

# TORSIONAL VIBRATION MONITORING SYSTEM

The Torsional Vibration Monitoring System (TVMS) is an easily adaptable monitoring solution to protect rotating machinery. It provides continuous oversight with alarm functions, event histories, and data logging. The TVMS receives signals from a newly developed contactless sensor that does not require the installation of encoders, slip rings, and telemetry.

## Benefits

- Continuous Torsional Vibration Oversight
- Warning and Alarm Functions (Email, Text)
- Vibration Event History
- Resonance Avoidance
- Early Crack Detection
- Blade Vibration Monitoring
- Optimized Maintenance

## Features

- Customizable Graphical User Interface
  - Vibration: RMS, 0-Peak, Peak-Peak
  - Time History, Frequency Spectra
  - Frequency Intensity Plots
  - Rotor Speed
- Fast and Easy Deployment
- Contactless Sensors  
(No Encoders, Slip Rings, or Telemetry)
- No Modification to Shaft/Rotor
- Torsional Natural Frequency Tracking
- Frequency Band Monitoring

## Applications

- Gas/Steam Turbine Generators
- Wind Turbines
- Compressors
- Gear Boxes
- Marine Drive Shafts
- ID/FD Fans
- Hydro turbines
- Pumps
- Expanders

## More Information

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[www.HorvathResearch.com/TVMS](http://www.HorvathResearch.com/TVMS)

