

# EQUIPMENT CENTERS

It doesn't matter if you want to move it, stack it, expand it or drag it around – Lectrus can give you an electrical equipment center that will do exactly what you need.

Our centers typically safeguard low, medium and high voltage electrical equipment that either you or one of our electrical equipment partners provides. This can include switchgear, motor control, drives, generators, rectification, DCS, PLC, UPS, SCADA systems and many other electrical components. Our custom solutions offer protection from a variety of environmental conditions. In addition, our structures and HVAC systems are designed to handle anticipated heat loads from both the environment and the electrical equipment housed within.

We can also integrate and test your third-party equipment for you – providing turnkey solutions that let you skip the hassle of working with multiple vendors. You'll be looking forward to deliveries from a single company, containing everything your new power center will need so it's practically "plug and play" once on site.

Reliable, flexible and cost-efficient, our prefabricated metal equipment centers give you options for materials, space requirements and future expansions.





## RELIABLE QUALITY

Conventional shelters and block buildings may not be able to accommodate the variety of conditions and requirements that a Lectrus center can, such as corrosive environments, high temperatures, atmospheric contaminants or extreme weather. Our standard design includes a sturdy continuously welded base, insulated steel floor and wall/roof structure designed to handle more than 250 PSF floor loadings, up to 180 MPH winds and 30 PSF roof load ratings – and that's just the start. We'll also design and select the correct air conditioning systems to keep your equipment running at optimum temperatures. Plus, we offer extended warranty options of 5 and 20 years.

Lectrus equipment centers are built using rugged, high quality materials for long-lasting performance:

### Exterior

- Galvanized steel wall panels with interlocking self-framing design
- Aluminum or stainless steel available for harsh environments
- NEMA 3R, 12, 4 or 4X protection
- Epoxy paint with polyurethane topcoat for durability and corrosion-resistance; veneers also available
- Galvanized steel interlocking roof panels with height variance for overhead busway, cable tray, wireway and bulkhead plates
- Various personnel access and equipment door styles available
- Fire-rated exterior walls, roof or floor option



### Interior

- 1/4" smooth steel plate flooring welded to base, coated with skid-resistant epoxy
- Wide range of thermal and acoustic insulation options for floor, walls and ceiling
- Selection of HVAC, pressurization and filtration choices, including NFPA 496 pressurization and C1/D2 classification
- Ventilation location options
- Fire control including detection/suppression, gas monitoring and fire-rated walls and partitions
- Wire management and custom wiring
- Multiple options, including: computer floors, wall roof and floor cutouts, plumbing, lighting, receptacles, transformers and panelboards



## Support

- Designed to handle: greater than 250 PSF floor loadings, up to 180 MPH winds and 30 PSF roof load ratings
- Base with welded steel channels and angle supports
- Sizing and reinforcement for project load requirements
- Blast-resistant equipment centers available, using fully-welded deck plate or interlocking panel designs, ideal for offshore and onshore oil and gas applications

## Certification and Compliance

- UL-classified (in the U.S.)
- CUL-classified (in Canada)
- Our paint system has passed over 3,000 hours of salt spray exposure per ASTM standards
- Designed for compliance with relevant structural codes/guidelines, including IBC, UBC, ASCE, ANSI, AISI, AISC, ASTM, ICC, NEMA and NFPA
- Structural and electrical designs available, stamped by a professional engineer from the state where the project is located (in the U.S.)
- Complete set of building schematics
- CSA certification available

## CUSTOMIZATION

Lectrus can give you a variety of material and structural options for your specific environment and equipment requirements. It doesn't matter if you need positive HVAC pressurization for dust, special filtration systems, or compliance with NFPA pressurization standards for explosive environments.

We can also address cosmetic requirements such as paint color and composition. Our indoor environmentally controlled paint booth can handle sections up to 20 feet wide and 75 feet long and uses an electro-static coating application.

Practically every facet of your equipment center can be made to order, so your options are virtually endless, including:

- Accommodation of seismic, special or unusual structural loadings
- Special power and control wiring
- Customized thermal insulation levels
- Electrically rated floor coverings
- Personalized paint colors and veneers
- External platforms, stairs and handrails

And when we integrate your third-party electrical equipment, you'll be able to focus on deliveries from a single company that works to your schedule. You won't have to organize storage or integration, or worry about pilferage.



### Why Choose a Lectrus Equipment Center (EC) over a Conventional Building?

- **Integration** – major electrical equipment can be pre-installed, wired and tested prior to delivery
- **Design Engineering** – complete package designed/engineered by Lectrus
- **Portability** – disconnect line and load cables and EC is ready to move
- **Future Expansion** – removable end option for quick and easy future expansion
- **Minimum Foundation** – options for piers or ring wall
- **Material Choices** – painted galvanized steel, stainless steel or aluminum
- **Self-Supporting Base** – allows all equipment to be factory-installed and leveled before shipment
- **Factory-Wired** – complete with schematics
- **Main Bus Coordination** – by Lectrus experts
- **Integrated Grounding System** – rather than built into the foundation
- **Adaptable External Connections** – for overhead or underground conduit systems, rather than fixed location in a slab floor
- **Efficient** – delivery of an integrated center to site, minimizing site disturbance and conflicting trades
- **Economical** – on site construction savings, mobility/better placement for load cable savings, and possible tax depreciation for the EC as equipment
- **Convenient** – unit delivered the day it fits your project plan
- **Size Options** – Lectrus can accommodate large and complex structural designs

### FLEXIBILITY

Our mobile equipment centers are designed for moving, and can also be designed for stacking and expanding. As a single, cohesive unit, they can be lifted and moved by crane, or we can incorporate a heavy duty skid so they can be pulled. They're easy to position and install, and just as easy to uninstall and move to a new location as your needs change.

They can accommodate rooftop equipment, or be reinforced for stacking, creating multi-level space solutions in a small footprint. And if you're planning ahead, they can include a removable end wall, so future expansion is easier and faster than with a block wall.

You can even opt to combine operator and equipment center functions into one unit, selecting either a single level center, or a multi-level center that combines an operator pulpit with a lower level equipment center.

With such a high degree of flexibility, it's no wonder Lectrus equipment centers can be found in so many different market applications:

- Oil and Gas
- Industrial
- Water/Wastewater
- Mining
- Transportation
- Military
- Renewable Energy

We can give you the flexibility you want without sacrificing the protection you need.



## EFFICIENCY

When you choose a Lectrus pre-fabricated equipment center, you can avoid planning the coordination of onsite labor and construction materials. All skilled trades are managed at our Houston and Chattanooga manufacturing facilities, and you'll work with a project manager dedicated to your job. Our innovative estimating software and project development process help ensure accuracy and quality. Once completed, your equipment center will be delivered to your project, on your timeline.

In addition to saving you time, we work to save you money. Center mobility allows you to locate equipment like switchgear and motor control centers close to the processes they control to reduce load cable lengths, translating to cost savings. We can install special raceways to cut down on massive control or power wiring materials. You may be able to depreciate our mobile centers as equipment for sizable tax savings. And of course, simply protecting your critical equipment can mean longer operating life.



## CHOOSE LECTRUS

Our company and our products are reliable, dependable and innovative. With more than forty years of history and experience, we've worked hard to develop a range of products that are adaptable to a variety of different markets and an array of different needs.

Lectrus can help you protect your vital equipment – if it's important to you, it's important to us.

We are your customized project solution – Engineered to Spec. Built to Last.

**2009: Metal Systems (MSI) became Lectrus. Our new name embodies the leading electrical systems integrator we've become, and the standard for reliability we've established.**