

CASE STUDY

CUSTOM PLC PANEL



BACKGROUND

GTH was approached by a Nevada mining company who was looking for a new PLC panel for a pre-fabricated electrical house. They are an active mine with operations in over 5 countries around the world so their expectations were high.

CHALLENGE

The customer needed a system that met I/O requirements and could also communicate back to their main system over fiber optics.

SOLUTION

GTH designed a cost-effective solution to meet the customer's requirements. The Schneider Modicon M340 PLC was selected for its durability in harsh environments. It also provides flexibility and plug-and-play connectivity with both Schneider and third party devices. The Schneider Magelis HMI provided an intuitive, easy to use operator interface. System communication was established using EOTec fiber optic modems from Ultra Electronics. The customer was extremely pleased with the final result. They received a turnkey, ready-to-install PLC control panel from a trusted integration partner.

The purchase of a turnkey ready to install PLC control panel from a trusted partner was invaluable this customer. The PLC panel was to be shipped to a 3rd party for installation into the pre-fabricated electrical house. Our customer had the confidence in GTH to design, build and ship the panel with accurate information to allow for a successful integration.

BENEFITS

The PLC panel was ready when needed and seamlessly installed into the pre-fabricated electrical house. The GTH custom UL control panel provided the following system benefits:

- Turnkey PLC system
- Intuitive HMI interface
- Robust control for harsh environments
- High speed communications
- Expandability
- Safety and reliability

