

**ASSET INTEGRITY & CORROSION  
ENGINEERING SERVICES**



## Asset Integrity

Using advanced [asset integrity and corrosion](#) methods coupled with proprietary technologies and [data-driven insights](#), Audubon identifies ways to improve reliability and compliance, reduce risks, and extend asset lifespan.

Our integrated solutions allow for a comprehensive approach to addressing increased regulatory requirements, including the [PHSMA's Mega Rule](#). Audubon's rigorous integrity management (IM) and corrosion engineering support ensure maximum value in operational stability and profitability while meeting the [safety](#), compliance, and environmental corners of [pipeline](#) owners and operators.

Whether you are developing a new asset, or optimizing or updating existing operations, our experienced professionals deliver comprehensive integrity and corrosion solutions across all stages of the asset lifecycle.

## Capabilities

### Integrity Management

- IM program development, implementation, & support
- Turnkey IM assessments
- External corrosion direct assessments (ECDA)
- Internal corrosion direct assessments (ICDA)
- Direct assessment (DA)
- Make piggable services
- In-line inspection (ILI) project management
- Failure analysis
- Facility integrity management programs (FIMP)

### Regulatory Compliance

- MegaRule Part 1 -§192 & §195 Transmission
  - High consequence area (HCA) & moderate consequence area (MCA) confirmation
  - Direct & indirect assessment
  - Traceable, verifiable, & complete (TVC) records program
  - MAOP verification program management
  - Material validation (IIT)
  - Sampling plans
  - Engineering critical analysis (ECA)
  - HCA & emergency flow restriction device (EFRD) updating
  - Data integration & informational analysis
- MegaRule Part 2 -§192 Gas Gathering
  - Jurisdictional analysis
  - Program management
  - Cathodic protection (CP) system design, installation,&testing
  - GIS services
- MegaRule Part 3 -§192 & §195 Corrosion Control
  - New construction indirect assessment (coating, current, corrosion)
  - Protection criteria &remediation
  - AC interfere mitigation analysis, furnish, & installation

## Corrosion Engineering

Audubon provides corrosion engineering services to protect below-grade pipelines and on-grade storage tanks against corrosion. Corrosion protection of regulated natural gas pipelines, hazardous liquid pipelines, and breakout storage tanks is required by [49 CFR Parts 192 & 195 Requirements for Corrosion Control](#) for both new construction and existing pipeline facilities.

## Capabilities

### External Corrosion

- Corrosion monitoring system design & implementation
- AC interference analysis, mitigation system design, supply, installation, & commissioning
- CP system design, supply, installation, & commissioning (pipelines, tanks, facilities)
- Coating /lining specification

### Internal Corrosion

- Material selection
- Product quality analysis & lab services
- Cost-benefit analysis
- Corrosion monitoring system design & implementation
- Chemical performance analysis & program optimization
- Internal cleaning & chemical treatment programs
- Internal corrosion rate modeling
- Failure analysis





[auduboncompanies.com](http://auduboncompanies.com)

REVO-22-JUN-2022

