

Substation Relay Protection Upgrade Project

The 69 kV line protection provided by various electromechanical relays was beginning to fail resulting in several unexpected and unacceptable outages. They enlisted ENTRUST Solutions Group to design ...

Taking advantage of features and capabilities that modern multifunction relays can provide, such as faster tripping, greater sensitivity, and improved security, PNM decided to include the following ...

GAI's capabilities in substation analysis and design include site selection and development, equipment selection and physical layout, as well as protective relaying and controls. Our start-to-finish ...

Barr designed new temporary and permanent relay panels to replace outdated protection and controls and upgrade the remote terminal unit (RTU) and metering equipment in the Poplar Bluff Substation.

With a proven track record of more than 20 successful relay upgrade projects across North America, our team brings deep technical expertise and attention to detail to every project.

Relay firmware changes can impact many components within a protection and control system. This research develops an application guide for utilities to manage relay firmware changes effectively, ...

The 115/25kV substation upgrade project involved replacing and modifying protection and control equipment, including replacing 115/25kV Transformer Protection with the new SEL relays.

We designed and implemented a comprehensive protection system modernization using microprocessor-based relays with IEC 61850 communications. Our approach maintained protection ...

Our technical team has the experience and capability necessary to design new and retrofit substations integrating new and legacy technologies for cost-effective solutions.

We also provided technical instruction to site electrical engineers, relay technicians, and system operators to provide an understanding of the system limitations and purpose of the newly installed ...

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