

Custom Application Center



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. The ABB Electrification Services 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 help ensure quality and continuity

Large or small, ABB Electrification Services 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 more than 15 years, the 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 help 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 Custom Application Center can help reduce your Total Installed Cost (TIC) by minimizing installation costs 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 costs.

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.

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01 Custom buss
fabrication and current
transformer racks
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02 Custom built DC motor
control center panel

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 and start-up

Custom switchgear, switchboards, motor control and synchronizing panels

The 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 Custom Application Center can provide you with greater system protection for:

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

The ABB advantage

Trust ABB for custom-designed electrical panel solutions:

- Switchgear modifications
- Protective relay panels
- Custom switchboards
- Custom motor control center upgrades with VFD additions
- Packaged AC/DC drives
- Catalog drives
- PLC system packages
- Machine tool control stations
- Custom Generator Health Monitors
- Rebuild / Retrofit Circuit 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



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Contact us

For more information, call toll free at +1 888 434 7378 or visit electrification.us.abb.com/services.

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