

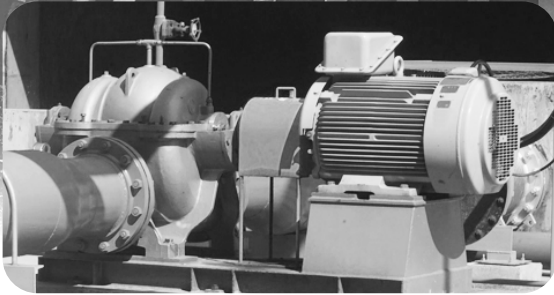
Reliability Engineering

A FULLY INTEGRATED APPROACH



A HIGHER LEVEL
OF RELIABILITY®





Acuren's reliability engineering integrated services provides a turnkey solution that reduces clients' overall cost to operate.

Each customer program is designed by considering specific quality, technical, trade, and engineering requirements. We also customize an appropriate access solution utilizing traditional methods such as scaffolding or rope access. Our approach can yield significant productivity and efficiency gains with lower cost of execution.

Reliability Engineering

Acuren believes that a reliable plant is a safe and efficient plant. Our engineers have the capability and expertise to evaluate and provide solutions to ensure our clients receive the optimum value from their assets in a safe working environment.

- Our proprietary SCORE™ assessment evaluates all aspects of your condition monitoring program and clearly defines how to get the most out of your resources
- Extensive vibration control experience in a variety of industries and with virtually every type of equipment allows us to accurately identify the root cause and recommend the best solution

With maintenance budgets being squeezed, it's nice to be able to leverage the value of having a partner that offers programs which help us prevent unexpected costs by identifying problems early, before they cause unplanned downtime at significant expense.

~ Maintenance Supervisor, Manufacturing Plant

ACUREN SERVICES THOUSANDS OF CLIENTS EVERY YEAR IN OVER 15 INDUSTRIES

DIAGNOSTICS AND TROUBLESHOOTING

Whatever challenge you present us with, we will get to the bottom of it. We can provide complete project support from diagnostics and troubleshooting to recommendations and corrections.

- We utilize highly specialized techniques deployed by experienced, results-oriented teams
- When sporadic or transient problems occur, Acuren's remote monitoring services capture data and identify trends over time
- Advanced diagnostics
- Operating Deflection Shape analysis (ODS)
- Modal analysis (natural frequency testing)
- Structural evaluation and testing
- Laser shaft alignment
- Rotor balancing
- Torsional analysis
- Motion amplification

CORRECTIVE SERVICES

We offer a number of corrective solutions for equipment issues. We also specialize in structural correction. Our corrective services include:

- Alignment and balancing
- Finite Element Analysis (FEA)
- IN-SITU roll balancing
- Structural correction



CONDITION MONITORING

With pressure on profitability, you can't afford not to know how – and what – your equipment is doing. We utilize many techniques to diagnose and monitor equipment condition for routine or ad-hoc programs including:

- Infrared thermography
- Ultrasound
- Motor Current Evaluation (MCE)
- Vibration analysis
- Oil analysis
- Pulsation analysis
- Online equipment monitoring
- Process monitoring
- Continuous equipment monitoring
- Wire rope inspection
- Steam trap inspections
- Visual inspections

RELIABILITY ENGINEERING

- SCORE™ assessment
- Vibration control solutions
 - ◊ Force reduction
 - ◊ Mass addition tuning
 - ◊ Isolation
 - ◊ Damping

SPECIALIZED SERVICES

- Equipment maintenance plans
- PM and PDM evaluation and optimization
- Root cause failure analysis
- Engineering services
- Sensor verification services
- Vibration calibration services
- Equipment and machine baseline assessment services

CONSULTING SERVICES

- RCM studies
- Critical analysis
- Asset walkdown alignment
- Maintenance program consulting and assessments
- ODR program
- Lubrication program management

LIFE ASSESSMENT STUDIES

- Strain gauging
- Stress analysis
- Finite element analysis
- Fitness for purpose
- Air, water, and oil contaminant analysis



BEYOND INSPECTION



VIEW OUR BROCHURES

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 RELIABILITY EXPERTS TODAY

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