

# Design and Manufacture of a 132kV Relocatable Switching Bay

## Background

Ampcontrol were recently contacted by a Queensland utility provider seeking a flexible power distribution solution to assist their service teams when responding to outages or conducting routine maintenance. Following consultation with the customer, Ampcontrol were selected to design and engineer a HV switching bay that could be easily relocated to provide HV support when and where required.

## The Project

In what was a first of its kind project for both Ampcontrol and the customer, the team was tasked with designing and manufacturing a 132kV skid-mounted relocatable switching bay that will be initially deployed within a power station located in Central Queensland.

This relocatable switching bay will be utilised to divert power within the power station, allowing HV technicians to complete necessary maintenance works without interruption to supply.

In addition to the design and manufacture of the switching bay skids, the team was also tasked with developing a comprehensive training package. This included a face-to-face deployment demonstration session and the development of installation manuals whilst also providing ongoing operation and maintenance support.

## The Result

Ampcontrol successfully delivered a custom designed 132kV skid-mounted relocatable switching bay, associated training resources and ongoing operations and maintenance plans for the Queensland based utility provider. Delivered and ready for deployment on-site, the relocatable switching bay will assist on-site teams to complete required maintenance activities without interrupting supply to customers located within the state of Queensland.

## Challenges

- This project was a first of its kind for both Ampcontrol and the utility provider
- The customer's unique design standards required significant adjustments to be made throughout the design process



+ Ampcontrol's 132kV skid-mounted relocatable switching bay