



INJOTECH INDIA PVT. LTD.

INJOTECH INDIA PRIVATE LIMITED

INSPECTION | NDE | HEAT TREATMENT SERVICES





WE PROVIDE FOLLOWING NDE SERVICES WITH SOLUTIONS

➤ **INDUSTRIAL RADIOGRAPHY (X-RAY AND GAMMA RAY)**

Co-60, Se-75, Ir-192 & X-Ray up to 350 kV

RT of Tube to Tube Sheet welded joints

Computed Radiography (CR) with GE & Carestream (Kodak) make scanners

Digitization of X-Ray films with Array Corporation scanner

X-Ray using Pulsed X-Ray Machines

➤ **ULTRASONIC EXAMINATION**

Ultrasonic Flaw Detection with recordable EPOCH-650 machine

Oxide Layer Measurement

Ultrasonic Thickness Gauging on hot compound up to 150° C

Ultrasonic Coating Thickness Gauging

Ultrasonic Testing of Tube to Tube Sheet welded joints

Ultrasonic Velocity Measurement - Measurement of Acoustic Velocity of materials by ultrasonic technique

Nodularity Measurement a.k.a. Grain Size Measurement

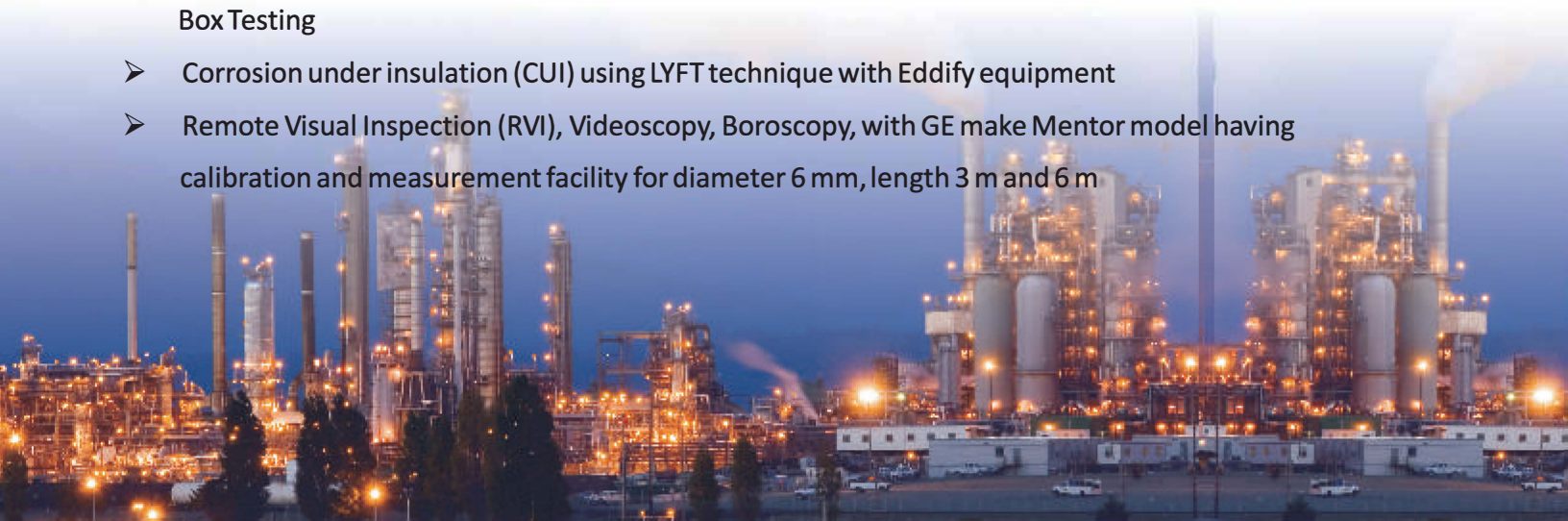
Ultrasonic Flow Measurement - Measurement of liquid and steam flow using ultrasonic technique

PAUT & TOFD using Olympus equipment

➤ Helium and Vacuum Leak Testing with Pfeiffer and Varian make machines, including Vacuum Box Testing

➤ Corrosion under insulation (CUI) using LYFT technique with Eddify equipment

➤ Remote Visual Inspection (RVI), Videoscopy, Boroscopy, with GE make Mentor model having calibration and measurement facility for diameter 6 mm, length 3 m and 6 m





