

CREATIVE SOLUTIONS FOR POWER DISTRIBUTION



By partnering with our customers, EMI will deliver innovative solutions to meet unique requirements and exceed expectations.





Electro-Mechanical Industries, Inc. (EMI), is a manufacturer of standard and custom electrical distribution equipment serving the needs of the electrical industry in the national and international marketplaces.

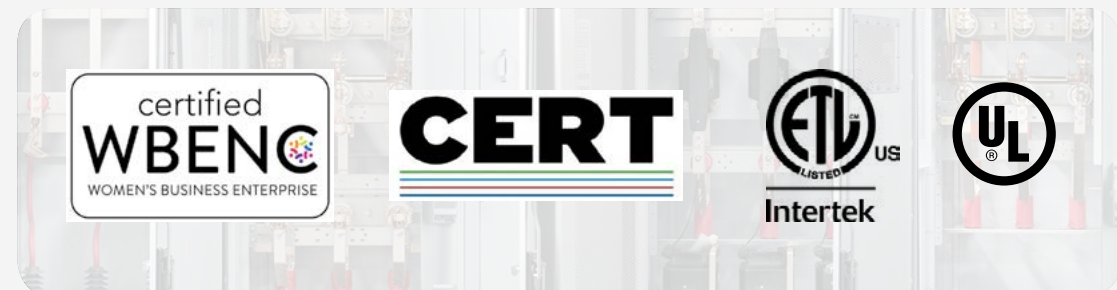
We are a custom OEM that specializes in custom low and medium voltage switchgear, control and switchgear houses, as well as control panels, special wire ways, wall and floor ducts, panel trims and pull boxes.

The company was established in 1981 and has continued to increase its products and service offerings. We have been manufacturing QUALITY electrical distribution equipment for over 39 years. From sales and engineering, to our manufacturing and shipping personnel, we have the knowledge, experience and dedication to assist you with all your electrical power distribution needs.

We are committed to delivering the best value to our clients by providing quality products and service from electrical distribution equipment. It is our goal to meet the technical needs and deadlines of our customers and to ensure their full satisfaction. Plymouth, Minnesota is the home of our 66,000 square foot facility where our products are engineered and manufactured.

WHAT EMI'S CERTIFICATIONS CAN DO FOR YOU

- Meet your company's Diversity Supplier initiatives
- Opportunity to gain extra consideration for state and federal government projects
- Provide added value to your company's strategic initiatives



CUSTOM PRODUCTS



UL891 LOW VOLTAGE SWITCHGEAR

We manufacture a complete line of service entrance, fusible distribution, circuit breaker distribution, utility metering for a single or multiple tenants and special application switchboards. Switchboards can incorporate transfer switches for emergency power if required. These switchboards are listed by Underwriters Laboratories (UL) when applicable and appropriate. EMI specializes in the design and fabrication to retrofit, expand or replace your existing distribution equipment. Back-to-back, L-shaped and other special lineups can be provided as required.



SOLAR SWITCHGEAR

EMI offers UL-listed solar switchgear that's designed, built, and tested in the United States and installed across the nation. Manage energy distribution from multiple combiner panels through feeder connections to a single unit. Our switchgear is available in Type 1 and Type 3R for indoor or outdoor applications. With a CT compartment for utility access and ground fault options, EMI solar switchgear is the custom solution to keep your solar installation's energy flowing.



PARALLELING SWITCHGEAR

EMI designs, manufactures and assists with commissioning utility to generator and utility to utility and generator to generator paralleling and backup systems throughout the United States. We have experience in manufacturing generator backup systems and multiple generator installations. Utility-to-utility paralleling systems have been designed and installed to provide power in critical health care facilities.



UNIT SUBSTATIONS

Unit substations are designed to step down utility voltages (Primary) to distribution voltages (Secondary). These substations can be manufactured for indoor or outdoor applications. The substation consists of three main components, primary electrical distribution equipment, three phase power transformer and secondary electrical distribution equipment. Many commercial, industrial users incorporate the sub on a single platform or a unitized unit substation.



