



Protection & Condition Monitoring Systems    Diagnostic Software    Oil Health Monitoring  
**CONDITION & VIBRATION MONITORING**  
 Portable    Sensors & Transmitters    Wireless Vibration Monitoring    Service & Training

Managing your mechanical reliability needs through multiple suppliers is a daunting task. Complex communication, persistent supply chain challenges, and cost-saving restrictions is exhausting. Seeking a supplier who offers top-tier protection systems, guarantees comprehensive machinery health, & fully optimizes your team to meet all requirements?

**THE TECHSTAR DIFFERENCE...**

When it comes to Condition & Vibration Monitoring, there is an alternative! TechStar embodies everything you want in a partner: high-quality products with world-class reputations, a robust portfolio to cover every industry and application, and deeply experienced people that are dedicated to condition & vibration monitoring.

**PARTNERS IN MECHANICAL RELIABILITY:**



**MACHINERY PROTECTION SYSTEMS**

- API 670-compliant, rack-based solutions suitable for 4-4000 channels
- Compact solutions suitable for 1- 4 channels
- Condition Monitoring Software Included
- OSI PI Plant Historian



**WIRELESS CONDITION MONITORING SYSTEMS**

- Vibration, temperature, and pressure offerings for a holistic view of your machinery –specifically designed for operation in industrial environments and constraints



**ONLINE CONDITION MONITORING SYSTEMS**

- Integration with portable data collection
- Integration with machinery protection



**ROUTE-BASED PORTABLE DATA COLLECTORS**

- World-class offerings suitable for both nonclassified and Div 2 / Zone 2 hazardous areas



**MULTI-CHANNEL DATA ACQUISITION SYSTEMS**

- Available for purchase or rental



**SINGLE-CHANNEL VIBRATION METERS/ANALYZERS**

- Measure multiple vibration levels and bearing wear at the push of a button



**PANELS | CABINETS | ENCLOSURES**

- Custom Engineered Solution: Cabinet, Panel, or Enclosure that meet your specifications or specific requirements



**TRANSDUCERS**

- Proximity, acceleration, velocity, pressure, speed, temperature, position – both seismic & displacement



**OIL HEALTH MONITORING**

- Identify potential problems in fluids and lubricants by monitoring and detecting the number and size of different particles in the oil sample





## SERVICE

We cover every aspect of your condition & vibration monitoring needs – ensuring you can turn to us for complete machinery health solutions:

- Machinery Diagnostic Services
- Outsourcing of Route-Based Portable
- Machinery Balancing Single, Dual, and Multiplane
- Machinery Alignment Hot and Cold
- Tribology Oil Sampling, Analysis, and Reporting
- Field Transducer Installation, Design and Fabrication
- Product Installation and Verification:
  - Wiring, Tagging, Loop Checks, Removal and Disposal of Replaced Products
  - Service and Documentation to Mount, Wire, and Validate New Systems
- System Integration Services:
  - HMIs, PLCs, SCADA, DCS, Historians, and Automation Platforms, etc.
- Project Management Services



## TRAINING

It is TechStar University's goal, alongside the Mobius Institute, to optimize both your people and process. Protect your investment with training & certification:

- Vibration Analyst Certification to ISO 18436-2
  - VCAT I, VCAT II, VCAT III, & VCAT IV
- Vendor Specific Product Training
- Vendor Agnostic Training
  - Fundamentals of Condition & Vibration Monitoring
  - Balancing Rotating Equipment
  - Alignment
- Additional Courses From The Mobius Institute
  - Asset Reliability Practitioner
  - ARP-A, ARP-E, ARP-L
  - UCAT-I Ultrasound Analysis
  - IRTCAT-I Infrared Thermography

## TRAINING PROVIDED BY:



# LET'S GET YOU STARTED

When you choose a Total Solution Provider for Mechanical Reliability, trust that you are partnering with a team with extensive industry experience, abundant resources, & exceptional support.



## THE TECHSTAR DIFFERENCE

Jeremy Morton, Director of Services & Mechanical Solutions

Few individuals can match Jeremy Morton's expertise in Condition & Vibration Monitoring. With over two decades of experience, Jeremy has been a trusted provider of asset performance management, condition monitoring, and protection solutions to a diverse array of end-users within the process industries.

