Custom Equipment

Custom Equipment For
- Utility Applications
- Commercial/Industrial
- Petro/Chemical
- Mining
- Tunneling and Dredging
- Construction
- Oil and Gas Exploration
- University Expansion

LINE Power™
Trailer-Mounted Custom Substations

- Dual-Rated 12.47 and 24.9 kV Portable Substation
- Dual Output 5 kV Trailer-Mounted Portable Recloser
- 300 KW Portable Generator
- Portable Pad-Mounted Switchgear
- Utility Emergency Power Portable Substation
Trailer-Mounted Custom Substations

6-Bay Custom Engineered Switchgear for University Expansion Projects

Totally-Enclosed Portable Substation with Heavy Insulation for Extreme Cold Environment

2500 kVA Indoor Substation Designed to be Mounted in a Box Trailer

10 MVA Caterpillar-Track Mounted Substation
Skid-Mounted Custom Substations

Surface Mine Portable Substation

High Voltage Switchgear

Phosphate Mining Substation

Conveyor Belt Starter

Custom Substation
Skid-Mounted Custom Substations

Skid-Mounted Portable Substation with Aluminum Enclosure for Caustic Environment

500 kVA Construction Site Substation with Neutral Grounding Resistor and No Exposed Voltages

6-Bay Custom Engineered Switchgear

Stand-Alone Portable Substation
Skid-Mounted Custom Substations

1000 kVA Portable Substation with Walk-In Aisle and Built-In HVAC Heat Pump

500 kVA Portable Substation with Winch-Operated Fold-Down Tower

Custom Engineered Substation with Bullet-Resistant Exterior Skin for Rural Location.

Custom Engineered Three-Phase Vacuum Circuit Breaker with Straight Line Operator and Stored Energy Spring Mechanism

Custom Engineered Substation for Coal Processing Plant
Electro-Mechanical Corporate Overview

Line Power is a division of Electro-Mechanical Corporation, a privately held, American owned company founded in 1958. It is headquartered in Bristol, Virginia (USA) and for more than 45 years has manufactured a wide variety of products used in the generation, transmission, distribution and control of electricity. These products, along with various electrical equipment repair and maintenance services, are used by a diverse mix of Energy (coal, oil and gas), Electric Utility and Industrial customers worldwide.

Electro-Mechanical Corporation’s Electrical Group has earned a “customer oriented” reputation by keeping its focus on providing the best value to our customers through quality products and services. With six manufacturing companies and two repair and service companies, the Electrical Group has over 650,000 square feet of modern manufacturing facilities, located in Virginia and Tennessee.

In addition to our corporate headquarters, we have a 20,000 square foot, full time stand alone Conference Centre for customer and employee training located in Bristol.

The Electrical Group companies have the following industry recognition:

**Federal Pacific** - Dry-type transformers from .050 kVA through 10,000 kVA single and three phase, up to 34.5 kV, 150 kV BIL with UL® approval through 15 kV; Vacuum pressure impregnation and epoxy shielded transformers ISO 9001:2008 Registered. Medium voltage switchgear including air-insulated livefront, deadfront, SCADA-controlled, automatic transfer, primary metering and wall-mounted pad-mounted and metal-enclosed switchgear.

**Line Power Manufacturing Corporation** - Custom engineered electrical distribution and control apparatus including low and medium voltage metal-enclosed switchgear, power control centers, motor controls, and substations. Electrical power distribution systems and components used in mining. ISO 9001:2000 Registered.

**Metal Castings Company** -Permanent mold and sand cast aluminum products.

**Machinery Components** - Prototype and machined component products.

**Electric Motor Repair & Sales Company** - Electric motor and apparatus repair and new equipment sales.

**Line Power Parts & Rebuild** - Complete electrical equipment remanufacturing and onsite electrical equipment service. The parts service department provides replacement components manufactured by Electrical Group companies as well as commonly used OEM parts.
Line Power Switchgear Products
Live-Front Pad-Mounted Switchgear - 15 kV • 27 kV
   Manual, Automatic Transfer, Remote Supervisory Controlled Models
Live-Front/Deadfront Pad-Mounted Switchgear - 15 kV • 27 kV
   Manual, Automatic Transfer, Remote Supervisory Controlled Models
Dead-Front Pad-Mounted Switchgear - 15 kV • 27 kV
   Manual, Automatic Transfer, Remote Supervisory Controlled Models
Primary Metering Dead-Front Padmounts - 15 kV • 27 kV • 38 kV
Fused Sectionalizer Dead-Front Padmounts - 15 kV • 27 kV
Metal-Enclosed Switchgear - 5 to 38 kV
   Manual, Automatic Source Transfer, Remote-Supervisory Control, Shunt Trip
Wall-Mounted Equipment - 15 kV • 27 kV
   Wall-Mounted Switch Cabinets, Wall-Mounted Fuse Cabinets
Unit Substations - 5 to 38 kV
Vacuum Reclosers - 15 kV
Custom-Engineered Products - 5 to 121 kV
   Portable Substations - Trailer, Skid and Track Mounted
Components
   Microprocessor and Stored-Energy Switch Operators, SCADA-Controlled Switch Operators

Line Power Dry-Type Transformer Products
Industrial Control - 50 through 750 VA
Type FB Encapsulated 600 Volt Class
   Three-Phase 3 through 15 kVA • Buck-Boost 50 VA through 5 kVA • Single-Phase 50 VA through 25 kVA
Type FH Ventilated 600 Volt Class
   Single-Phase 15 through 167 kVA • Three-Phase 15 through 1000 kVA • K-Factor Rated
   Three-Phase 15 through 500 kVA • Motor Drive Isolation Three-Phase 7.5 through 750 kVA
High Voltage General Purpose
   Three-Phase 2.4 and 5 kV Class, 15 through 1500 kVA • Three-Phase 8.6 and 15 kV Class, 112.5 through 1500 kVA
Pad-Mounted
   Single- and Three-Phase 2.4, 5 and 15 kV Class, 112.5 through 2500 kVA
Unit Substation and High Voltage Power
   Three-Phase 2.4 through 34.5 kV Class, 112.5 through 10000 kVA High Voltage General Purpose
   Three-Phase 2.4 and 5 kV Class, 15 through 1500 kVA • Three-Phase 8.6 and 15 kV Class, 112.5 through 1500 kVA
Vacuum Pressure Impregnated (VPI) and VPI/Epoxy Shielded
   600 Volt Class through 34.5 kV Class, 112.5 through 10000 kVA
Specialty Transformers
   600 Volt Class through 34.5 kV Class, 50 VA through 10000 kVA
NEMA TP-1, TP-2, TP-3 Transformers
NEMA Premium® 30 Transformers
   ABS Certified Marine Duty Transformers for Marine, Petro-Chem and Offshore Applications