As an industry leader in electrical, electronic and control solutions, we consistently ensure our products and services meet the expectations of our customers in terms of safety, technical excellence and reliability.

We partner with our customers, working through the design and application challenges unique to their mining operation.

As experts in hazardous area design we bring substantial knowledge and expertise to each project. We combine this with in-house engineering, our own workshops and service capabilities to ensure projects are designed, manufactured, installed and commissioned successfully.

But we don’t stop there. As the OEM, we are focused on optimising the equipment you have invested in and ensuring operational availability. Providing continuity of technical support to ensure equipment runs as it is supposed to, doesn’t break down, is statutory compliant and operated correctly.

With strategically positioned operations in key mining areas around the globe, our highly specialised engineers and service teams are on hand when and where you need them.
Working with you

TECHNOLOGY
Discovering, developing and implementing market leading technology

PROJECTS & EQUIPMENT
Working with customers to solve their design and application challenges

SERVICES
Ensuring equipment runs as it is supposed to, is reliable and compliant
Surface Power Distribution

We understand the unique challenges of critical infrastructure, harsh environmental conditions and remote locations. This enables us to design and manufacture a range of customised high voltage and high current power distribution solutions to suit.

Our range includes products such as modular substations to enable scalability, transportable substations for ease of relocation, packaged switchrooms to minimise siteworks and modular switchyards for ease of site assembly.

To support our products we offer a range of high voltage services including high voltage installations, repairs, maintenance, upgrades and testing onsite or in our workshops.

Transformers

Our robust, custom designed transformers are proven in the mining industry where they are known for their quality and durability.

We design and manufacture oil filled and dry type transformers for underground and surface applications with ratings of 3 to 50MVA and primary voltages up to 132kV.

To support our customers through the transformer lifecycle we provide a range of engineering, testing and maintenance services including oil sampling, testing and diagnostic services, oil regeneration, rewinds and overhauls.

We also offer a comprehensive range of refurbished and reconditioned transformers for short or long term hire and sale.
Underground Power Distribution

We’re industry leaders in the design and manufacture of power distribution systems for hazardous areas. Taking you from the 11kV supply to DCBs, fan starters, load centres, underground substations and longwall electrical packages we ensure that your entire site operates safely and reliably as an integrated system.

We are committed to maintaining efficient and safe operations, optimising performance and ensuring compliance to evolving standards. Through extensive workshop and field resources we can overhaul, upgrade and repair equipment manufactured by us or third parties.

Electrical Protection Relays

We have a proven track record of delivering electrical protection relays that suit the unique system challenges and regulatory requirements of the mining industry. From the most complex electrical infrastructure to the most hazardous environments, our comprehensive range of electrical protection relays provide integrated and individual relay protection for earth leakage, earth continuity, earth fault lockout and frozen contactor.
**Conveyor Solutions**

Our conveyor solutions include emergency stop, remote isolation, intercom, broadcast messaging functionality, automation and control as well as VSD and traditional integrated drive and power distribution systems to maximise productivity and safety on underground and overland conveyors.

Some of the longest conveyors in Australia are monitored using our award winning iMAC monitoring and control solution. This system minimises conveyor downtime and streamlines work processes for remote isolation and emergency stop applications.

**Communications and Networking**

Our safe, reliable communications and networking systems are tailored and specifically designed to be robust and suitable for hazardous areas.

We specialise in intercoms, broadcast messaging, phones, telemetry and fibre networks as well as designing integrated communications systems that allow otherwise disparate communication devices to interact with one another, ensuring vital communications during both daily operation and emergencies.
Lighting

Ampcontrol’s Burn Brite lights are the leading hazardous area lighting solution for underground mines. Built to withstand the arduous conditions underground, our robust solutions are lighting the majority of Australian longwalls, vehicles and a variety of other underground locations.

Environmental Monitoring

As a designer and manufacturer of both site wide gas detection systems and the power reticulation systems they are interfaced with, Ampcontrol is uniquely positioned to ensure successful integration and operation of these systems.

Our systems include the highly reliable, new generation Gasguard 2 gas detectors and Gasguard Live a digital user interface which provides clear visualisation of data, improves maintenance times and ensures compliant record keeping.

Our popular Dieselguard is specifically designed for monitoring, data acquisition and machine shutdown on diesel machines in underground mines.
High Voltage Services

We are committed to supporting our mining customers to maintain and manage the safe operation of their high voltage infrastructure.

From high voltage compliance audits and safety management plans, to repairs, maintenance, upgrades and testing, we’ve got the accreditations and experience to ensure safe and optimal operation of your electrical assets.

Key to fulfilling our commitment are Ampcontrol’s 24/7 high voltage service technicians and electrical engineers who provide support to ensure your high voltage systems are compliant and run at optimum levels.

Our services include:

- Onsite installation, maintenance, repairs and upgrades on all high voltage assets
- Onsite transformer services and electrical testing
- Transformer oil handling, testing, filtration and regeneration
- High voltage engineering and compliance management services
- Protection testing
- Cable testing and fault locating
- Mobile high voltage testing
Underground Mining Services

As Australia’s leading OEM of underground power distribution and electronic equipment, Ampcontrol is committed to supporting our customers in maintaining efficient and safe coal mining operations.

Key to this commitment is our 24/7 Underground Field Service team who provide onsite support and service to ensure your underground electrical and electronic systems are compliant and run at optimum levels.

Our onsite team is backed by specialised engineering resources, a service fleet of vehicles and equipment, as well as strategically positioned workshops across the country, to provide a comprehensive suite of support services to manage and maintain your underground electrical infrastructure.

Our services include:

- Longwall support, end of block upgrades and repairs and longwall relocations
- Conveyor systems and fixed equipment support
- Installation and commissioning assistance, support and coordination
- Inspection and testing including periodic inspections, system testing, SIL system proof testing and validation, and mobile diesel fleet inspections
- AS/NZS 3800 overhaul and pre-overhaul inspections
Ampcontrol’s conveniently located cable shops ensure customer support is always close by. Our experienced workshop technicians and agile field service crews offer comprehensive cable management services from transport and onsite services to workshop based repairs, audits and testing along with the purchase and hire of surface and underground cables.
Overhauls, Upgrades and Repairs

We’re committed to extending the life of your electrical assets, optimising performance and ensuring compliance to evolving standards. Through extensive workshop and field resources we can overhaul, upgrade and repair electrical and electronic equipment manufactured by us or third parties. We have two certified AS/NZS 3800 workshops in Australia and our UK workshop operates under EN 60079.

Automation and Technology Integration

Combining leading edge control systems software, high performance communications and networking, Industrial IT & IoT technologies, our people create best in class solutions to unlock plant efficiency, improve safety and extract maximum value from mining processes and facilities.

By taking a holistic approach to system design, our capabilities extend from electrical engineering and automation, through to complex digital overlays for full visualisation and monitoring.

Our automation and technology integration team use their combined expertise, along with technologies from industry leading vendors, to develop scalable monitoring and control systems for a single piece of equipment right through to complete site wide solutions.