EXPERITEC
Emerson Impact Partner

EMERSON

Maintenance & Reliability:
Motor Electrical Analysis (PdMA)

What is Electrical Motor Analysis, and Why Do I Need It?

You have a critical motor that keeps tripping or faulting-out, and your vibration analysis and oil program are yielding inconclusive results. Or you are nearing the end of an arduous facility-wide outage and need to verify proper function and maintenance on motors before returning the equipment to Operations.

Electrical equipment poses the same potential to cause unplanned downtime and unsafe conditions as any other mechanical failure. PdMA allows manufacturers to apply a reliability centered maintenance approach to motor components and motorized machine trains as a complement to your existing PdM program.

APS

Asset Services
Instrumentation
Valves
Rotating Equipment
Reliability
Data Solutions
Training

INSPECT - QUALIFY - PRIORITIZE - ACT

Experitec's Certified Maintenance & Reliability Experts offer a full suite of motor and electrical diagnostics to improve uptime, availability, and performance:

- Evaluations of power and insulation quality, circuit integrity, operating electrical conditions, and grounding issues
- Stator, rotor, and air gap testing
- Route-based condition monitoring programs and data analysis
- Continuous, online monitoring systems where applicable/necessary
- Customized PdMA reports



5% Production Capacity Is Lost to Unplanned Downtime

It Costs 50% More to Repair Failed Assets

Half of All Safety Events Occur During Non-Steady States

Poor-performing Plants Spend 3x More on Maintenance

7 Types of Assets Account For >75% of Maintenance Issues

Get Ahead of Unplanned Downtime

Contact Us to Learn How Our Asset Performance Solutions Can Support Your Facility

experitec.com/services

Asset Performance Solutions

Asset Services

- Shutdown & Outage Management
- Startup & Commissioning
- Loop Checkouts
- Calibration Programs
- Instrument Troubleshooting
- Valve Repairs
- Thermal Imaging
- Steam & Gas Systems Studies
- Motion Amplification

Instrumentation Services

- Pressure
- Temperature
- Flow
- Level
- Liquid Analysis
- Density & Viscosity
- Flame & Gas Detection
- Wireless Networks & Sensors
- Device Alerts & Diagnostics

Valves Services

- Full-Service Valve Repair Facilities
- Certified Pressure & Safety Relief Valve Shop
- Actuation & Isolation Solutions
- Mobile Repair Shops
- Factory-Certified Rebuilds
- Control Valve Monitoring
- Leak Detection Services
- Valve Greasing / Lubrication

Rotating Equipment

- Certified Maintenance & Reliability Professionals
- Wireless & Online Vibration Monitoring
- Route Based Data Collection Programs
- Oil & Lubrication Analysis
- Alignment & Balancing Services
- Hardware & Software Services
- Motor Analysis (PdMA)

Vantage Point Data Solutions

- Asset Management Systems
- CMMS Integration
- Plant Historians
- Data Lakes
- Dashboard & Visualization Solutions

Human Reliability

- Factory Training
- Onsite Classes
- Customized Training Skids
- Process Simulation & Operator Training Systems
- Staff Augmentation
- Mentoring & Coaching

Ask Us How You Can
Rent or Own an Experitec
Performance Learning Platform Today!



APS

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Experitec has served the industry for over 100 years, partnering with our customers to gain competitive advantages and unlock the hidden potential in their facilities. By optimizing operator and control performance, improving asset reliability, creating safer places to work, and helping clients reach their environmental and sustainability goals, Experitec is dedicated to achieving positive outcomes for the businesses we serve. Our unique long-term partnerships with Emerson and others enable us to connect customers with innovative technologies, subject matter expertise, and 24/7 lifecycle support and engineering services. As employee owners, the Experitec team is eager to partner with you on your next automation or reliability project in a positive, driven, and collaborative way. We have local offices in St. Louis, MO; Kansas City, MO; Memphis, TN; Calvert City, KY; and Decatur, IL; as well as warehouse and service locations in the surrounding areas.

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