Project Profile

Energy & Utility

Industrial Automated Systems' Blythe Protection Panels project involved the construction of three sets of swing frame panels designed for integration and retrofit into existing large generator protection systems. Each set included two cabinets with double swing frames consisting of 8-12 Siemens protection relays. These facilitated critical functions such as Transformer/Generator Differential and Overcurrent Protection.

Test switches were strategically incorporated into the design to enable easy testing and servicing of current and voltage circuits, while also facilitating ground pathways. Additionally, bespoke mounting solutions were crafted to manage wires and secure wire crossovers. Rotary switches were installed to streamline breaker state changes and associated input/output operations, including Lockout Relay Rotary switches.

IAS tested the panels point-to-point via the test switches to ensure flawless functionality. Extensive wire routing was undertaken, meticulously bundling large quantities of wire to enhance troubleshooting capabilities and maintain overall system organization. Synchroscope installation further ensured synchronization between monitored circuits. With assembly times ranging from 3-5 weeks, the project underscored IAS's commitment to precision engineering and reliable performance.

IAS

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