

Wireless Monitoring Solutions

AN INTEGRATED INTERNET OF THINGS (IoT) APPROACH



A HIGHER LEVEL OF RELIABILITY®



A Fully Integrated Approach

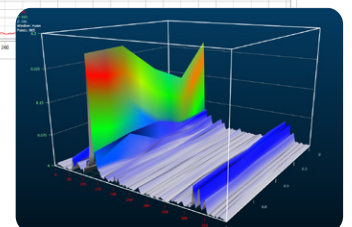
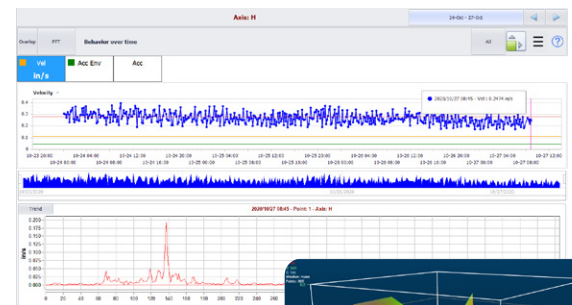
Remote Solutions Matrix



Each customer program is designed by considering specific quality, technical, trade, environmental and engineering requirements.

Sample frequency and thresholds are customized to meet or exceed client requirements. Data storage can be local and/or cloud based, depending on site expectations.

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



CLIENT FEEDBACK ON IoT:

“... see data from IoT sensors as a key component in future Asset Reliability Programs...”

~ Senior Director Reliability Engineering, Pulp & Paper

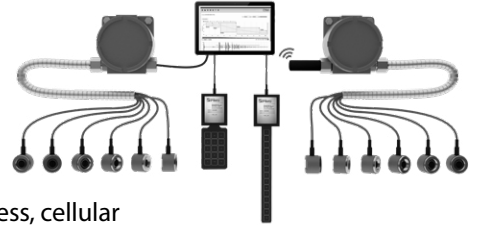
REMOTE SENSING SOLUTIONS

CUSTOMIZE YOUR SOLUTION

REMOTE UT

Modular, remote, non-intrusive monitoring of ID corrosion and erosion using solid state electronics, cloud based software and proven transducer designs.

- Modbus transmitter
- High temp transducer
- Temperature compensation sensor
- Mat PIMS linear sensor array
- Mat PIMS area sensor array
- Can operate 1-16 sensors
- Temp range -30 to 900°F
- Communication: modbus, wireless, cellular
- Measurement range/accuracy: 0.100 - 2.0" / ± 0.001"
- Ideal for buried and hard to access applications
- Integrates with DCS and SCADA systems



ACCELEROMETERS

- Triaxial + temperature
- 10 kHz FMax
- Full waveform and spectrum data
- Programmable internal RMS trigger
- Maximum 6400 lines of resolution

TEMPERATURE

- Thermocouple
- Infrared non contact sensor

AMPERAGE

- 3 phases
- 5 - 1000 Amps

RPM

- Rotation speed
200 000 RPM

GENERAL PURPOSE INPUT SENSOR

- For proximity sensors or any other device
- 2 simultaneous channels
- Orbits capability
- 48,000 Hz sample rate

WIRELESS CBM



HYBRID OPTIONS

- Wireless and wired sensors into central monitoring system
- Universal ICP wireless adapters enable high temperature / restricted access environment sensors to be wired out
- Up to 5 channels of data per adapter with modbus communication for additional standard applications
- Functional with battery or 5 volt power supply, with up to 150 sensors of varying types per gateway receiver



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 WIRELESS EXPERTS TODAY

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