Goods), Petrochemical industries and Marine industries inspection services, through inspection teams consisting of qualified and certified inspectors, providing a safe work environment, managing our business processes, and minimize of negative environmental impacts generated by its operations.

## Health, Safety & Environmental Policy

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PWS Company recognizes that the protection of the health and safety of its employees & others involved in or affected by its activities and the protection of the environment are an integral part of the Company's business performance and a prime responsibility of all our workforce at all levels..

### **PWS is committed to:**

Implementing a Health, Safety and Environmental Management System that is continually evaluated and improved over time to ensure:

- Healthy & Environment friendly working conditions.
- Waste Minimization and wise use of resources.
- Controlling its occupational health and safety risks and evaluating their impacts to eliminate or minimize the risks associated with it.
- Providing a safe and healthy work environment for its employees, neighboring facilities and community and safeguard products, tools and company facility.
- Complying with all relevant statutory legislation and general corporate HSE requirements.
- Pursuing the goal of no harm to employees, neighbors, and affiliated entities / interested parties.

## Quality Policy

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PWS Company recognizes that the protection of the health and safety of its employees & others involved in or affected by its activities and the protection of the environment are an integral part of the Company's business performance and a prime responsibility of all our workforce at all levels.

### **PWS is committed to:**

- Implementing a Health, Safety and Environmental Management System that is continually evaluated and improved over time to ensure
- Healthy & Environment friendly working conditions.
- Waste Minimization and wise use of resources.
- Controlling its occupational health and safety risks and evaluating its impacts to eliminate or minimize the risks associated with it.
- Providing a safe and healthy work environment for its employees, neighboring facilities and community and safeguard products, tools and company facility.
- Complying with all relevant statutory legislation and general corporate HSE requirements.
- Pursuing the goal of no harm to employees, neighbors, and affiliated entities / interested parties.
- Periodically review and update this policy.

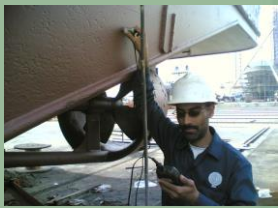
## PWS Services

PWS provides services for Oilfield, Petrochemical and marine industries through inspection teams consisting of qualified and certified inspectors.

The following are some services provided by PWS:



**OCTG / Oil & Gas Field  
Inspection Services**



**NDT Inspection  
Services**



**DROPS Survey**



**Lifting Equipment  
Inspection**



**Hydro Jet  
Cleaning**



**Industrial cleaning  
/ Vacuum**

## Oil & Gas field Inspection and Services

- Rig Asset Management Services on 24/7 Basis
- New/Used Drill pipe Inspection Services
- Straightening of Tubular
- Bottom Hole Assembly Inspection
- Various Drilling Tools Inspection
- Rig Mast Inspection
- Rig Parts and Handling Tools Inspection
- New/Used Tubing and Casing Inspection Services
- Coupling Buck on/off for Casing & Tubing
- Cleaning services- Mechanical wire brush, blasting & Hydro jetting
- Internal Cement removal for tubular
- Material Identification - Labeling
- Hardness Test
- Lifting Device Inspection & Support Services
- Hydrostatic Pressure Testing up to 30,000 PSI
- HULL GAUGING for Offshore Rigs/ Ships (ship survey)
- Blasting & Painting Services for Equipment & structures.
- Internal & External Coating for Tubular
- Videoscope
- Norm Survey (Naturally Occurring Radioactive Material).
- Various NDT + Advance NDT based inspections (MT, PT, UT, VT, RT, LT, ET - MFL, PAUT, TOFD & IRIS).
- Drops Survey & Retention Services.
- Services for material handling by Super Sucker



## Refineries, Petrochemical & Marine Industries

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- A. Non-Destructive testing (NDT) Services (UT/MT/RT/PT/VT&ET)
- B. Pipe line inspection - Auto UT, GUT, PAUT, TOFD
- C. Ship survey NDT Inspection (Service Recognized by ABS)
- D. Lifting Equipment Accessories Testing & Support services.
- E. Bore scope / Video scope Inspection
- F. Hydrostatic Pressure Testing up to 30,000 PSI
- G. Services for material Handling by super Sucker
- H. Cleaning services- Mechanical wire brush, blasting & Hydro jetting
- I. Advanced NDT based services.



## ADVANCE NDT

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- Computed Radiography
- PAUT
- TOFD
- Magnetic Flux Leakage-Tank Floor Mapping/Tank Bottom Inspection
- Internal Rotary Inspection System (IRIS)
- Long Range Ultrasonic Testing
- Eddy Current. (Both Surface and Bobbin Probe ECT)

## NDT Training, Certification & Consultancy

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- In-house as well as on Field training & Certification for Oilfield inspection, NDT inspection and Automated NDT inspection.
- NDT procedure preparation / Review/ Approval.
- NDT Inspection consultancy for Online/Offline inspection Systems.

## Computed Radiography

One of The Advanced technology in the field of NDT is Computed Radiography, this technology enables the digital capture of an image by use of a re-usable imaging plate (IP) which is coated with a phosphor layer, and when exposed to radiation can store the resultant energy.

