

WIND TOWER MONITORING



RAW DATA. REFINED RESULTS.



MONITORING CRITICAL
INFRASTRUCTURE

SINCE 1989



MONITOR SAFETY AND PERFORMANCE TO KEEP YOUR SYSTEMS IN OPERATION

BLADES

- + Blade Delamination
- + Crack Monitoring
- + Bending Stresses

ENVIRONMENTAL

- + Air Temperature
- + Relative Humidity
- + Wind Speed/Direction
- + Rainfall
- + Ice Detection

NACELLE

- + Electrical Partial Discharge
- + Vibration

TOWER

- + Vibration
- + Stress
- + Rotation
- + Cracking
- + Fatigue Assessment

FOUNDATION

- + Fatigue Cracking
- + Bending Stresses
- + Rotation/Settlement
- + Lateral Displacements
- + Post-Tensioning
- + Evaluation of Strengthening Retrofits



SENSING TECHNOLOGY

- + Accelerometers
- + Strain Sensors
- + Displacement
- + Tiltmeters
- + Acoustic Emission
- + Anemometer
- + Temperature

DATA PROCESSING

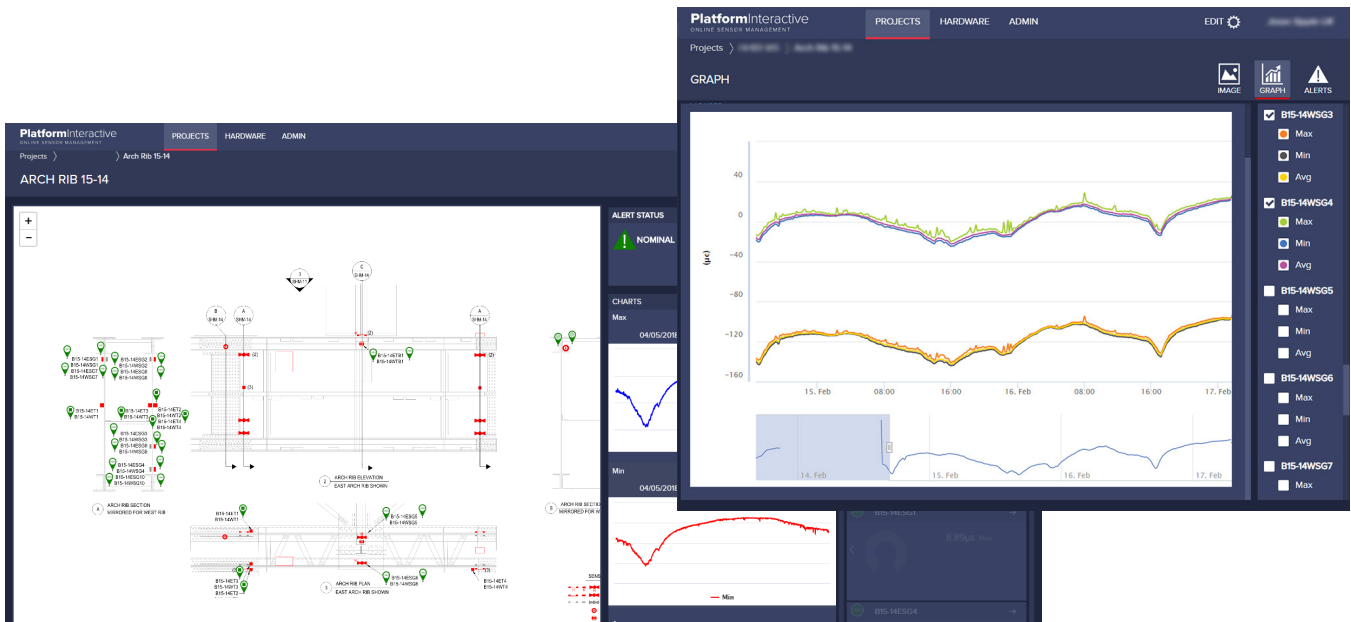
- + Vibration Frequency
- + Damping Ratio
- + Crack Detection
- + Event Data Capture
- + Historic Trend Data
- + Commission Testing
- + Fatigue Assessment

DATA MANAGEMENT

- + Monitor all sites in one secure location
- + Real-time, intuitive data presentation
- + Custom, real-time alerts (text & email)
- + Easily input manual data
- + Customizable reporting tools

Microsoft Azure Compliancy & Certifications:

ISO 27001
SOC 1
SOC 2
FedRAMP
UK G-Cloud
PCI DSS
HIPAA



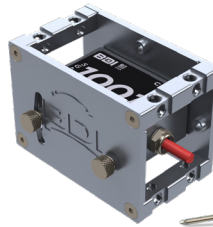
COMPATIBLE SENSORS



STRAIN TRANSDUCER



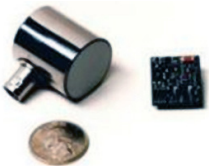
ACCELEROMETER



TILTMETER



DISPLACEMENT



ACOUSTIC EMISSION
SENSOR



FOIL GAGE +
COMPLETION MODULE



LOAD CELL



THERMISTOR



DATA **TRUST**
YOU CAN **RESULTS** YOU CAN
BUILD ON

740 S PIERCE AVE UNIT 15
LOUISVILLE, CO 80027

+1.303.494.3230

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