



Digital Radiography Services

The Challenge

How can owners/operators ensure the integrity of piping where conventional ultrasonic gauging results are not detailed enough or where the piping is insulated?

The Solution

EM&I Digital Radiography services provide the ability to assess piping condition through insulation and other enclosing media such as ice. The resulting images are stored in an electronic database and can be used for monitoring piping condition by referring to a dated register of radiography shots.

EM&I's Digital Radiography service can reduce maintenance effort and facilitates corporate and regulatory compliance, and can be used with the use of rope access eliminating the need for scaffolding.

The Benefits

- Provision of high quality radiographs
- Maximising site work efficiency
- Reduces health & safety risks
- Capable of producing radiographs through insulation, ice, cladding etc
- Saves cost - No need for shutdown or stripping of insulation
- Lightweight, compact scanner suitable for use on site or in remote locations
- On site darkroom and processing chemicals not required
- Real time transmission of radiographs minutes after the shot has been taken
- Flexible, powerful, accurate measuring software which can determine wall thickness
- Flash Filter significantly improves the image quality
- Digital Radiography can be used for the detection of water-saturated insulation, detecting the areas early will reduce future costs of CUI failure and ensure the integrity of the plant



Track Record

We measure our performance through systems like FPAL and unsolicited testimonials. Our proven track record of satisfied Clients is available on our Website.

Further information is available from your nearest EM&I office who will be pleased to discuss your particular needs. Case Histories and References, demonstrating our capabilities and Client satisfaction, are available on our Website.

Credentials

Health & Safety – We assure Occupational Health & Safety through our ISO 45001 accredited Health & Safety Management System. EM&I has an outstanding HSE record and has been awarded twelve, consecutive, RoSPA Occupational Health & Safety Gold Awards including five Gold Medals and four President's Awards plus other international awards.

Other safety awards include a platinum IFAP Safe Way Safety Achievement Award in Australia and the Leith Offshore Safety Award.

Environmental – We assure Environmental performance through our ISO 14001 accredited Environmental Management System.

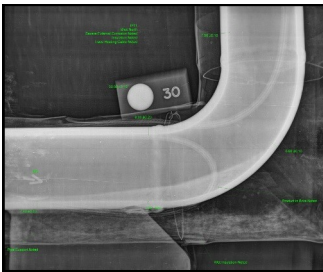
Quality – We assure quality through our ISO 9001, ISO 17020 and ISO 17025 accredited Quality Management Systems and seek continuous improvement by measuring Client satisfaction through FPAL and regular Stewardship Reviews.

Compliance – EM&I's methods are approved by Classification Societies and accepted by regulators worldwide.

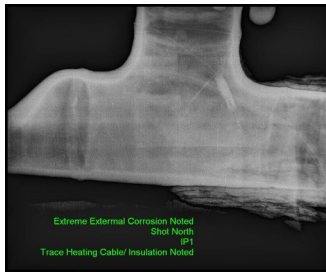
Rope Access – EM&I have been a Full Member of IRATA since its inception in the 1980s.

HITS JIP – EM&I have a leadership role in the Hull Inspection Techniques and Strategy (HITS) JIP whose members include Oil Majors, Classification Societies, Regulators, Lease Operators and service companies.

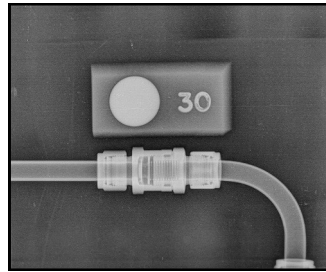
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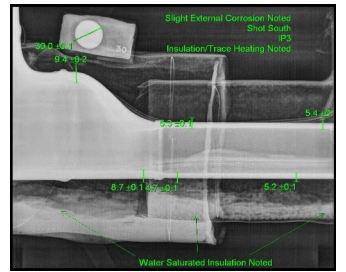
Digital image showing pipe support external corrosion under insulation and solids build-up



Digital image showing severe external corrosion under insulation



Digital image showing small bore piping fit-up



Digital image showing wet insulation and solids build-up

Integrated Services

EM&I's proven technical and project management experience means we can successfully deliver complete projects thus letting you focus on your core business.

Our in-house service capability includes Asset Integrity Systems, Inspection, NDE, Maintenance & Repair, Corrosion Management, Cathodic Protection, Safety, Environmental and Engineering services.



Visit our Website:- www.emialliance.com