The IP is then scanned using a laser scanner which results in the stored energy being released as ultraviolet light, the intensity related to the amount of radiation received, these light intensities are then read by a laser and a digital image is generated.

This image is stored as raw data, which means that although the image can be enhanced to optimize the contrast, magnify and measure the component the initial image remains unchanged. Computed Radiography has many advantages over conventional radiography such as, no expensive film to purchase, no processing chemicals (more environmentally friendly), wider latitude to enable a greater thickness range to be captured on one exposure, sharing of images electronically and easier storage.

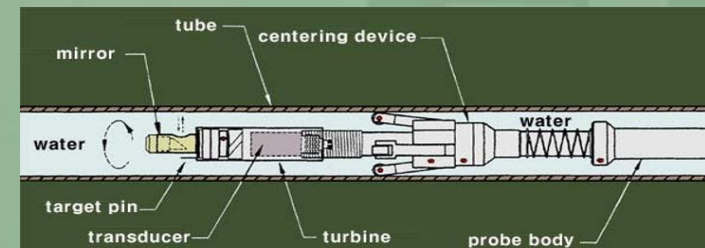


## Internal Rotary Inspection System (IRIS)

Internal Rotary Inspection System (IRIS) ultrasonic test method which is employed for testing of pipes and tubes in boilers, heat ex-changers and fin-fan tubes. The IRIS probe is inserted into a tube that is flooded with water, and the probe is pulled out slowly as the data is displayed and recorded. The ultrasonic beam allows detection of metal loss from the inside and outside of the tube wall. The IRIS probe consists of a rotating mirror that directs the ultrasonic beam into the tube wall. The mirror is driven by a small turbine that is rotated by water pressure.



The Probe Used for IRIS



## TOFD

**Time of Flight Diffraction (TOFD)** has proven to be the most accurate and effective. NDT technique in determining the defect height. Through a fully computerized system, our experts provide a grade of accuracy never achieved by other ultrasonic techniques. The system provides scan, store and evaluate indications in terms of height, length, and position



## PAUT

Through a team of trained, skilled, and experienced professionals, PWS provides advanced **Phased Array Ultrasonic Testing (PAUT)** for flaw detection, sizing, and imaging. It offers significant technical advantages for weld testing and plant monitoring over conventional ultra-sonic as the phased array beams can be steered, scanned, swept and focused electronically from a fixed probe position.



## Eddy Current Testing (Both Surface & Bobbin Probe ECT)

Compared to other noncontact sensing technologies such as optical, laser, and capacitive, **high-performance eddy-current** sensors have some distinct advantages. The intergranular corrosion depth showed by root cause failure analysis is smaller than that showed by EC inspection. We attribute the EC inspection results deviation to a tube magnetization due to mechanical stress and to a secondary phase due to an incomplete solubilization after tube conforming and welding



## DROPS Survey

PWS is a member of DROPS group. PWS takes pride to provide technically advanced services for dropped object survey for oil & gas industries. DROPS survey is carried out as per relevant inspection program & with reference to DROPS, IADC guide lines. Comprehensive DROPS survey is being conducted which ensures full equipment inventory, rectification of nonconforming items & training staff to conduct periodic onsite inspections. Full survey report is being prepared including a picture book complemented with detailed inventory, assessment of the integrity of fittings and secondary retentions, recommendations for maintenance.



## Lifting equipment Inspection

PWS provides specialized services, for inspection and management of lifting equipment & accessories. PWS provides complete support to client in managing pre-inspection as well as post- inspection requirements. **Inspection services for the lifting equipment & accessories** are provided as per Customer requirements as well as international standards. PWS always ensures the safety & reliability of lifting equipment/accessories and compliance with statutory requirements. Services are being provided by qualified, certified & experienced inspectors



## Other Lifting Services

- Inspection & certification of all types of lifting equipment & accessories
- Load test
- NDT of lifting equipment & accessories
- Third party services for Inspection & Testing
- Rental equipment & Dead weight for load test
- Repair / replacement of equipment & accessories
- Grit blasting, color coding
- Examination & Certification data management

## High Pressure Water Jetting

PWS actively involved in the Oil field Rigs, Petrochemical, Fertilizer and Power plant Industrial cleaning industry, with effective industrial cleaning equipment to accomplish all industrial requirements.

PWS's industrial cleaning equipment range from 2000 psi to 40000 psi to deliver the ideal industrial cleaning solutions. Specialized equipment and mechanism are being used while providing water jetting services.

Our high-pressure water jetting services for industrial cleaning solutions includes;

- Hard scaling inside rubber lined, pipes, vessels and ducts
- Belt filter high pressure cleaning
- Heat exchanger tubes
- Hard fertilizer scaling
- Total Rig cleaning
- Tanks, vessels and all other industrial hardware
- Under water high pressure water jet cleaning



## Super Sucker (Vacuum Cleaning)

PWS provides vacuum cleaning services in Refineries, petrochemical, oil & gas field, fertilizer & power plants.

Specialized services includes:

- Removal of the spillage of fertilizer, gypsum and sand.
- Removal of Sulfuric, Phosphoric acid or any diluted/ concentrated liquor material using wet vacuum truck.
- Removal of sludge, drilling mud and soil.

