RuggedSpec™ Enclosures

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Collaborative customization resulting in reliable protection

From the harshest environments to the most unique applications and complex configurations, our quality standard and custom-engineered enclosure systems keep equipment at peak performance and extend its operating life.

Built to adapt, built for value, built to last
AZE offers the most durable enclosure systems for any application, from power distribution and control centers to custom configurations. With a multitude of custom options, our RuggedSpec enclosures are designed to adapt to any environment and provide the reliability and security you require. Constructed with strength and resiliency, AZE’s rugged base, interlocking panels, and seam-welded roofs are able to withstand extreme temperatures and the harshest conditions year after year.

Our enclosures feature a structural base constructed for pier mounting, eliminating the need for costly, full slabs and providing maximum design flexibility. Fully factory built, wired and tested, they require no on-site assembly or interconnects, with the exception of some minor on-site assembly and reconnection required for multiple-section units with more complex designs.

Our manufacturing capabilities have you covered
AZE RuggedSpec enclosure systems can be designed to house switchgear, motor control centers, motor starters, variable frequency drives, relay and control panels, and other electrical equipment.

Within our large manufacturing facilities, we have the capacity to construct enclosure systems up to two stories in height in an indoor, climate-controlled environment without exposure to contaminants and outdoor elements, such as humidity, which can damage components or compromise the quality and integrity of structures.

Our extensive capabilities provide production flexibility, eliminate delays, and enable us to meet tight delivery schedules on time, every time.
AZZ offers the most durable enclosure systems for any application, from power distribution and control centers, to custom configurations.

STANDARD RUGGEDSPEC ENCLOSURE FEATURES

- Pre-engineered designs meet or exceed all nationally recognized electrical and building codes
- Modular construction with standard interior widths, lengths and heights to conform to equipment dimensions and exterior dimensions and modules which facilitate trailer transportation
- Common components designed from stock inventory, including base structures, floor plates, wall panels and roofs, provide significant cost savings
- Factory-built advantage mitigates schedule delays due to weather and other factors related to on-site construction
- Optional ballistic protection with Arm Arrest™ technology

SUPPORT FROM DESIGN TO DELIVERY

- Dedicated expertise and support throughout every phase of your project, from site visits and design specifications, to construction and on-site installation
- AZZ can install any major electrical equipment, interconnection services, and power cabling of electrical equipment in a factory environment
- These capabilities enable us to fully integrate and test your entire enclosure system prior to delivery

QUALITY ASSURANCE

- Committed to meeting or exceeding regulatory requirements governing our customers' industries
- Meets the exceptionally high certification standards of:
  - CSA-A660 quality certification for steel building systems
  - ISO 9001:2008 quality management system
- Stringent third-party certifications and an unwavering commitment to quality
- A level of confidence and trust that can only be achieved by partnering with a global leader in infrastructure enhancement

COST-EFFECTIVE SOLUTION

- Modular, factory-built, cost-effective alternative to on-site construction
- Eliminates field labor costs and provides significant efficiencies
- Dedicated resources and streamlined production processes

COMPREHENSIVE FACTORY TESTING

- Testing of ancillary devices
- Testing of utility circuits, power cabling and interconnects after installation
- Continuity and hi-pot testing when applicable
- Wet spray tests performed prior to painting
RuggedSpec™ Enclosure Systems are highly-engineered and built to cover your highest priorities. Our design meets or exceeds Miami-Dade County building codes. The structural base is designed for pier mounting, eliminating expensive full slabs. No on-site assembly or interconnects are required because the total package is factory built, wired, and tested before shipment. Weather or coordination delays are minimized. Only incoming and outgoing electrical connectors are necessary after positioning on suitable piers.

Typical RuggedSpec Power Distribution Center

- Ceilings support extra loads of 100 lbs./linear ft.
- Interior walls support extra loads of 400 lbs./linear ft. without compromising 125 mph design wind loads
- Base designed for mounting on concrete piers
- 12-gauge steel paneled roofs rated for 85 psf (single-wide), 45 psf (double-wide)
- Floor designed for battery rack loading, and rated for no less than 250 lbs./sq. ft.
- Built-in floor troughs with removable bottoms and cover plates
- Double wall insulated panels
- Base structurals designed for minimum deflection
- Removable end wall available for future expansion
- 16-gauge paint quality galvannealed steel exterior and interior walls formed by interlocking vertical panels
- Typical RuggedSpec Power Distribution Center