

NECI offers complete solutions for process optimization through reliability. Our methodology goes beyond predictive and preventative maintenance to create a structure for ongoing, continuous improvement that leads to process reliability.



## VIBRATION ANALYSIS

### PORTABLE VIBRATION ANALYSIS

AMS 2140 Portable Data Analyzer  
Laser Alignment and Balancing Equipment

### VIBRATION ANALYSIS HARDWARE

Accelerometers  
Displacement Probes  
Junction Boxes  
Data Collector Accessories  
Cables & Connectors

### ONLINE VIBRATION MONITORING

AMS 6500 ATG Protection and Prediction Systems  
AMS 9420 Wireless Vibration Transmitter

### ASSET MANAGEMENT SOFTWARE

AMS Device Manager  
AMS Machinery Health Manager  
PlantWeb Optics Asset Management Platform  
PlantWeb Health Advisor  
PlantWeb Performance Advisor  
PlantWeb Energy Advisor



## VFD MOTOR BEARING PROTECTION

### INDUCTIVE ABSORBERS FOR VFDs

CoolBLUE® and NaLA® Cores for Electrical Fluting Protection



## LUBRICATION ANALYSIS & CONTAMINATION CONTROL

### CONTAMINATION CONTROL

Desiccant Breathers  
Lube Storage/Handling Systems  
Filter Systems  
Vacuum Dehydration  
Lubrication Modification Plans



## ELECTRICAL ASSET MONITORING

### ELECTRICAL POWER CRITICAL ASSETS

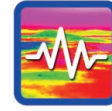
IntelliSAW Continuous Monitoring for Poor Connections, Insulation Degradation, and Air Dielectric Breakdown  
56WM Wireless Power Meter for Continuous Monitoring of Power Quality, Efficiency, & Consumption



## AUTOMATIC LUBRICATORS

### CONTINUOUS LUBRICATION SYSTEMS

Single-Point and Multi-Point Lubricators  
Full Line of Fittings and Accessories  
Unique Small Sizes to Prevent Over-Lubrication



## ULTRASOUND TECHNOLOGY & THERMAL IMAGING

### THERMAL IMAGING

Infrared Cameras  
IR Inspection Windows

### ULTRASOUND

Ultrasonic Probes  
Ultrasonic Grease Caddies  
Remote Access Sensors

### NECI PARTNERS



**NECI**  
9 Oxford Road  
Mansfield, MA 02048  
P: (508) 339-5522  
F: (508) 339-9144

**NECI**  
327 Target Industrial Circle  
Bangor, ME 04401  
P: (207) 942-1400  
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## Comprehensive Services for Continuous Improvement

### PREDICTIVE SERVICES

Vibration Analysis  
Oil Sampling/Analysis  
Ultrasonic Inspections  
Infrared Thermography  
Onsite Services and Remote Analysis of User-Collected Data  
Instrument and Control Valve Diagnostics Programs

### CORRECTIVE SERVICES

Shaft Laser Alignment  
Dynamic Balancing  
Mechanical Repair  
Belt/Sheave Laser Alignment  
Bearing Replacement  
Shaft Grounding Ring Installation  
Cool BLUE® Motor Bearing Protection

### EDUCATION AND TRAINING

Reliability Seminars  
Vibration Certification  
Software Training  
Lubrication Seminars  
Onsite PdM Mentoring

### PROFESSIONAL SERVICES

Precision Lubrication Benchmarking and Lubrication Room Design  
ODS and Modal Analysis  
Motion Amplification Analysis for Troubleshooting Structural Issues

### RELIABILITY CONSULTING SERVICES

Asset Master Data  
PM Optimization  
CMMS Optimization  
FMEA Library  
IIoT Solutions for Prescriptive Maintenance Using Machine Learning and AI

### INSTALLATION AND STARTUP SERVICES

Wireless Vibration System Startup and Commissioning  
Continuous Turbine Protection System Startup and Commissioning  
Installation of Permanent Accelerometers  
IntelliSAW System Startup and Commissioning in Medium Voltage Electrical Cabinets and Bus Ducts

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