

PROJECT CASE STUDY

NUCLEAR POWER PLANT PROJECT

Lectrus Corporation was asked by Burns & Roe Engineering and a highly reputable utility company to participate as team member to tackle a time-sensitive project required by the Nuclear Regulatory Commission (NRC). Installing a backup power supply system for a licensed nuclear power plant located in the US had to be completed in less than 8 weeks.

Some of the challenges faced during the project included a small space constraints, sensitive equipment installation, short installation time and concerns regarding the enclosure's ability to resist tampering by unauthorized personnel.

Lectrus dispatched engineering resources directly to the site and designed a custom enclosure with input from all parties working on behalf of the utility. After several iterations the final design was approved only 2 days after arriving on site. The challenges associated with space constraints were solved by integrating all the components to the smallest footprint possible in accordance with NEC requirements. Security concerns were mitigated by designing a Level 2 blast resistant Equipment Center which provides a more robust enclosure protecting the critical electrical system featuring 10-inch thick walls.

The talented team at Lectrus fabricated this 9ft wide x 25ft long Equipment Center and integrated all customer-supplied equipment in less than 8 weeks. The fully integrated and tested equipment center was shipped and installed on site to be operational in only a few days.

Lectrus...Engineered To Spec. Built To Last.



PROJECT PROFILE

// PROJECT //

Back Up Power for a Nuclear Power Plant

// LOCATION //

// MARKET SEGMENT //

Nuclear Power

// EQUIPMENT PROTECTED //

// PRODUCT //

Blast Resistant Equipment Center

// ENCLOSURE SIZE //

9 ft X 25 ft

// DATE COMMISSIONED //

2010

// CUSTOMER //

// ENGINEER //

Burns & Roe Engineering

// OWNER //

lectrus®

ENGINEERED TO SPEC. BUILT TO LAST.

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