ASSET INTEGRITY & CORROSION CONTROL
Mears Integrity Solutions provides turnkey prevention, inspection, and remediation services. Corrosion prevention and control were at the heart of Mears in their early years, and continues to be at the core of their specialty technical and engineering services. Single-point provider in turnkey services.

Mears was recently awarded the 2014 NACE Distinguished Organization Award.
With over 500 employees encompassing pipeline related services: Pipeline integrity engineering, testing and construction services. Electric and power industry integrity Services. We are a staff of industry leaders and experienced professionals. A Quanta Services Company that’s a worldwide network of personnel and equipment.

www.mearscorrosion.com
The Quanta Model: Acquire the best companies in the industry and allow them to operate as “intrepreneurs”

Quanta Is...

- One of few service providers able to regularly deliver full turnkey solutions on projects of virtually any size.
- The POWER OF ONE. Collaboration & cooperation between Quanta Services companies streamlines processes, leverages knowledge and delivers high customer value.
7 GUIDING PRINCIPLES

1. Start
   Our customers are our employee.

2. Mission
   Our customers buy value.

3. Analysis
   Provide cost-effective solutions - meeting customer expectations.

4. About Us
   We will continually seek new niche market opportunities.

5. Team
   Use teamwork to achieve greater wisdom in the marketplace.

6. Grow
   Grow from our collective experiences.

7. Pride
   Respect for individuals is fundamental to our long-term success.
PIPELINE SERVICES

PREVENTION
Cathodic Protection
AC Mitigation

INSPECTION
Direct Assessment (ECDA/ICDA/SCCDA)
Non-Destructive Testing
Above Ground Surveys

REMEDIATION
Pipeline Reconditioning
Construction
PREVENTION
Corrosion Control to Preserve Assets

Based on Threats
Environmental and Operational

Efficient Design for Protection
Coatings and Cathodic Protection

Critical Function
Consequences of failure / downtime

Cost / Benefit Analysis
Best value proposition. “Non-Bang” for the Buck

Regulatory Requirements
PHMSA compliance
CATHODIC PROTECTION

Mears has years of professional experience assessing and designing CP systems for a wide variety of structures and facilities.

CATHODIC PROTECTION (CP) TURNKEY SERVICE PACKAGES:

- CP Monitoring and Evaluation
- CP Design Services
- CP System Installation and Commissioning
- Linear Anode System Design and Installation
AC MITIGATION

Mears delivers turnkey AC Mitigation Services from field surveys to design, installation, and commissioning

AC MITIGATION SERVICES PACKAGE:

- Assessment of electromagnetic interference effects on proposed and existing pipelines
- Field surveys to determine AC voltages induced on proposed and existing pipelines (RAP Sheet)
- Analysis of AC safety and AC corrosion or pipelines
- Design, installation and commissioning of AC mitigation systems
INSPECTION

DIRECT, INDIRECT, AND DATA ANALYSIS

ABOVEGROUND ELECTRONIC SURVEYS
- CIS, PCM, ACVG, DCVG and Soil Resistivity
- AC Mitigation Testing including AC CIS
- GPS Sub Meter and Sub Centimeter Surveys
- DC Interference Testing and Assessment
- Induced AC Impacts

ANALYSIS
- Data Analysis and Reporting
- Run-to-Run Analysis
- Corrosion Growth Analysis

DIRECT EXAMINATIONS
- Turnkey Construction and Inspection
- NDE including Automated UT and Laser Scanning
- RSTRENG and Engineering Analysis
- Welded and Composite Pipe Repairs
AC/DC INTERFERENCE
- Zinc ribbon installation to address personnel safety, ground faults and AC corrosion
- Interference remediation design and installation

TROUBLESHOOTING
- Cathodic Protection Systems
- AC/DC Mitigation Systems

REMEDIATION
REPAIRS TO STRUCTURES AND COATING

FULL CONSTRUCTION AND REHABILITATION SERVICES PIPELINES
- RSTRENG/KAPA Analysis for Structural Assessment
- Clock spring Repairs and Welded Sleeve Repairs

COATINGS
- Coating Repairs with Compatible Materials
- Automated Abrasive or Water-blast Coating Removal
- Site-specific Coating Application Techniques

