



WATER AND WASTEWATER

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 water and wastewater treatment industry.

WATER/WASTEWATER

Pumping, Storing and Treating Water

Water is one of our most precious resources. The challenges of moving it, purifying it and storing it involve electrical as well as civil engineering considerations.

The electrical equipment that controls everything from pumping to filtration must be protected from external environmental conditions, as well as highly corrosive elements such as microbe digester gases, sulfuric vapors and humidity.

Your Lectrus team possesses the unique experience and skills required to integrate the electrical equipment you provide into durable equipment centers that can withstand these corrosive elements and maintain effective, efficient water resource management.

Whether it's the addition of advanced filtration and pressurization units, or the incorporation of industrial coatings, we can help you protect your investment so you can focus on keeping everything flowing smoothly.

PRODUCTS

Our products are rugged, reliable and flexible, giving you options for materials, space requirements and future expansions. They're convenient, giving you turnkey solutions that let 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.

Equipment Centers

It doesn't matter if you want to move it, stack it or expand it – we can give you an equipment center that will do exactly what you need. Our prefabricated modular metal centers are also commonly called pump houses, e-houses, control buildings, and power distribution centers, depending on how they are used. They typically safeguard low, medium and high voltage electrical equipment that either you or one of our electrical equipment partners provides. This includes motor controls (such as slurry pumps), switchgear, drives, distribution panels, transformers, generators, rectification, DCS, PLC and more.

Certified UL (in the U.S.) or CUL (in Canada), our centers can be designed to accommodate rooftop equipment, as well as reinforced for stacking. And the option for a removable end wall gives you flexibility for future upgrades. Prior to shipment, we can install and test most of the power, control and wiring applications for you, giving you a complete and economical turnkey solution.

Whether specs call for NEMA 3R, 12, 4 or 4X protection or simply HVAC/environmental control, 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 and coating options that fight off corrosion and the elements, we also offer various tiers of structural protection:



STAINLESS STEEL EQUIPMENT CENTER

Structural Protection Levels

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

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

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. Traditional shelters may not be able to accommodate the variety of conditions and requirements that a Lectrus center can, such as:

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

We 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 rugged industrial conditions. Our enclosures can be designed and constructed to meet NEMA 3R, 12, 4 or 4X 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.



KANSAS CITY PUBLIC UTILITY PROJECT IN KANSAS CITY, KS

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 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 water and wastewater/reclamation facilities, we've developed a range of offerings that give you the protection you need and the flexibility you want.

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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