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# HARD ROCK MINING SOLUTIONS



# AMPCONTROL CONNECTS YOU TO HARD ROCK MINING SOLUTIONS

We know you're working hard to ensure compliance, system reliability and availability while managing your bottom line.

Amcontrol understands your needs and has a proven track record delivering products and systems that comply with the latest mining electrical standards.

From protection relays to the integrated power distribution systems they go in, Amcontrol's customised, scalable electrical solutions suit the unique system challenges and hazards of hard rock mining.

We offer a broad range of solutions individually or as a complete site installation including:

- **Protection relays:** AS/NZS2081 compliant relays for earth continuity, earth fault lock out, earth leakage, frozen contactor as well as integrated protection relays
- **Conveyor control and communication systems:** featuring remote isolation, emergency stop and pre-start warnings
- **Underground communication systems:** intercomms, phones, broadcast messaging and communication infrastructure
- **Surface power distribution:** fixed, mobile and containerised substations, switchyards, transformers and conveyor starters
- **Underground power distribution:** jumbo boxes, distribution boards, fan and pump starters, transformers and VSDs
- **Cables and cable services:** supply, repair and hire of HV trailing and borehole cables
- **Mine wide lighting solutions:** for above and underground applications with fluorescent and LED options
- **Automation and process control solutions:** MES, PLC, telemetry, software and SCADA solutions for a single piece of equipment to complete control of your site
- **Asset management services:** preventative and predictive maintenance, repairs, overhauls, upgrades, training, auditing, and testing, system analysis and HV onsite services
- **Used power equipment:** including substations, transformers, cables and switchrooms for sale, short or long term hire



## Protection relays

Ampcontrol is at the forefront of electrical protection technology. We manufacture the only hard rock mining relays to comply with the latest standards.

This comprehensive and cost effective range of protection relays include integrated and individual protection for earth leakage, earth continuity, earth fault lockout and frozen contactors.



## OTS - Outlet Test System

We ensure confirmation and reporting of protection trip times for all AS/NZS2081 protection functions with our new cloud supported OTS - Outlet Test System.

Provided as part of a starter or available for retrofitting to existing equipment, the OTS provides easy, simple testing functionality for earth leakage, earth continuity, earth fault lockout and frozen contactor.



## Power distribution

Ampcontrol has nearly 50 years of experience designing and manufacturing above and underground power distribution solutions.

Our safe and flexible power distribution systems are highly reliable and designed specifically for demanding environments. Our solutions include:

- Jumbo boxes
- Fan and pump starters
- Distribution boards
- MV/HV power quality solutions and voltage stabilisation systems
- Resistive load banks
- Belt substations and starters
- HV cable and cable services
- Transportable, kiosk and containerised substations for HV and MV infrastructure
- Transformers from 3 to 75 MVA and primary voltages up to 132kV
- High voltage switchyards
- Relocatable and modular switchrooms





## Services

We pride ourselves on partnering with our customers throughout the lifecycle of their equipment and provide a range of onsite and workshop services including:

**Onsite services:** provided 24 hours a day, 7 days a week including installation and commissioning, maintenance, oil filtering and testing, electronic equipment calibration, auditing, high voltage equipment testing and repairs.

**Repairs and overhauls:** our extensive workshop and field resources can repair, upgrade and overhaul high voltage electrical and electronic equipment irrespective of OEM. We can support operations during repairs and overhauls with an extensive range of hire equipment including substations, transformers and cables.

**Training:** we conduct specialised training sessions and instructional courses related to our custom manufactured electrical equipment, relays and other electronic products including their applications and diagnostic features.

## Conveyor control and communication systems

For overland and underground conveyor installations, Ampcontrol's integrated conveyor control and communication systems provide emergency stop, remote isolation, pre-start warning, intercom and broadcast messaging functionality.

Our conveyor systems have been put to the test with successful installation on some of Australia's longest conveyors.

## Communication systems

Ampcontrol specialise in intercoms, broadcast messaging phones and fibre networks as well as designing integrated communication systems that allow otherwise disparate communication devices to interact with one another.

## Mine wide lighting

From overland conveyor lighting systems designed specifically for remote locations to underground area and machinery lighting, Ampcontrol has a Burn Brite LED or fluorescent lighting solution suitable for any application.





Amcontrol has been manufacturing market leading technology and mining solutions since 1968.

With extensive manufacturing and workshop capabilities in key mining regions, we are uniquely positioned to deliver the greatest possible value to our customers.

From expert engineering resources to the local manufacture of electronics components, fabrication of large scale HV equipment and overhaul and testing of equipment throughout its lifecycle, Amcontrol is a mine wide solutions provider.



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