



Control Panel Redesign

Exploration and Energy Production Company

The customer wanted a panel supplier to reimagine an existing control panel design used on their hydraulic fracturing rigs. We worked with the customer to successfully redesign the panel and incorporate some new requirements from out in the field.



BUSINESS NEED

The customer was seeking a supplier to reimagine an existing control panel design used on their hydraulic fracturing rigs. The design from the customer's existing supplier was not satisfactory.

The system included a main PLC panel, 2 remote I/O panels, and a battery box. Because of the environment in which the panels operate, some of the parts were a bit more difficult to source than most components. A local competitor was given an opportunity to build the panels but they were unable to deliver.

The customer wanted to revamp the existing panel design in order to:

- Provide a higher quality build
- Ensure more consistent deliveries

OUR SOLUTION

Cates Control Systems procured the materials, redesigned the control panel and managed the project. The solution involved:

- Re-creating the customer's existing control panel design
- Modifying the original design to incorporate the customer's additional requirements from out in the field
- Sourcing materials for a harsh environment

CUSTOMER RESULTS

The customer's panel costs were reduced by sourcing parts from new suppliers through our existing relationships. The customer was able to test the panels in our production environment, which reduced travel and time to set up testing onsite or at another facility. The customer found the local engineering and panel company they were seeking — Cates was used to manufacture panels they previously sourced from out of the country. Building the panels locally resulted in a huge cost savings, and the customer's engineering team could easily interface with our design and fabrication teams to check on panel progress.

**Need help with OEM or custom control panel design?
Contact us for an estimate.**



CATES CONTROL SYSTEMS

Houston | Dallas | San Antonio | www.cates.com | sales@cates.com | 713.944.0101

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