

Benefits

Proactive Maintenance of Critical Electrical Assets

Electrical power is the pulse of your business. It's vital to your operations, but it can also be dangerous and costly. While large power transformers are among the most reliable equipment used in electrical power systems, failures do occur. And with these failures, profits and people can suffer. Replacing a transformer can take several weeks resulting in serious financial and productivity losses. In many cases, a transformer can be repaired but only if the problem is caught before it escalates.

Identifying and resolving problems starts with performing electrical testing, maintenance, and engineering services provided by High Voltage Maintenance Corp. (HVM). Proactive maintenance gives you the information you need about the performance of your transformer and related electrical assets. You'll be able to make smarter, more profitable decisions while protecting your people and operations.

Benefits

- Eliminate unplanned downtime through routine inspection and maintenance
- Avoid substantial financial loss associated with service disruptions
- Minimize emergency repairs
- Ensure ongoing reliability of electrical distribution systems

Substation Services

- Transformer Installation, Acceptance Testing, and Startup
- On-site Inspection and Testing
- Insulation Testing
- Fluid/Oil Analysis and Condition Trending
- Insulating Fluid/Oil Reconditioning
- Failure/Fault Analysis
- Tap Changer Repair/Replacement
- Leak Repairs
- Gasket/Bushing Repair
- Substation Grounding
- Cooling Upgrades

Acceptance Testing and Startup

- Protection Controls Functional Testing
- Insulation Power Factor Testing
- Transformer Turns Ratio (TTR)
- Insulation Resistance Testing
- Dielectric Barrier/ Insulation Integrity
- Winding Resistance Testing
- Sweep Frequency Response Analysis (SFRA)
- Leakage Reactance/Short-Circuit Impedance Testing

Preventive Maintenance

- Visual and Mechanical Inspection
- Component Maintenance
- Infrared Testing
- Power Factor and Dissipation Factor Testing
- Protective Relay Testing
- LTC Inspections and Service
- Fluid/Oil Processing Services, including Oil Analysis
 - Nitrogen Gas Tests (TCG and %O₂)
 - Oil Analysis (use of independent lab)
 - Dielectric Strength Testing
 - Water in Oil Analysis (Karl Fischer)
 - Dissolved Gas Analysis (DGA)
- Test Report with Recommendations

Online Predictive Maintenance

- Visual Inspection
- Thermographic/ Infrared Testing
- Partial Discharge Testing
- Ultrasonic Detection
- Power Quality Analysis

