

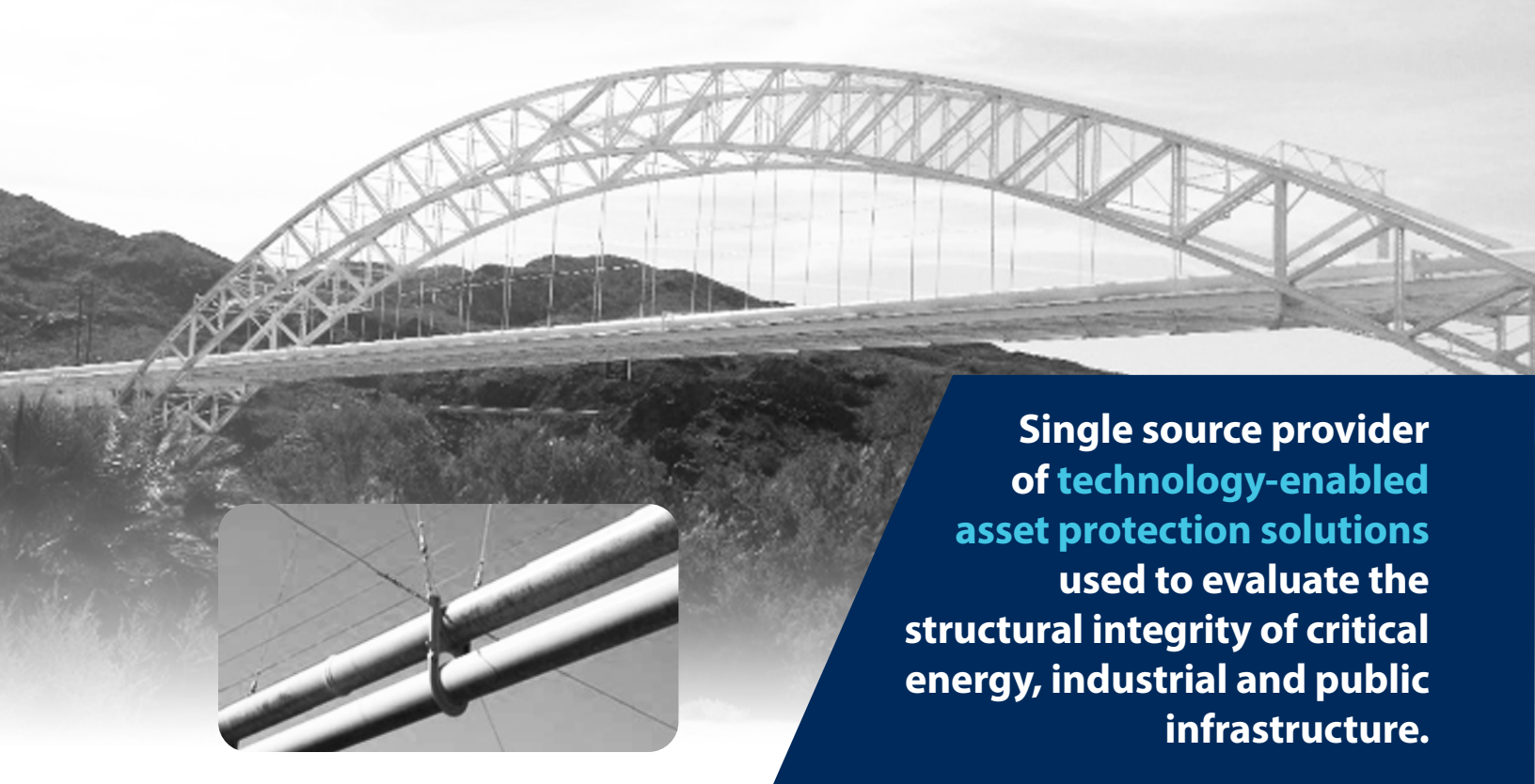
Pipeline & Wire Rope Services

TECHNOLOGY-ENABLED ASSET PROTECTION SOLUTIONS



A HIGHER LEVEL
OF RELIABILITY®





**Single source provider
of technology-enabled
asset protection solutions
used to evaluate the
structural integrity of critical
energy, industrial and public
infrastructure.**

Acuren is the leader in pipeline and wire rope inspection with over 20 years of experience in identifying rope defects using our integrated visual and NDT inspection solutions.

Our latest instrumentation “reads” the rope along its working length at any speed, identifying internal and external defects. Broken wires, corrosion, abrasion, and other damages are detected and reported immediately and a formal digital report is provided.

