

## Industrial Specialties Division

OH License #12586

The Industrial Specialties Division of Hilscher-Clarke Electric provides complete independent electrical testing services to industrial, commercial and institutional facilities. Our engineers and technicians along with our highly trained and experienced electricians offer the unique combination of testing, analysis, repair and installation capabilities not commonly found with conventional testing organizations.

As members of IBEW and NECA, as well as managed by a NETA affiliate, we offer our customers truly a "one-source" solution to their electrical testing, maintenance, repair, engineering and construction projects.

With offices in Canton, Ohio and Coshocton, Ohio, Hilscher-Clarke has been providing electrical engineering, testing and contracting services to our customers for over 90 Years. The Company's basic philosophy for providing the highest quality workmanship and services in the safest manner possible at a competitive price has established Hilscher-Clarke as a leader and well-respected firm in the industry.

Whether the need is emergency testing, analysis and repair, a custom preventative maintenance program, insurance mandated certification testing or project engineering, acceptance and commissioning, Hilscher-Clarke Electric, Industrial Specialties Division, can supply the full-spectrum of electrical services required.

### Services Provided

- Doble Power Factor Testing\*
- Protective Device Calibration\*
- Time Travel Analysis\*
- High Potential Testing (AC and DC)
- Transformer Sweep Frequency Response Analysis\*
- New Equipment Acceptance Testing
- Ground Resistivity
- Power Quality Analysis
- Ups and Battery Installation
- Battery Maintenance and Testing
- Preventative Maintenance Programs
- Engineering Studies and Surveys
- Insurance mandated certification / performance testing

### Equipment Serviced

- Transformers (Liquid and Dry)\*
- Protective Devices and Metering\*
- Circuit Breakers (Oil, Air, and Vacuum)
- Network Protectors
- Outdoor / Indoor Substation Equipment
- Switchgear
- Motor Control
- Cable (Medium and High Voltage)
- Variable Frequency Drives
- Microprocessor Based Relay Protection\*

### Repair Services

- Transformers
- Circuit Breakers (Oil, Air, and Vacuum)
- Cable Fault Locating and Repair
- Cable Repairs and Terminations
- Custom Buss Fabrications
- Switchgear Rebuilds
- Switchgear Replacement
- Leak Repairs
- Protective Device Repairs

### Modernization and Equipment Retrofit

- Solid State Breaker Retrofit
- Mechanical to Solid State Relay Upgrade
- Analog to Digital Metering Conversion
- Control Relay to PLC Automation
- Computer Interface System Monitoring and Control
- Switchgear Upgrade and Modernization

### Insulating Fluid Evaluation and Services

- Dielectric Fluid Laboratory Screen Tests
- Gas Content Chromatography
- Power Factor Analysis
- PCB Analysis
- Dielectric Fluid Vacuum Refill (Mineral Oil)\*
- Dielectric Fluid Reconditioning and Replacement\*
- Dielectric Fluid Disposal
- Dielectric Fluid Leak Repairs\*

\*In cooperation with IET as applicable.

