

MECHANICAL INTEGRITY

Early mechanical integrity programs focused on corrosion as the main damage mechanism and inspection intervals were determined by a combination of corrosion rates and fixed intervals based in **API 510, 570 and 653 codes**. Many plants embarked on these programs as a way to comply with the federal mandate rather than initiate the program as a good business practice. However, as many industries continued to experience catastrophic equipment failures, less than reliable equipment operation and high maintenance costs, the need for a sound mechanical integrity program began to gain traction.

KEY BENEFITS

- Baseline program development
- Traditional NDE support
- Advanced NDE support
- Mechanical Integrity Programs
- MI Software implementation services
- Program Management
- Full Regulatory Compliance
- Reduction in Maintenance Costs
- Improved Plant reliability
- Right sized inspection programs
- Risk Based compliance

570 — Piping

- ⇒ Visual
- ⇒ Video Probe
- ⇒ Lyft (CUI)
- ⇒ Guided Wave Ultrasonics
- ⇒ C-Arm Scanner (CUI)
- ⇒ CML's



510 — Pressure Vessels

- ⇒ Visual
- ⇒ Video Probe
- ⇒ Lyft (CUI)
- ⇒ CML's
- ⇒ Tube Bundle Inspection
- ⇒ Eddy Current
- ⇒ Remote Field Testing

653 — Above Ground Storage

- ⇒ Visual
- ⇒ Video Probe
- ⇒ Lyft (CUI)
- ⇒ Ultrasonic Crawlers
- ⇒ CML's
- ⇒ Vacuum Leak Test
- ⇒ Magnetic Floor Scanners (MFE)

