



OIL AND GAS

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 oil and gas industry.

OIL AND GAS



Production, Refining and Distribution

Lectrus products are an exceptional fit—especially in the refining, exploration and distribution sectors. Whether onshore (“downstream”) or offshore (“upstream”), maintaining vital power and motor control systems is essential. Oil platforms, refineries and pipelines with limited space and substantial operating costs rely on virtually nonstop operational function. Protective equipment solutions must allow for extensive space restrictions and safety requirements. And as the industry continues to grow and evolve, innovation is also a factor.

Space

When real estate is at a premium, Lectrus can help you increase functionality without sacrificing space. Our equipment centers can be reinforced for stacking, giving you options multi-level buildings complete with necessary platforms, rails and stairs. They can also be designed to accommodate rooftop gear. When you can't spread out, think up.

Safety

Oil and gas facilities must face a variety of environmental conditions. But plant processes are a factor, too. Sensitive equipment must often be located near processes emitting high levels of dust, vapor and particulate matter. Lectrus centers can help you protect your valuable equipment with a variety of HVAC, pressurization and filtration options to keep everything running smoothly.

Innovation

With forty years of history and experience under our belt, we've perfected not just meeting, but anticipating, our customer's needs. As the industry has evolved, so have our products – like our new blast-resistant equipment centers. Using fully welded deck plate or interlocking panel designs, these centers can protect essential process equipment from explosive events, and are ideal for both onshore and offshore applications.

But don't forget convenience. Lectrus can provide structural protection that is specifically designed for your project and we can fully integrate your third-party electrical equipment, test it, and deliver it to you in a single convenient shipment.

PRODUCTS



Our products are rugged, reliable and flexible, giving you options for materials, space requirements and future expansions. When we install and test your power, control and wiring applications, you get a turnkey solution that lets you skip the hassle of working with multiple vendors. And our products 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, 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 pumping stations, 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 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 or severe duty coating system
2. Aluminum construction
3. Stainless steel construction

Our structures can help you economize space, with reinforcement for stacking or installing rooftop gear. We can also give you room to grow, with an option for a removable end wall that makes future expansion easier.

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. 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.



ETHANOL PLANT SUBSTATION PROJECT IN STOCKTON, CA



POLYCARBONATE-URETHANE/ALKYLATION PROCESS
EQUIPMENT CENTER PROJECT IN WHITING, IN

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.



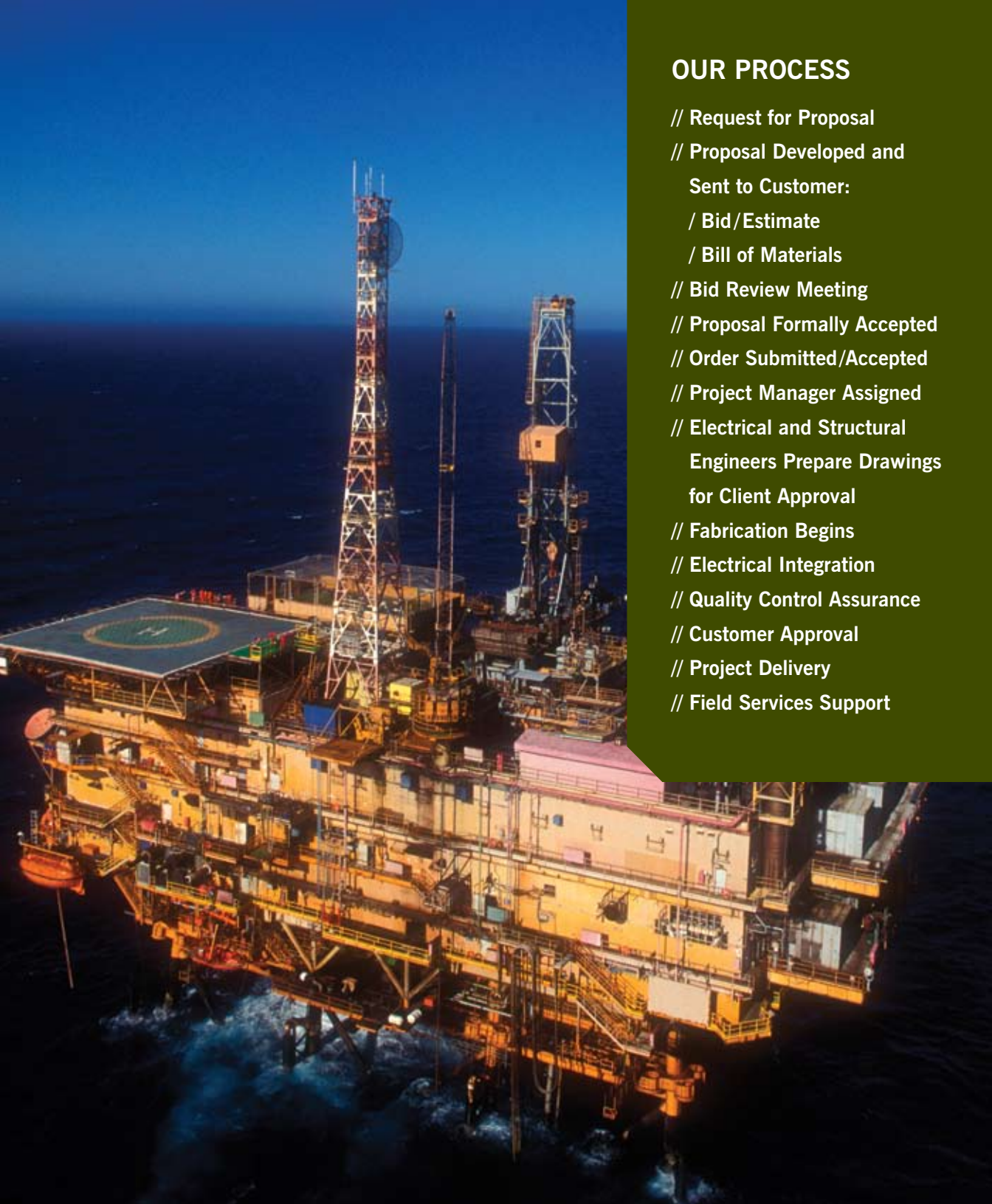
Skids

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 the oil and gas industry, we've developed a range of offerings that give you the reliable protection you need and the flexibility and convenience 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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