



Plant Reliability & On-Site Technical Maintenance Solutions



Our dedicated team of highly trained field service technicians are there when you need them for proactive maintenance, condition monitoring, technology, and emergency maintenance.

- ▶ Commissioning & start-up
- ▶ Predictive & preventative maintenance
- ▶ On-site electrical testing
- ▶ Precision laser alignment
- ▶ Dynamic balancing
- ▶ Equipment installation, troubleshooting, removal, & upgrades
- ▶ Root cause failure analysis
- ▶ Shut-down & emergency maintenance
- ▶ On-site bearing replacement & rewinding
- ▶ On-site cryogenic cleaning
- ▶ Magnetic particle inspection
- ▶ Metal surface, hardness, & measurement verification
- ▶ Ultrasonic testing
- ▶ Thermography
- ▶ Overhead crane & hoist inspection & repair services
- ▶ Vibration analysis



***DECATUR
INDUSTRIAL
ELECTRIC***

Decatur Industrial Electric

1650 East Garfield Ave.
Decatur, IL 62526
Phone: 217-428-6621

Installation and Commissioning New and Rebuilt Equipment

Ensure the reliability of your new equipment with our commissioning process or a plan custom suited for your company and equipment needs.

- ▶ PdMA & Motor Circuit Evaluation (MCE)
- ▶ Baker / SFK AWA winding testing
 - Surge test / PI test / Resistance / Inductance
- ▶ Precision laser alignment
 - Cold / Hot alignments / Soft foot check
- ▶ OEM warranty conformance
- ▶ Coupling verification
- ▶ Vibration analysis - baseline verification
- ▶ Winding/bearing RTD check
- ▶ Custom reporting

Predictive Maintenance

Vibration Analysis

At the heart of all rotating equipment reliability is vibration. Vibration can head off a catastrophic event. Our expert technicians can work to isolate issues such as:

- ▶ Alignment & coupling issues
- ▶ Resonance
- ▶ Mechanical wear
- ▶ Air gap issues
- ▶ Gear wear
- ▶ Imbalances
- ▶ Bearing faults & failures
- ▶ Rotor issues

On-Site Electrical Testing

Our advanced diagnostic tools can help identify current and potential equipment problems. Using PdMA, MCE, SKF Baker, Infrared, UT, and other testing equipment, we provide the latest technology to access the motor electrical circuit. Additionally, our technicians provide customized reports showing complete diagnostics of the motor.

Through condition monitoring, Decatur Industrial can work with you to identify potential issues before they cause expensive emergency maintenance and downtime.

Asset Management Program

Often overlooked within reliability centered maintenance is how equipment is stored and maintained. Our in-house asset management program allows a proactive partnership versus reactive.

- ▶ Climate controlled inventory storage
- ▶ Life-cycle history of product
- ▶ Inventory management & logistics
- ▶ Warranty tracking
- ▶ Training
- ▶ Lubrication analysis
- ▶ Root cause & failure analysis
- ▶ Energy analysis & savings program
- ▶ Capability of interfacing with your ERP/CMMS systems
- ▶ Full life-cycle support of assets
- ▶ Web portal: real time asset tracking



Vibration Analysis



On-Site Electrical Testing



Asset Management Program

Preventative Maintenance & Onsite Repair Services

Preventative maintenance helps prevent costly emergency repairs. However, we know the unexpected still happens and time is critical when you are experiencing equipment failure. Decatur Industrial can respond 24/7.

Large AC and DC Motor PM and Repair

Program may include:

- ▶ Visual, noise, and vibration inspections
- ▶ Dry ice cleaning
- ▶ Brush and commutator maintenance
- ▶ Lubrication inspection or replacement
- ▶ Bearing inspection and replacement
- ▶ Electrical testing and trending
- ▶ Large motor testing and trending

Gearbox Maintenance and Inspection

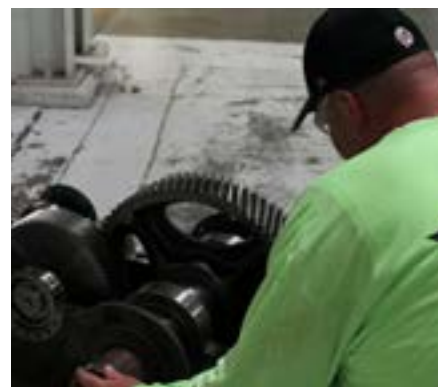
- ▶ Review manufacturer's print and spare parts
- ▶ Visual inspection
- ▶ Oil analysis / oil change
- ▶ Greasing of seals and other greasable bearings
- ▶ Vibration readings
- ▶ Alignment/soft-foot checks
- ▶ Coupling maintenance
- ▶ Thermal imaging

Precision Laser Alignment

- ▶ Longer bearing life
- ▶ Longer coupling life
- ▶ Reduced heat
- ▶ Millwright services
- ▶ Turnkey installation
- ▶ Machining & customization



Large AC & DC
Preventative Maintenance



Gearbox Maintenance
& Inspection



Precision Laser Alignment

Key Vendor Partners & Accreditations

SIEMENS

TECO Westinghouse

AUTHORIZED DISTRIBUTOR

MOTORTRONICS
Solid State AC Motor Control

Danfoss

SEW
EURODRIVE



Overhead Crane and Hoist Services

The Decatur Industrial approach to crane and hoist maintenance is like our approach with everything else we do - maximize uptime and minimize downtime.

Overhead Crane Inspections

We are a reliability company so we focus on OSHA compliance. Per OSHA 29 CFR 1910.179 requirements by factory trained technicians.

Preventive & Predictive Maintenance

PM and PdM greatly reduces maintenance costs and production downtime when performed on a regular scheduled basis. This includes lubrication, electrical testing, adjusting of brakes and limit switches. Additionally, we provide evaluations and recommend a spare parts list so replacement can happen during an emergency or when production allows.

Non-Destructive Testing

We have the latest equipment and qualified technicians to perform magnetic particle inspections.

Detailed Reporting

A customizable evaluation report is furnished for each unit inspected with a summary sheet highlighting the criticalness of problems with safety or operations. We develop and maintain a history on each unit outlining inspections, PM, and repair.

Training

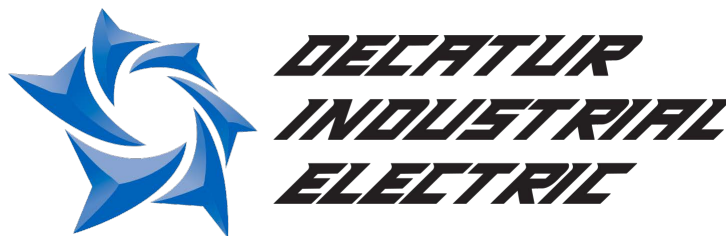
We will train your personnel on proper daily operator inspections, rigging techniques, operation, and safety of overhead crane and hoist operations.

Crane System Upgrades

Upgrades are available for safety, ergonomics, and production improvements, such as: independent festoon, remote controls and variable frequency drives. We are an authorized distributor, with trained technicians for R&M, Electromotive, and Magnetek.

Hoist Repair Services

In-house and on-site 24-hour emergency service. We offer complete repair service, which includes rewinding, control repair, and machine work.



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