

# PROJECT CASE STUDY

## SAUDI ARABIA PETROCHEMICAL COMPLEX

For over two years, Lectrus was engineering and building very large electrical equipment centers at its Houston plant for one of the world's largest petrochemicals complex in Saudi Arabia. Working closely for strategic partner Schneider Electric, Lectrus built, tested and shipped 14 fully integrated Power-Zone® Centers and 27 analyzer buildings to the project.

"This was the most exciting and challenging project I have ever worked on", Lectrus Project & Engineering Manager Lynn Phillips stated. "These types of projects are either career makers or career breakers. We are confident that Lectrus helped those companies involved", he added.

Products manufactured at the petrochemical complex include polyethylene, polypropylene, polystyrene, and 1-hexene. Other construction includes utilities, storage, feedstock, pipelines and port facilities. The complex is scheduled to become operational by September 2011. Lectrus' flexibility and attention to detail was extremely important to the three global engineering firms involved.

The size and content of each Power-Zone Center is equally impressive. First of all, the centers contained 34kV gas insulated switchgear, specialty transformers, control panels, low and medium voltage switchgear, motor control centers, variable speed drives and interposing relay panels. As for building sizes, the 2-piece centers were up to 34.3m long x 9.1m wide and the 3-piece centers up to 57.2m long x 9.1m wide. With these centers built, fully integrated and tested at Lectrus' Houston plant, transporting the 9-meter wide, 120 ton structures 35 miles to the Port of Houston required special permits and extensive coordination.

Join the hundreds of top end users, engineering firms and other multinational companies who have trusted Lectrus for decades to design their electrical equipment centers. Call us today at +1 423 894 9268, send a request for proposal ([estimating@lectrus.com](mailto:estimating@lectrus.com)) or visit us on the web ([www.lectrus.com](http://www.lectrus.com)).



"PowerZone Centers® is a trademark of Schneider Electric"

L-506

## PROJECT PROFILE

### // PROJECT //

Saudi Petrochemical Complex

### // LOCATION //

Saudi Arabia

### // MARKET SEGMENT //

Oil & Gas

### // EQUIPMENT PROTECTED //

- 34kV Gas Insulated Switchgear
- Specialty Transformers
- Control Panels
- Low and Medium Voltage Switchgear Motor Control Centers
- Variable Speed Drives
- Interposing Relay Panels

### // PRODUCT //

Electrical Equipment Centers

### // ENCLOSURE SIZE //

2 Piece Center~30 ft x 113 ft

3 Piece Center~30 ft x 188 ft

### // DATE COMMISSIONED //

2008

### // CUSTOMER //

Schneider Electric

# lectrus®

ENGINEERED TO SPEC. BUILT TO LAST.

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