

Custom Application Center

ABB Electrification Distribution Solutions



Complete engineered systems and custom design packages: for specialized products in a wide range of shapes and sizes — from small PLC enclosures to complex relay panels — ABB Electrification Custom Application Center is a one-stop supplier for all of your system packaging needs.

The experience and the ability to deliver your system

Multi-skilled technicians ensure quality and continuity

Large or small, ABB Electrification can handle every detail. Shipping details — including export documentation and crating for virtually any destination — are handled by our expert teams.

Custom design and modification

For over 15 years, the ABB Electrification Custom Application Center has been designing and fabricating customized electrical control and protection systems to meet a wide range of requirements.

Our extensive experience and testing capabilities allow us to provide the optimum system configuration for your desired functional application.

Maximum efficiency in design

The quality built into our products is a direct result of our rigorous design and engineering processes. All services are performed to ABB's exacting standards by trained "in-house" professionals.

From the system "one-line" drawing to the final elementary drawings, world-class AutoCAD tools are utilized to develop the complete engineered solution. These superior electrical and mechanical designs offer various cost-saving options to our industrial and utility customers. Drawing upon ABB's proven technology and quality processes, our system engineers and AutoCAD designers ensure the closest attention to detail and our commitment to a quality product.

Easier installation and servicing with greater versatility

A packaged system from the ABB Electrification Custom Application Center can reduce your Total Installed Cost (TIC) by minimizing installation cost and cycle time. The customer achieves inventory cost reduction through "Just in Time" inventory management. ABB's complete system packaging capacity enables customers to select the highest quality equipment package to simplify and reduce their installation time and cost.

Total system integration can be as easy as one phone call. From AC/DC drives to PLCs, our systems are designed, constructed and tested to meet the customer's exact specifications.

Our world-class processes guarantee our customers a complete engineered product of the highest quality. We offer virtually any type of customized system or product, including:

- Conceptual Design
- Engineering
- Drafting
- Manufacturing
- Extensive Testing
- Field Installation & Startup

Custom switchgear, switchboards, motor control and synchronizing panels

The ABB Electrification Custom Application Center will design and build to meet your standards. A full range of specialty functions, such as silkscreen Mimic bus and panel certification code options are available as part of our integrated service capacity.

Protective relay and control panels

By developing new digital technology based on proven electromechanical relay schemes, the CAC can provide you with greater system protection for:

- Generators
- Motors
- Switchyard (transformers and feeders)
- Transmission lines

ABB Advantage

Trust ABB for custom designed electrical panel solutions.

- Switchgear modifications
- Protective relay panels
- Custom switchboards
- Custom MCC upgrades with VFD additions
- Packaged AC/DC drives
- Catalog drives
- PLC system packages
- Machine tool control stations
- Custom Generator Health Monitors
- Rebuild / Retrofit Breakers (most manufacturers)
- Simulator Panels for training – Arc Flash, Power, more
- Custom Buss Manufacturing
- Marshalling Panels
- Waterjet Services – one offs to high volume.
- UL 508A Certifications
- 15,000 square foot facility



Custom Buss Fabrication and CT Racks



Custom built DC MCC panel

Contact us:

For more information, call us toll free at +1 888 434 7378, or +1 540 387 8617 and visit us on the web at go.abb/industrial