CATHODIC PROTECTION
- Cost effective linear anode installation (plowed or bored)
- Rectifier and ground bed installations

Zinc ribbon installation to address personnel safety, ground faults and AC corrosion
- Interference remediation design and installation

AC/DC INTERFERENCE
- Zinc ribbon installation to address personnel safety, ground faults and AC corrosion
- Interference remediation design and installation

TROUBLESHOOTING
- Cathodic Protection Systems
- AC/DC Mitigation Systems
DIRECT ASSESSMENT

Turnkey Direct Assessment Implementation

Mears assists clients in the development of ECDA standards and protocols that are appropriate for their pipeline systems. The four steps of the ECDA process are available in combination or individually to accommodate specific needs.

- Direct Assessment Service Package:
  - Turnkey External Corrosion Direct Assessment (ECDA)
  - Turnkey ECDA for Cased Pipe
  - Turnkey Internal Corrosion Direct Assessment
  - Turnkey Stress Corrosion Cracking DA Evaluation Services (SCCDA)
POWER GENERATION

- Shared Corridor Pipelines
- Analysis, Design, Installation, and Commissioning

AC Mitigation Services

- Cathodic Protection at Plants and Substations
- Analysis, Design, Installation, and Commissioning
- Smart Monitoring
- NCAT – Nuclear Corrosion Assessment Tool

Nuclear Generation Underground Piping

TCAT for Tower Corrosion

Transmission Towers
PIPE TYPE CABLE

Complete Pipe Type Cable Integrity Services:

- *Engineering Analysis for Pipe Integrity*
- *Data Management*
- *Engineering Design for Corrosion Control*
- *Pipe Indirect Surveys*
- *NDT /Bellhole Inspection Services*
- *Corrosion Damage Repairs*
- *Third Party Damage Repairs*
T.C.A.T. FOR TOWER CORROSION ANALYSIS TOOL

Mears developed the T.C.A.T. application and uses tablet computers to enhance data collection to provide the analysis of steel tower corrosion likelihood and long-term project management of tower corrosion concerns.

● T.C.A.T. Components

**Hardware**

*T.C.A.T. proprietary software and Risk Ranking Algorithm*
Mears Integrity Solutions offers a full suite of services to assist Nuclear Plant operators in the control of corrosion of buried and submerged piping systems, heat exchangers and condensers. Services include:

- Cathodic Protection Assessments, Design and Installation
- Cathodic Protection Monitoring and Annual Surveys

**NUCLEAR GENERATION UNDERGROUND PIPE CP PACKAGE:**

- Cathodic protection design - new and functional uprating
- Cathodic protection installation
- Cathodic protection monitoring by trained, qualified and experienced personnel
- Cathodic protection smart monitoring
- Advanced smart test stations
- Nuclear corrosion assessment tool (NCAT)
- Performance zones
- Periodic monitoring cycles
CONSTRUCTION SERVICES

Let Mears engineering professionals design a remediation program that completes the integrity process without the need for multiple subcontractors.

- Excavation for Direct Assessment
- AC Mitigation Systems
- Conventional and Linear Anode Installations

Our full-time construction crews, located across the United States and Canada, exceed DOT Operator Qualification requirements. The Mears advantage is that each construction crew is embedded with registered engineers and technicians certified in corrosion assessment, inspection, magnetic particle and ultrasonic NDT examinations techniques.
TRAiNING TOMORROW’S LEADERS

• Located in LaGrange, TX
• Pipeline Training
  • Direct Assessment, Cathodic Protection and nondestructive training courses
  • Pipeline safety training
  • Inline Inspection
• Bunkhouse and Cabins for student and instructor lodging
• Customer meetings and trainings
• Natural Gas training began in September of 2015
• Fully energized transmission line and substation
Flow loops to run testing Pigs through pressurized pipes.
GET IT IN TOUCH

Address
Mears Group, Inc.
4500 North Mission Road
Rosebush, MI 48878

Phone & Fax
Direct Line: (844)-802-4195
Toll-Free (800) 632-7727

Online
www.mearscorrosion.com
LinkedIn.com/MearsGroup