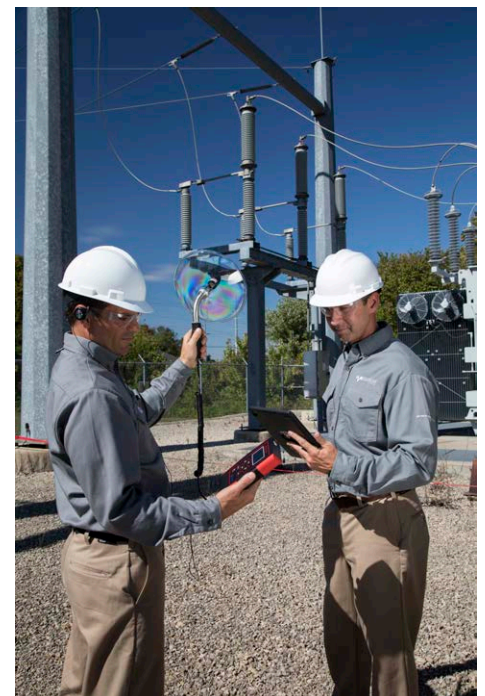
Diagnostic Testing

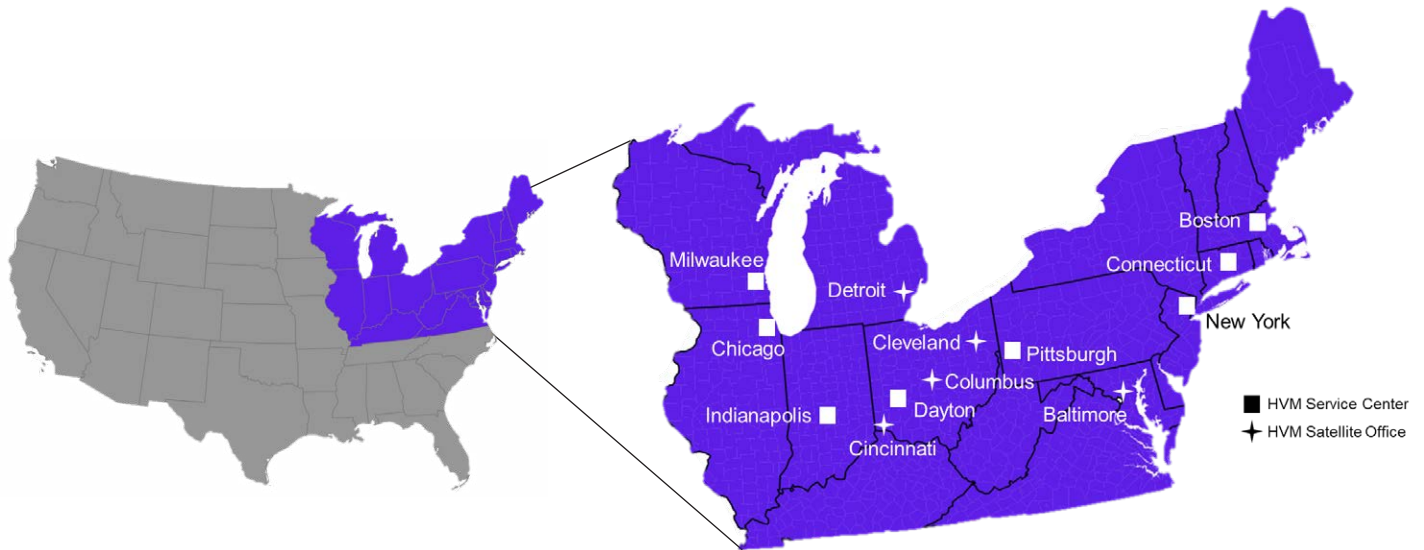
- SWEEP Frequency Response Analysis (FRAX)
- Leakage Reactance Testing

Vacuum Processing and Oil Degassing

Emergency Services

- Transformer Leak Repair
- Complete Transformer Gasket Replacement
- Spill Cleanup/Recovery
- Fault Analysis





Directory of Locations

Rely on High Voltage Maintenance's team to deliver the most complete solutions for transformer maintenance and reliability. From testing for problems that could disable your system, to complete turnaround execution, we strive to be your single source solution for all your transformer service needs. With a network of 13 locations, High Voltage Maintenance's transformer team puts experienced professionals where you need them, when you need them.

Connecticut

Connecticut Area Service Center
29 Diana Court
Cheshire, CT 06410
PH: (203) 949-2650

Illinois

Chicago Area Service Center
941 Busse Road
Elk Grove, IL 60007
PH: (847) 640-0005
FAX: (847) 640-0004

Indiana

Indianapolis Area Service Center
1052 S.Greenwood Springs Blvd.
Suite E
Greenwood, IN 46143
PH: (317) 322-2055
FAX: (317) 322-2056

Maryland

Baltimore Area Satellite Office
PH: (410) 309-5970
FAX: (410) 309-0220

Massachusetts

Boston Area Service Center
24 Walpole Park South, Suite 3
Walpole, MA 02081
PH: (508) 668-9205
FAX: (508) 668-2142

Michigan

Detroit Area Satellite Office
PH: (248) 305-5596

New York

New York Area Service Center
1 Penn Plaza, Suite 1500
New York, NY 10119
PH: (718) 239-0359

Ohio

Cincinnati/Kentucky Satellite Office
PH: (859) 371-5355
FAX: (859) 371-5399

Columbus Area Satellite Office
PH: (614) 807-3408

Cleveland Area Satellite Office
PH: (440) 951-2706

Dayton Area Service Center
5100 Energy Drive
Dayton, OH 45414
PH: (937) 278-0811
FAX: (937) 278-7791

Pennsylvania

Pittsburgh Area Service Center
355 Vista Park Drive
Pittsburgh, PA 15205
PH: (412) 747-0550
FAX: (412) 747-0554

Wisconsin

Milwaukee Area Service Center
3000 S. Calhoun Road
New Berlin, WI 53151
PH: (262) 784-3660
FAX: (262) 784-5124

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