



**CORROSION INDUSTRIES** INC.

**PIPELINE  
INTEGRITY  
MGT**

**CATHODIC  
PROTECTION**

**ECDA  
DG-ICDA  
SCCDA**

**CORROSION CONTROL  
PROFESSIONALS**

**SYSTEM  
INSTALLATIONS**

**MATERIAL  
SALES**

**ENGINEERING  
SERVICES**

FULL-SERVICE CORROSION ENGINEERING

# CORROSION ENGINEERING AND CATHODIC PROTECTION SERVICES

Allied Corrosion Industries, Inc. (ACI) is a full-service corrosion control corporation, specializing in Pipeline Integrity Management and Cathodic Protection. Established in 1980, ACI takes pride in providing unsurpassed engineering and installation services, along with the highest quality corrosion control materials and test equipment available to the industry. Our business philosophy is to provide our customers with the highest quality of service and data while meeting their requirements and expectations.



## PIPELINE INTEGRITY MANAGEMENT (PIM)

Allied Corrosion has assembled a group of pipeline assessment specialists to provide cost effective solutions and compliance with regulatory requirement associated with DOT/OPS Title 49 CFR Part 195.452 (Liquid Pipelines), and CFR Part 192 (Natural Gas Transmission Pipelines). We can provide a complete Pipeline Integrity Management program, or any single service in support of your own program, including any of the following services:

- Prepare New and Reviewing Existing PIM Plan
- External Corrosion Direct Assessment (ECDA)
- Dry Gas Internal Corrosion Direct Assessment (DG-ICDA)
- Stress Corrosion Cracking Direct Assessment (SCCDA)
- Identifying High Consequence Areas (HCA)
- Create Pipeline Alignment Sheets
- GPS Pipeline Mapping



## AUTOMATED INTERNAL & EXTERNAL CORROSION MAPPING



## ENGINEERING SERVICES

Total project management is a key factor in describing the capabilities of our engineering group. Allied Corrosion maintains a qualified and experienced staff of registered professional engineers, NACE-certified Corrosion Specialists, Cathodic Protection Specialists, Senior Corrosion Technologists, and Corrosion Technicians. All ACI technical personnel are Operator Qualified (OQ), and are registered with both Veriforce and ISNetwork.

Our field-proven professionals have the extensive technical training and experience necessary to provide the complete range of corrosion engineering services, including the following:

- Cathodic Protection (CP)
- Remote Monitoring & Data Management
- AC Mitigation System Design
- Field Services
  - Close Interval Potential Surveys (CIS)
  - Interrupted Close Interval Potential Surveys (ON/OFF CIS)
  - De-energized Close Interval Potential Surveys (Static or Native CIS)
  - Direct Current Voltage Gradient Surveys (DCVG)
  - Alternating Current Attenuation Surveys (PCM)
  - Alternating Current Voltage Gradient Surveys (PCM w/A-Frame)
  - Surface Potential Surveys (Hot Spot Survey)
  - Depth-of-Cover Surveys (DOC)
  - Pipeline Profiling Survey
  - Sub-meter Accurate Global Position Satellite Survey (GPS)
  - Short Locating
  - Stray Current Interference Testing
  - Soil Resistivity & pH Surveys
  - Project Inspectors
  - External and Internal Automated Corrosion Mapping
- Training
  - Rectifier Troubleshooting and Repair
  - Basic Theory of Corrosion
  - Pipe Locating
  - Exothermic Welding
  - Composite Wrap Repair System
- Operator Qualification (OQ)
  - Testing
  - Performance Evaluation

## INSTALLATION SERVICES

We offer Turnkey system installation services as part of our full-service corrosion control capabilities. Our construction crews consist of OQ-qualified and NACE International certified personnel committed to providing the optimum in quality and on-time service for every project. Typical installation projects we provide include the following:

- Cathodic Protection (CP) System Installation
  - Deep Anode Systems
  - Conventional (Vertical) Anode Systems
  - Horizontal Anode Systems
  - Linear Distributed (Allied Flex) Anode Systems
- Pipeline Excavations
- Composite Wrap Repairs
- Induced AC Mitigation Systems
- Stray Current Interference Systems
- Remote Monitoring Installation
- Short Locating and Clearing
- Isolating Pipeline Flange Installation
- Test Station/Pipeline Marker Maintenance



## CATHODIC PROTECTION

ACI specializes in Cathodic Protection (CP), a proven cost-effective means of preventing external corrosion on buried or submerged metallic structures. Our turnkey capabilities encompass CP system design, installation, energizing, maintenance, testing, and system check-out. Typical CP applications include:

- Cross Country Transmission Pipelines
- Distribution System Piping
- Elevated Water Storage Tanks
- Ground Storage Tanks
- Under Ground Storage Tanks
- Refineries & Chemical Process Plant Piping
- Water Treatment Facilities
- Power Plants
- Locks & Dams
- Docking Structures
- Ship Hulls
- Historical Structures



## MATERIALS AND TEST EQUIPMENT

Allied Corrosion Industries, Inc. maintains a manufacturing and distribution facility at our headquarters in Marietta, GA. Most "off-the-shelf" items are shipped within one day after receipt of an order. We offer a complete quality product line of state-of-the-art corrosion control materials and test instruments at competitive prices. Our sales and engineering staff can provide the value added service of assistance in material selection. The following is a brief synopsis of our complete product line:

- Impressed Current & Galvanic Anodes
- ALCO & Universal Rectifiers
- Cathodic Protection Cable
- Loresco Backfills & Coke Breeze
- Tuff-N-Nuff Rockshield
- Exothermic Weld & Splice Kits
- Carsonite Line Markers
- Test Stations & Junction Boxes
- PSI Flange Insulation Kits
- Central Plastics Insulating Unions
- Thunder Line Casing Link Seals
- PSI Casing Insulators
- Remote Monitoring Equipment



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