MEDIUM VOLTAGE SWITCHGEAR

Our metal enclosed interrupter switchgear is rated for 5 kV up to 35kV and is designed and manufactured from heavy code gauge steel. The cabinets are welded, primed and painted. EMI offers Utility metering sections, main switch, branch switch and fuse distribution as well as multiple source options. Contact our sales department to discuss your medium voltage requirements.



CONTROL & SWITCHGEAR ENCLOSURES

EMI provides switchgear and switchgear enclosures for your electrical distribution needs. Whether you need additional real estate or desire a turnkey electrical distribution solution, we can provide you with an integrated solution. These houses are designed to your specifications and requirements. The switchgear can be integrated to connect to your building automation system or operate as a stand alone system. We customize these enclosures to include a complete solution for your specialized needs.



MEDIUM VOLTAGE TAPBOX

EMI manufactures custom Type 1 and Type 3R medium voltage tap boxes to meet your needs. Custom termination pads allow connection of multiple conductors for distribution throughout a power system. Integral surge arrestors and surge capacitors can be added for increased system protection. All boxes are factory tested to IEEE power frequency withstand standards



POWER DISTRIBUTION UNITS (PDU)

Power Distribution Units (PDU) offers customers a flexible, clean and efficient solution to distribute power to their facility to meet the requirements of their application. There are unlimited configurations for power distribution within these units from a variety of breaker, panelboard configurations, receptacles, cam-locks, low voltage wiring provisions, transformers, etc. Let us help you design a cabinet that meets your specific needs.



UL 508 CONTROL PANELS/ENCLOSURES

EMI manufactures control panels/enclosures customized to meet your specific requirements. These enclosures house electrical components like relays, pushbuttons, meters, small circuit breakers, fuse blocks, motor starters etc... which are designed to display or control electrical systems.



WIREWAYS AND ENCLOSURES

Wireways are sheet metal troughs with hinged or removable covers for housing electrical wires and/or cables. These enclosures are fabricated from code gauge steel, often galvanized for spaces such as ceiling areas or wall ducts. Wireways are sized based on the number, type, and size of the conductors. EMI can fabricate wireways, pullboxes or enclosures for your specific needs.

STOCK PRODUCTS & SERVICES



CABLE TERMINATION CABINETS

EMI manufactures Cable Termination cabinets to connect building loads to utility conductors. These cabinets can be built with or without utility metering provisions, they are rated up to 600V and are available from 800A-4000A. Cabinets with provisions can be built in single or dual configurations. EMI standard paint color is utility green, other options available upon request.



CURRENT TRANSFORMER (CT) CABINETS FOR ALLIANT ENERGY / XCEL ENERGY

EMI manufactures current transformer cabinets that meet the specific requirements of many utilities. Wall mount current transformer cabinets are available in several sizes and configurations ranging from 400 amps to 1200 amps.



CURRENT TRANSFORMER & SWITCH CABINET (400-800A)

EMI manufactures a single enclosure which houses both utility company approved metering provisions and a fusible service entrance disconnect switch. Internal bus connections cut down on field cabling and simplify installation. Wall mounted current transformer & switch cabinets are rated for up to 600V, and are available in several sizes and configurations ranging from 400 amps to 800 amps.



PARTS & ACCESSORIES

EMI has the capabilities and the experience to custom manufacture electrical distribution equipment and sheet metal enclosures to meet your requirements. EMI adds value to existing gear by upgrading breakers, adding controls and metering, and by providing phase loss and GFI protection. Our in-house engineering and manufacturing allow us to respond to the ever-changing requirements of our customer. EMI excels at working within project constraints such as needs for special dimensions, revisions to gear, quick lead times and assistance with field measurements and installations.

PRODUCT OFFERINGS:

- Retro-fit interiors
- Custom panelboard trims
- Metering switchboard kits
- CB or Fusible switches & hardware connections for existing switchgear
- Ground bar assemblies

Electro-Mechanical Industries, Inc.
13300 6th Avenue North
Plymouth, Minnesota 55441

Phone: 763-546-5998
Toll Free: 800-536-3678
Fax: 763-546-5214
Email: sales@e-m-i.com

www.e-m-i.com

