

## Mechanical Integrity Services

For API 653-510-570

### Storage Tanks, Pressure Vessels, Piping Components

#### Equipment Abilities:

- Conventional RT, UT, MT, PT & VT
- Automated Ultrasonics
- MFE Tank Scanner
- A,B, C, and TOFD UT
- OES and XRF PMI
- Ferrite Content
- Computerized RT
- Digital Metal Hardness
- X-Ray Profiling
- Laser & Light Scanning

#### Reporting Results:

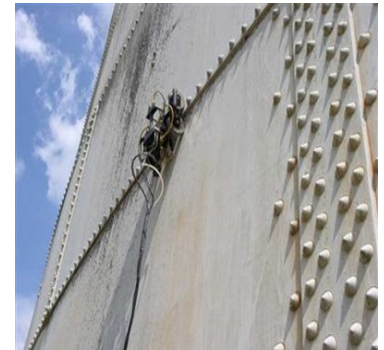
- Ultra-Pipe
- Spreadsheet & Photos
- Carbon equivalency results
- Estimated remaining life and corrosion rates
- Material grade and MAOP rating
- Oxide build up and creep stage detection
- PRD, Valve and Sump condition

- Standardized reports, or your format for Total API compliance and PSM.
- Inspection & Test Plans and check list verification.
- Calculations for your engineers to evaluate and approve MAOP, including Risk-Based Programs.
- Field Site Trailers and on-site reporting.
- Asset Integrity examination, testing and monitoring.
- Establish Corrosion Rates and *t-min* values

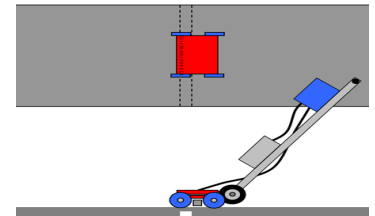
### Materials & Construction Auditing

- OES or XRF PMI to verify Material Test Records (MTR's).
- P&ID Design and Verification walk down

*Safety always first*



**Ultrasonic Tank Crawler**



**Tank Bottom - Floor Scanner**



**X-Ray Profiling - C-Arm Scanner for Corrosion Under Insula-**