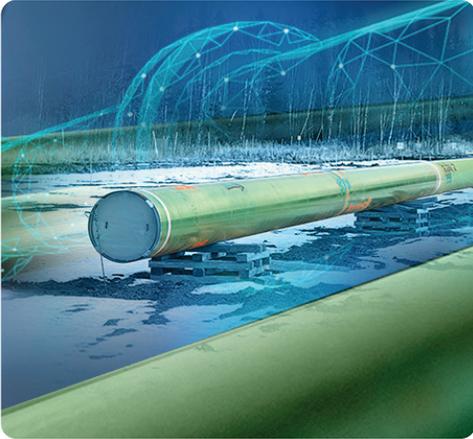




PIPELINE INTEGRITY COMPLIANCE SOLUTIONS



ABOUT STRUCTURAL INTEGRITY

Structural Integrity Associates, Inc. (SI) is a leading engineering and consulting firm dedicated to the identification, analysis, control, and prevention of structural and mechanical failures – in short, asset lifecycle management. The company was founded in 1983 and maintains several offices across the US, with headquarters in Charlotte, NC.

PIPELINE INTEGRITY COMPLIANCE SOLUTIONS (PICS)

Pipeline operators face increasing challenges to ensure that their infrastructure will have the integrity to continue safe and reliable operation amidst a dynamic and complex regulatory environment. SI's PICS unit has in-depth experience providing regulatory compliance, engineering, and assessment consulting services to support gas transmission pipelines, hazardous liquid pipelines, gas distribution pipelines, and other related piping and facilities.

TEAM OF DEDICATED EXPERTS

- Intimate knowledge of pipeline safety regulations and regulatory compliance
- Experts in pipeline integrity, fracture mechanics, metallurgy, and NDE
- Relationships with state and federal pipeline regulators through industry support
- NACE Certified Corrosion Professionals
- Dedicated data analytics and Geographic Information Systems (GIS) experts
- Extensive development of regulatory required plans, integrity management plans, and O&M procedures
- Experience aligning regulatory requirements with client O&M and management needs
- Specialized software tools and data applications

Solutions to ensure the safe and reliable operation of pipeline infrastructure

INTEGRITY MANAGEMENT

Implementing proven program methodologies and documented compliance practices to ensure robust Transmission Integrity Management Programs (TIMP) and Distribution Integrity Management Programs (DIMP).

- TIMP/DIMP plan development, documentation, audits
- Data integration and risk analysis
- Assessment plans and scheduling/tracking tools



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Huntersville, NC 28078

REGULATORY COMPLIANCE CONSULTING

Ensuring compliance with current pipeline safety regulations, benchmarking against industry best practices, and making recommendations for continuous improvement to your company's related programs and procedures.

- 49 CFR, Parts 192 and 195 compliance reviews and audits
- Gas Transmission Pipeline Rule support (RIN-1, RIN-2, RIN-3)
- Engineering Critical Assessments

MAOP RECONFIRMATION

Offering extensive experience developing and implementing MAOP Reconfirmation Plans and implementation support for related pipeline and facilities.

MATERIAL VERIFICATION

Helping operators develop and apply their MV programs with robust procedures and tools, including field experts and laboratory services.

PREDICTED FAILURE PRESSURE (PFP) & ENGINEERING CRITICAL ASSESSMENT (ECA)

Providing training, expertise and specialized applications to analyze defects and anomalies in accordance with regulatory requirements. Additionally, we have specialized expertise and experience applying ECA to support MAOP Reconfirmation and other needs.

IN-LINE INSPECTION (ILI) SUPPORT

Supporting clients in successful implementation of ILI tool runs from start to finish with ILI planning (including tool selection), analysis and prioritization of ILI results, dig selection, in-ditch examination, verification, and run acceptance.

NON-DESTRUCTIVE EVALUATION (NDE)

Maintaining multiple full-time senior Level II and Level III specialists in NDE technologies to assess the condition of pipelines and pipeline facilities.

- Application of advanced NDE technologies
- ILI verification and direct examination
- Training and certification
- Manuals and procedures
- Research and development

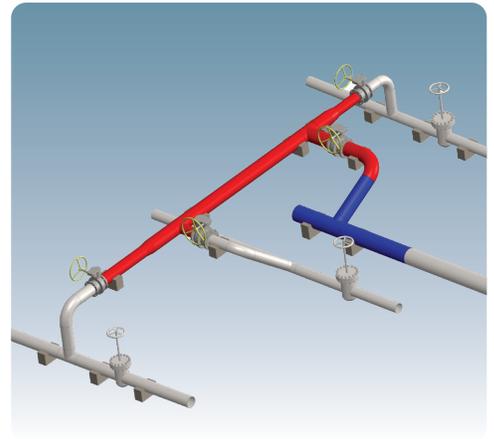
HYDROGEN BLENDING AND INJECTION SUPPORT

Supporting clients in their emerging fuel and decarbonization plans by evaluating the impact of blending Hydrogen with natural gas upon their transport and distribution pipelines. SI also assists clients in developing roadmaps for safely implementing Hydrogen blends.

CORROSION & METALLURGICAL ENGINEERING

Leveraging NACE certified Corrosion Control and Cathodic Protection experts to solve existing corrosion problems and ensure robust corrosion control programs.

- Turnkey Direct Assessment (ECDA, ICDA, and SCCDA)
- AC mitigation
- Internal corrosion monitoring
- Manuals and procedures
- Training



Learn More

