

BRINGING PREDICTABILITY TO PERFORMANCE

Westpower enables end-users to reduce the total cost of ownership of their pumps and other rotating equipment by being a single source of specialized field engineering and mechanical services. We provide multidisciplinary solutions, to execute anything from your simplest to your most complex operational projects in the most cost-effective manner.

FIELD MECHANICAL SERVICES

- Installations
- Commissioning
- Repairs
- Preventive Maintenance
- Field Retrofits & Equipment Re-rates

RELIABILITY ENGINEERING SERVICES

- Vibration Analysis & Troubleshooting
- Root Cause Analysis
- Condition Monitoring Services (Remote + Onsite)
- Mechanical Seals Assessment & Technical Support
- Field Equipment Performance Testing
- Lubrication Assessment & Technical Support
- Engineering Design Review
- Engineering Consultancy
- Technical Training

OUR CAPABILITIES

- Vibration Analysis
- Oil Sampling & Analysis
- Motion Amplification Analysis
- Resonance Testing & Modal Analysis
- Pump System Performance & Operation Analysis
- Multichannel Data Collection & Analysis
- System Dynamic Analysis
- Rotor Dynamic Analysis
- Acoustical Analysis
- Pulsation & Surge Analysis
- Experimental Modal Analysis
- Operating Deflection Shape Analysis
- Pipeline Vibration Compliance Analysis

OUR TOOLBOX

- Machine Sentry IIoT Platform
- AVT Machine Sentry Suite of Monitoring Systems
- Industry 4.0 Online Condition Monitoring Systems
- High Speed Data Acquisition Systems (32+ Channels)
- Impact Test Hammers
- Route-Based Vibration Analyzers (CSI + Pruftechnik)
- FLIR Thermal Imaging Cameras
- Portable Ultrasonic Flow Meters
- Motion Amplification Systems



Upstream, Midstream & Downstream Oil & Gas | Petrochemical | Chemical | Power | Water & Waste Water | Mining | Food Processing | Pulp & Paper