



POWER

lectrus



Lectrus is a leading electrical systems integrator and custom metal enclosure designer and manufacturer. With more than forty years of history and experience, we offer a unique combination of services: innovative design solutions, project management, electrical equipment integration, site assistance and customer support.

We serve our clients with two of the highest capacity manufacturing facilities in the industry, located in the strategic locations of Chattanooga and Houston.

And with a comprehensive product line of equipment centers, operator centers, custom enclosures and skids, we provide protective and flexible solutions for use throughout the power industry.

POWER



Generation, Transmission and Distribution

We have experience supporting power generation based on virtually every fuel source available, from fossil fuel, nuclear and hydro to geothermal, solar, wind and biomass.

We recognize each facility requires its own complex electrical switches, controls and breakers to manage voltage and current transmission - and that means providing you with structural protection that is specifically designed for each of them. We can fully integrate your third-party electrical equipment into one of our customized centers, test it, and deliver it to you in a single convenient shipment.

Some of our common projects:

- // Pump houses for power generation facility retention ponds
- // Substation protection for secondary switches:
 - / Air-break switchgear
 - / Vacuum or gas-insulated switchgear
- // Comprehensive relay panel protection
- // Gas turbine control modules
- // Distributor control systems for flue gas desulfurization scrubbers
- // Motor control protection for PRB coal environments
- // Utility emissions control systems and upgrades

Our solutions are customized to your project's individual specs as well as physical environment. We can give you structural options to withstand elements like wind and seismic activity. We have extensive HVAC filtration and pressurization options to keep out dust and other particulate matter. We have coatings and veneers to fight off corrosion.

We're dedicated to helping you protect the critical, sensitive and often expensive equipment that works hard to supply the power we all rely on.

PRODUCTS

Our products are rugged, reliable and flexible, giving you options for materials, space requirements and future expansions. They're convenient: we can install and test most of your power, control and wiring applications for you, providing a complete and economical turnkey solution that lets you skip the hassle of working with multiple vendors. And they can also save you money. Not only can you decrease onsite construction costs, you may be able to depreciate our mobile centers as equipment for sizable tax savings.



POWER PLANT PROJECT IN MT. VERNON, IN

Equipment Centers

It doesn't matter if you want to move it, stack it, expand it or drag it – we can give you an equipment center that will do exactly what you need. Our prefabricated modular metal centers typically safeguard low, medium and high voltage electrical equipment that either you or one of our electrical equipment partners provides. This includes secondary switches such as air break and gas-insulated switchgear, relay switches, motor controls, drives, generators, rectification, DCS, PLC and more.

Whether specs call for NEMA 3R, 12, 4 or 4X protection or NFPA 496 pressurization standards for explosive environments, we can design and build a custom solution that meets your specific needs and is much easier, more economical and versatile than site-built buildings.

In addition to pressurization, filtration, coating and acoustic insulation options, we also offer various tiers of structural protection:

Structural Protection Levels

1. G90 galvanized steel for walls and roof, protected with epoxy paint with polyurethane topcoat
2. Severe duty coating system
3. Stainless steel construction

You can protect your important equipment, knowing that if it's important to you, it's important to us.



COAL-FIRED POWER PLANT FSG PROJECT
IN COFFEEN, IL

Operator Centers

When you need to protect personnel as well as equipment, consider a Lectrus operator center, constructed specifically to protect your people and controls from noise, dust and inclement conditions. Ideal guard houses, our operator centers can accommodate a variety of conditions and requirements that traditional shelters may not be able to:

- // the inclusion of a classified security sector
- // high noise pollution
- // extreme weather
- // dust
- // atmospheric contaminants
- // sensitive equipment

Lectrus can also combine operator and equipment center functions into one unit, either on a single level, or in a multi-level center that combines an operator pulpit with a lower level equipment center.

Custom Enclosures

Lectrus custom electrical enclosures are individually designed to house an extensive array of electrical controls and devices, and protect them from harsh industrial conditions. Our enclosures can be designed and constructed to meet NEMA 4, 4X, 3R or 12 requirements, and are available in stainless steel or aluminum alloy. We also offer additional structural and design options, such as wall or floor mounting to wrap-around or stand-alone units.



ELECTRICAL SUBSTATION PROJECT IN RALSTON, NE

Skids

When you need a sturdy and portable alternative to a large equipment center, our steel skids provide a low-cost option for placing equipment like pumps and compressors outdoors. They're also a convenient solution when retrofitting existing buildings or facilities with new electrical control, emissions and power equipment. We can integrate your components and mount them onto our welded steel base, testing control wiring before transporting to your worksite in a single, convenient shipment.

CHOOSE LECTRUS

Our customers depend on the consistent high quality that Lectrus has come to represent. Our products are custom-designed to meet your exacting specifications, and are built from tough materials to stand up to harsh conditions. Through our experience working with the power industry, we've developed a range of offerings that give you the reliable protection you need for critical electrical controls.

We have your customized project solution – Engineered to spec. Built to last.



OUR PROCESS

- // Request for Proposal
- // Proposal Developed and Sent to Customer:
 - / Bid/Estimate
 - / Bill of Materials
- // Bid Review Meeting
- // Proposal Formally Accepted
- // Order Submitted/Accepted
- // Project Manager Assigned
- // Electrical and Structural Engineers Prepare Drawings for Client Approval
- // Fabrication Begins
- // Electrical Integration
- // Quality Control Assurance
- // Customer Approval
- // Project Delivery
- // Field Services Support

For additional information or to submit a request for a project bid, please contact:

800 445 8791

423 894 9268

lectrus.com

email: sales@lectrus.com



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ENGINEERED TO SPEC. BUILT TO LAST.

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