

APPLICATION BRIEF

2020

CUSTOM PANEL BUILD

Brief Description:

Emerging Technologies, LLC. was called upon to layout and build a custom control panel from customer provided components and electrical design.

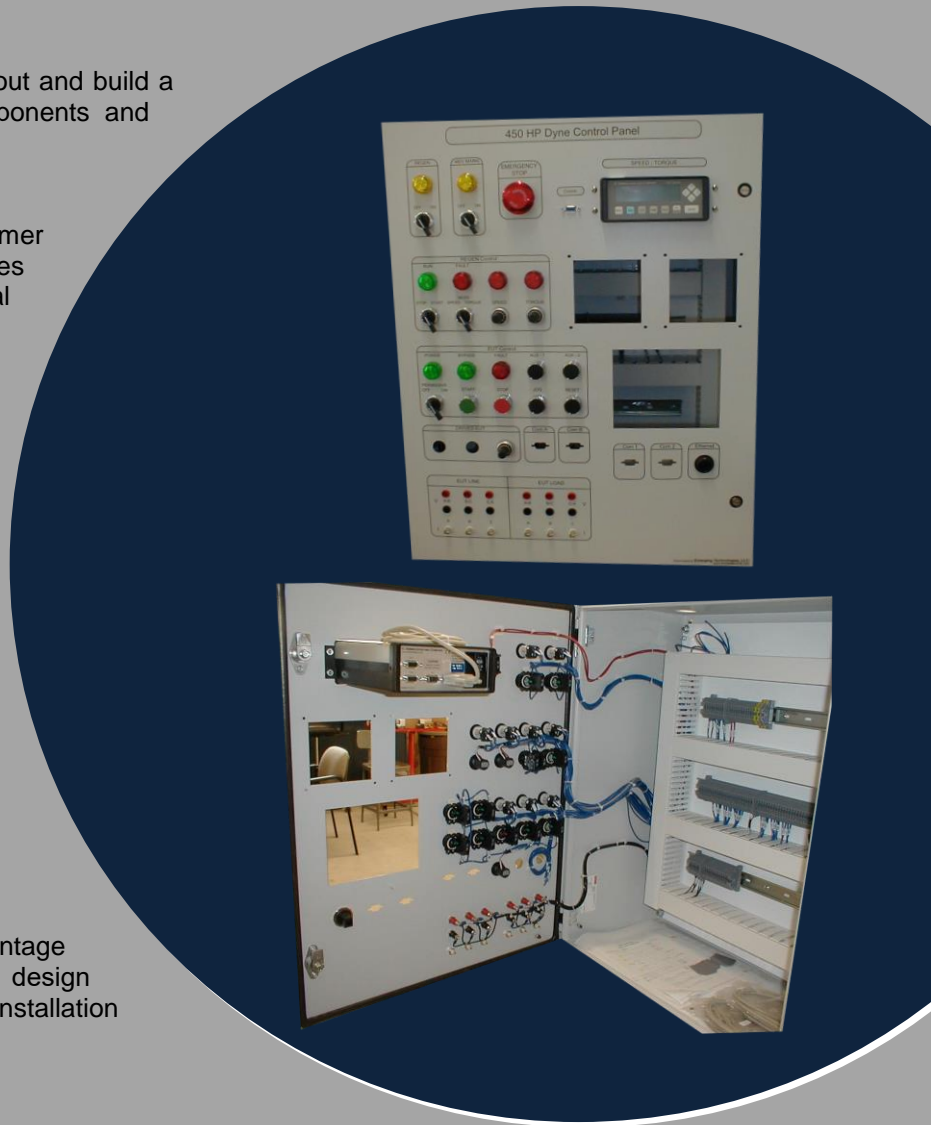
Emerging Technologies, LLC. worked from the customer provided devices and electrical design. Challenges included generating a panel layout that was functional and intuitive for the operator as well as the field installer.

Top quality components were part of this showcase control panel. Aesthetics as well as function were developed into this panel build. Water jet cutting was used to ensure perfectly placed clean cuts for excellent fit of devices. Wireway and terminal blocks ensured easy field installation by the customer.

The project cycle consisted of panel layout design, panel fabrication and wiring, and point-to-point verification of wiring.

Customer Benefit:

The customer was able to save time while taking advantage of Emerging Technologies' expertise in clean panel design and assembly making for a simple and clean field installation process.



ET Responsibilities:

- Functional Specification Generation
- ✓ Design / Engineering
- ✓ Fabrication
- Programming – Software
- Programming – Firmware
- Circuit & PCB Design
- On-Site Commissioning
- Post Commissioning Support
- Other

Technologies:

- Embedded Computers
- Microcontrollers
- Visual Software
- Control Software
- Data Acquisition
- Computer Based Control
- Communications
- System Integration
- ✓ Other – CAD –panel layout

Special Features:

- ✓ Custom Color Matched Labeling.
- ✓ Water jet Cut Device Penetrations.
- ✓ Terminal Blocks for Field Terminations.
- ✓ Wireway for Ease of Incoming Field Wire Routing.
- ✓ Point-to-Point Wiring Verification.