INSPECTION SERVICES

NDT services focused on pipeline and wire rope inspection include three areas of specialization:

- Pipeline Supporting Structures
- Guyed Flares and Chimneys
- Tramways and Mine Hoists

WHY ACUREN?

- Integrated wire rope inspection program with unparallel technology
- Turnkey vendor with 90+ locations to execute comprehensive work
- Full suite of NDT technologies
- Engineering expertise and management engagement
- Access solutions to fit your needs

PIPELINE SUPPORTING STRUCTURES

Pipeline supporting structures, whether they are large suspension bridges or are small structures on steel or wooden stands, are in constant motion and under constant load. The components of these structures are exposed to the elements, sometimes, hostile. Prudent and frequent examination, maintenance, and repairs are required to protect your investment and to prevent costly downtime. Acuren’s pipeline suspension bridge and crossing inspection and maintenance program include the following:

INSPECTIONS FOR STRUCTURAL INTEGRITY

- Suspension wire rope and/or strand electromagnetic and visual inspection
- Wind cable electromagnetic inspection
- Suspender visual inspection
- Complete suspension and suspender cable tension and load studies
- Support tower inspection
- Ultrasonic thickness gauging – under supports
- Ultrasonic (Guided Wave) integrity inspection – entire span length
- Anchorage integrity inspection
- Suspension rope in saddle inspection – visual and/or radiography
- Anchor bolt and attachment/ termination inspections

NEW CONSTRUCTION PROJECTS

- Complete construction of new aerial pipeline crossings
- Pipeline highway/railroad bridge crossings
- Upgrade projects for existing bridges and crossings

REPLACEMENT AND REPAIR SERVICES

- Suspenders, wind, and suspension cable replacement and/or repairs
- Pipe support and tower saddle repair and/or replacement
- Concrete and steel modifications
- Fittings and termination hardware repair and/or replacement

MAINTENANCE SERVICES

- Suspension wire rope and strand cleaning and preservation (cold galvanizing)
- Wind cable cleaning and preservation (cold galvanizing)
- Suspender cable and profile adjustments
- Pipeline cleaning and preservation
- Pipeline alignment
- Removal, repair, and inspection and replacement of pipe hanger supports
- Sandblasting and painting services
- Foundation and anchor repairs and refurbishment



GUYED FLARE AND CHIMNEY SERVICES

Guy wires are in constant motion and under constantly varying loads. They are exposed to the elements, sometimes extremely hostile. Inspection, lubrication and tensioning are essential to ensure safe operation and extend service life.

Electromagnetic instrumentation is used to measure the loss of metallic area (or LMA) and localized faults without the need to climb the stack or take it out of service. The EM machine is pulled to the guy wire upper attachment and lowered to the bottom attachment using a rope tractor. Test results are recorded on a strip chart recorder and interpreted by the inspector. Defects or loss of metal are noted and summarized in a field test report. Formal reports are provided within approximately two weeks.

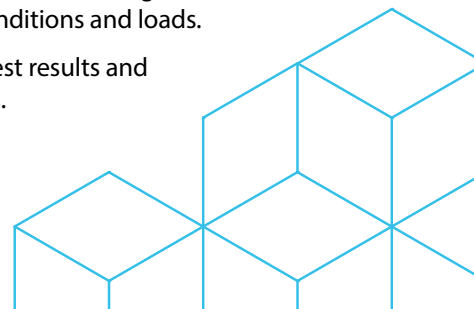
TRAMWAYS AND MINE HOISTS

Public and industrial service tramways and mine hoists require constant inspection to ensure the safety of the public and workers. Degradation identified during inspection can help identify factors that will eventually lead to rope failure. The primary cause of wire rope failure is internal degradation through corrosion and fatigue, a condition that remains undetected by visual inspection. Arbitrary replacement of ropes based on service life may result in premature retirement due to inadequate knowledge and external factors. NDT will accurately diagnose rope conditions, helping to protect and extend the useful life of the wire rope investment.

In addition to the detection of broken wires, corrosion, abrasion, and other defects estimates of loss of strength, within $\pm 3\%$ of initial strength, are provided. This allows comparison of original design factors to present conditions and loads.

Field and final reports are provided to document all results. Comparisons are made with past test results and "rope life" is extrapolated into the future to assist with the accurate scheduling of rope changes.

All inspectors are certified in accordance with ASNT and ASTM guidelines. Work is completed following Quality Assurance Manual procedures.



BEYOND INSPECTION



Acuren provides state-of-the-art nondestructive testing, inspection, engineering and rope access enabled industrial services, delivered throughout 90 locations and utilizing 5,500 employees across North America and the United Kingdom.



CONTACT OUR WIRE ROPE EXPERTS TODAY

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