



Industrial Mechanical Integrity

MI Solutions is uniquely qualified to be a high quality, proactive partner with our clients for the provision of inspection and testing services. Our business model focuses on providing cost-effective inspection solutions to minimize our client's risk.

OUR FOUNDATION:

INNOVATION, QUALITY, AND SAFETY

Industries Serviced

Petrochemical - Oil and Gas - Fabrication - Pipeline - Offshore - Energy

Service Model Based on Innovation, Quality, and Safety

A summary of MI Solutions services include:

- **On-stream/Resident Inspectors**
 - Nested Staff FT On Location to include Administrative, Schedulers, Document Control, etc
 - Run & Maintain Teams
- **API and NDE Turnaround Inspectors & Support Staff**
- **Refractory Consulting and Inspection**
 - 3rd party Inspection group with no commercial affiliation with any refractory installer, material manufacturer or test lab
- **Pipeline Integrity**
 - Multiple methods of Inspection and NDT coupled into crews to minimize manpower and maximize efficiency
- **Conventional NDE - UTT, PT, MT, VT**
- **Call-out NDT, including Radiography**
 - Quick response teams available 24/7
- **Computerized Radiography - CR**
 - Flexible Phosphorus imaging plates that eliminate the use of chemicals
- **Digital Radiography - DR**
 - Digital Detector Panel synced with X-Ray tube for instant image results and review
- **Real-time Radiography - RTR**
 - RTR system used for rapid screening for Corrosion under insulation
- **Advanced UT Inspection**
 - Phased Array
 - Multi-element ultrasound pulsed independently to form an array of beams
 - AUT
 - Repeatable and reliable C-Scan corrosion examination
 - High Temp AUT
 - Air cooled 2 axis scanner capable of scanning up to temperature of 700° F

A summary of MI Solutions services continued:

- TOFD
 - Generally coupled with PAUT for inspection of new construction vessels, spheres and tanks
- HTHA
 - Technicians are certified by third party training specified for this method; training is performed on actual samples taken from the field with various stages of High Temperature Hydrogen Attack
- EMAT
 - Electromagnetic Acoustic Transducer used for rapid qualitative inspection
- Dissimilar Weld Metal Inspection
 - Fully automated refracted longitudinal wave technique
- Guided Wave Ultrasonic Inspection
 - Wavemaker® G4 32 channel Long Rang Ultrasonic System used for Qualitative screening on buried, insulated, and wrapped piping
- **Rope Access Inspection**
 - SPRAT Certification Scheme with inspection and light mechanical remote access capabilities
- **Creaform**
 - 3D Laser Corrosion mapping of external surface of piping and equipment that is 80 times faster than traditional pit gaging technique
- **PMI**
 - Positive Material Identification Inspection utilizing Optical Emission Spectrometry (OES), X-Ray Fluorescence (XRF), Laser Induced Breakdown Spectroscopy (LIBS)
- **Hardness Testing**
 - Electronic and Telebrinell Hardness Testing
- **Mechanical Integrity Program Development**
- **Vendor Surveillance and QA/QC Inspectors**
- **QA Program and Inspection Procedures Development**
- **CAD Drawing and Data Entry**
 - IDMS personnel and software supplied per Client's needs

LOCATION:

5218 Spencer Highway
Pasadena, TX 77505

CONTACT US:

During Normal Business Hours: (281) 664-1770

For 24 Hour Inquiries:

MI-Solutions@rcigroup.us
(225) 229-6945



Industrial Mechanical Integrity

 A DIVISION OF RCI ENERGY GROUP

www.RCIGroup.us