

AUK1000 Site Commissioning and Training: India

Customer

TATA Steel Limited

Location

Bhelatand Amalgamated Colliery, Jharia Division, Jharkhand, India.

Background

TATA Steel is India's largest steel producer with multiple plants located across the globe. They have multiple underground and open cut mines in India including Bhelatand Amalgamated Colliery.

To support the efficiency of their operation, Ampcontrol was contracted to design, manufacture and deliver a central motor control unit that could operate up to four conveyor belts from a single station with full digital display and control. To achieve this the following power distribution equipment was supplied from Ampcontrol's UK operation:

- 1 x AUK1000 4 drive, 550V with individual outlet control and visible earthing

Achievements

- Successful commissioning and testing of equipment
- Theoretical and onsite training supplied to 14 local service engineers as part of the project
- Enabled real time monitoring of Earth Leakage current through the HMI
- Reduced number of operators from 4 to 1 with sequenced operation via single AUK1000 unit
- The project was met with highly positive feedback from the customer.



+ Advanced multi-function Gate End Box

The Equipment

The AUK1000 is the advanced multi-function technology base for Ampcontrol's power distribution solutions. Its primary role is the reliable control, monitoring and protection of electrically driven plant and machinery in hazardous underground mining. It offers advanced safety, productivity and maintenance features as well as a durable flameproof enclosure.

