

# PROJECT CASE STUDY

## DUPONT HMS ELECTRICAL CONTROL ROOM 2

As the envelope of available owners' real estate continues to shrink, manufacturers and end-users are collaborating to engineer more creative solutions to best utilize the space available for installation of complex electrical systems. At the DuPont® Houston Manufacturing Plant (HMS), this was accomplished by engineering a fully integrated Lectrus equipment center installed inside an 80-foot high existing building.

In addition, DuPont faced another obstacle to which they sought Lectrus' expertise: the City of Houston building permitting process. Because the prefabricated equipment center was being installed inside of an existing structure within the City of Houston, it was re-classified by the local municipality. This reclassification required Lectrus to not only meet specific City of Houston building codes but to work with their customer, The Reynolds Company, to ensure that project timelines were met to align with the HMS shutdown date.

As always, coordination between Lectrus and its suppliers was critical for this project to come to meet client expectations. Lectrus reached out to its most reliable vendors to assist in this challenging project. Equipment installed and integrated at the Lectrus Houston Operation included:

- 480V Allen Bradley motor control centers
- Two, 12.5-ton Trane pad-mounted pressurized HVAC systems
- Custom platforms and handrails for the roof-mounted HVAC system
- Fiber optic and communication cables
- UPS system
- More than 240 feet of overhead cable tray
- Power and control interconnect wiring



## PROJECT PROFILE

### // PROJECT //

DuPont HMS Electrical Control Room 2

### // LOCATION //

Houston, Texas

### // MARKET SEGMENT //

Chemical

### // EQUIPMENT PROTECTED //

Low voltage motor control centers, UPS system, communication panels

### // PRODUCT //

Equipment Center with Custom, Roof-Mounted HVAC System

### // ENCLOSURE SIZE //

15 feet x 44 feet

### // DATE SHIPPED //

October 2010

### // CUSTOMER //

The Reynolds Company

### // OWNER //

DuPont

# lectrus®

ENGINEERED TO SPEC. BUILT TO LAST.

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