- Pipe and bore inspection with 6 mm, 23 mm and 60 mm diameter probes
- Eddy Current Testing (ECT, RFET, LFET, Near Field, MFL) & IRIS using "Eddyfi Ectane-2" system
- Positive Material Identification (PMI) with Thermo-Niton and Olympus make equipment
- SOES (Spark Optical Emission Spectroscopy) a.k.a POES (Portable Optical Emission Spectroscopy) with Carbon measurement using Belec equipment
- Ferrite Measurement
- Residual Life and Condition Assessment (RLA)
- In-Situ Metallography
- In-Situ Hardness Testing
- Infrared (IR) Thermography for hot and cold spots and leak detection using FLIR630D equipment
- Holiday Testing
- Magnetic Particle Testing (MT)
- Liquid Penetrant Testing (PT)
- Third Party Inspection as per client's specification/procedures/standards
- Heat Treatment - PWHT, stress relieving using resistance heating (220 Volt & 80 Volt) and induction method, or using high velocity oil and gas burners with modular furnaces
- Welding inspection, third party inspection & QA/QC inspection
- Fugitive Emission Testing for valves
- Pressure Distribution Measurement test using PRESCALE film
- Training for various NDE & Inspection methods:
 - ASNT Level III (RT, UT, MT, PT, VT, LT, ET & IR)
 - EN 473 / ISO 9712 Level 3 (RT, UT, MT, PT & VT)
 - CSWIP 3.1 Welding Inspector
 - API 653 Authorized Tank Inspector



API 510 Authorized Pressure Vessel Inspector

API 570 Authorized Process Piping Inspector

API 571 Degradation Mechanisms in Refining Industry

API 580 Risk Based Inspection

API SI Source Inspector

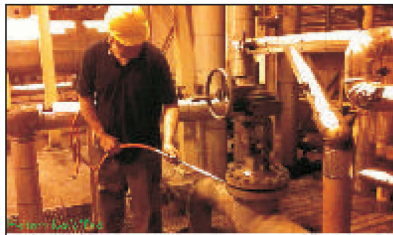
Basics, introduction and application of NDE in various industries

- AERB eLORA consultancy services and training
- Industry 4.0 implementation consultancy services
- Team of 250 plus employees available to provide services on Pan-India & overseas basis

LIST OF CLIENTS

- | | | |
|-----------------------|---------------------|---------------|
| • L&T | • ISGEC LTD | • OF AMBAZARI |
| • GODREJ | • GRASIM INDUSTRIES | • OF DUM DUM |
| • THERMAX | • HINDALCO | • GUN & SHELL |
| • KSB PUMPS | • GNFC | • AFK PUNE |
| • ALFA LAVAL | • GE INDIA | • RCF ALIBAGH |
| • ISGEC HITACHI ZOSEN | • OF CHANDA | • TEMA |
| | | • INDORAMA |

OUR SERVICES



HELIUM LEAK TEST



PAUT



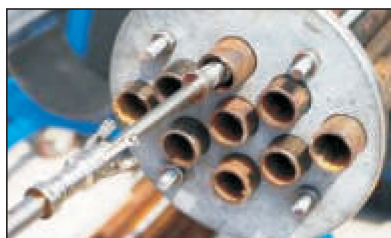
THERMOGRAPHY



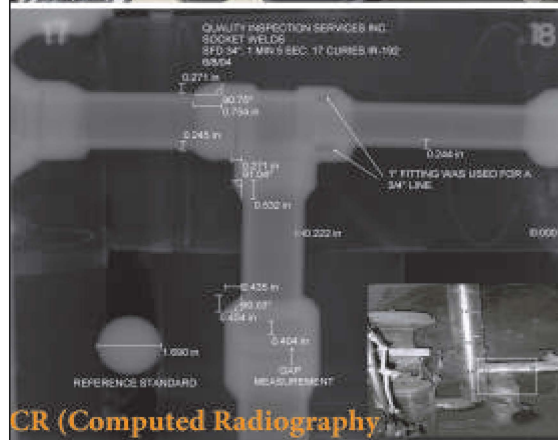
PMI CARBON SPECTROMETER



RADIOGRAPHY



TUBE INSPECTION



CR (Computed Radiography)

COMPUTED RADIOGRAPHY



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