

IMW/INW CONSTRUCTION & INSPECTION Services For onshore & offshore Applications

1- Inspection Services

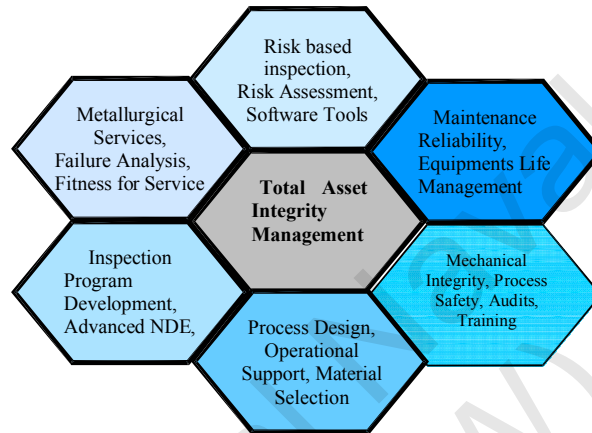
2- Construction Services

3- Rope Access Services

1. Inspection Services

A. PLANT Inspection

- Development of an integrated approach to equipment integrity management, asset integrity Management and analysis this includes various elements as follows:-
 - 1-Risk Based Inspection (RBI).
 - 2-Direct assessment.
 - 3-Defect assessment.
 - 4-Fitness For Services (FFS).
 - 5-Thickness measurements locations (TML) (s).
 - 6-Corrosion monitoring
 - 7-Rotating machineries vibration integrity management system and static equipment integrity.
- Conduct all kinds of inspection activities (welding, painting, coating, corrosion, etc) for piping works, pressure vessels, boilers, heaters, pressure safety devices, heat exchangers and storage tanks.



B. NDT ACTIVITIES

- Ultrasonic testing. (UT)
 - Radiographic testing (RT).
 - Magnetic Particle Testing.(MPT)
 - Dye Penetrant Testing.(DPT)
 - Thermo graphic testing.
 - Eddy current testing.(ET)
 - Incotest technique.
 - TOFD (Time of Flight Diffraction) technique.
 - Vibration analysis.
 - Gas leak detection.
 - Endoscopy examination (Rigid, Flexible optical inspection system).
 - Accoustic Emission.
- Thickness measurements survey for ships, vessels & mobile offshore drilling units under the authority of different International Classifications Societies (IACS).
 - INW/IMW inspection and NDT technicians have sound experience, knowledge and certification according to the Relevant standard codes.

C. Painting & Coating Inspection.

- Measure (Dry film thickness) D.F.T using Elcometer.
- Roughness Detector.
- Adhesion testing.
- Holiday detector.
- Review the coating / painting specifications for both onshore & offshore production facilities.
- Control & witness the performance and quality of painting application during the execution Phase as well as coating & wrapping.

D. Cathodic protection.

- Cathodic protection / design / supply / installation and monitoring.
- Soil Resistivity survey to Define Location of The ground Bed.

E. Welding inspection

- Conduct inspection for all welding processes by all techniques according to Project quality plan (P.Q.P).

F. Civil and Soil Inspection.

- All the related tests and inspection for civil and soil.

2. Construction Services

1- Storage tanks.

2- Piping net workshop fabrication & erection.

3- Soil preparations.

4- Pipe lines.

5- Steel structure fabrication & erection. 6- Cables extension and cables trays.



Piping Erection



Steel Structure Erection



Piping Fabrication Workshop



Storage Tanks Erection

3- Rope Access Services

- A. Rope access is a form of work positioning. It uses specialized rope techniques to place workers (technicians) in many disciplines in location Hard-to-reach to provide a reliable, safe and Cost-effective solution for a variety of tasks, such as Maintenance, repair, surface preparation, Painting and inspection Works.
- B. Rope access technicians (RATs) personnel are certified according to IRATA (Industrial Rope Access Trade Association).
- C. Rope Access Services shall include but not limited to:

• Rope Access for on-shore Applications



Heat Exchanger



Painting



Piping net Inspection



M.T for Steel Structure



Storage

• Rope Access for off-shore Applications



Inspection



Maintenance Repair



Surface Preparation



Platforms Constructions

❖ IMW/INW – inspection & construction dept. staff

All the above services are carried out strictly either by our competent personnel or through utilizing other international Associates in compliance with the requirements specified by the client according to their instructions, Specifications, International Standards, Codes and IMW/INW in house procedure.

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