

RELOCATABLE SUBSTATIONS



Amcontrol's relocatable substations are field proven power distribution solutions designed for use on mine sites, utility networks and in industrial environments.

Designed for flexibility of application, our relocatable substations are suitable for powering heavy plant and machinery including draglines, shovels and drills in coal, metalliferous and sand mining operations.

The high voltage switchgear can be located on the roof structure of the switchroom with the isolator and earth switch operating mechanisms located on the side of the room at an ergonomic height. Other equipment can form part of the integral design such as circuit breakers and current and voltage transformers which complete the package.

The custom designed on board switchroom is manufactured to adapt to various applications and voltages. Typically, medium voltage switchgear is located in the weatherproof switchroom and customised to suit the application which incorporates the latest technology in protection, metering and PLC/SCADA control. Operator safety and a 2 hour equivalent fire rating are also built into the design along with OH&S considerations.

Specific designs are available to comply with industrial and mining regulations and standards. A custom designed on board switch room is manufactured to suit the various applications.

FEATURES

- Factory tested in a controlled environment
- Walk in switchroom
- Reduced site installation time
- Mounting options including skid base or crawler tracks for easy relocation and manoeuvrability
- Customised electrical and mechanical design to meet exact application requirements and relevant standards
- All-in-one design



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amcontrolgroup.com



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Product detail

- Primary voltages of 6.6kV to 66kV
- Secondary voltages of 6.6kV, 11kV or 22kV
- Cladding options to suit aesthetic and environment considerations

Crawler tracks (optional)	Allow for easy relocation and also reduce ground bearing pressure. The tracks are a free wheeling pivoting type. Levelling jacks are fitted to either side of the unit, with plated integral pushbar at rear and pivotal towbar fitted to the front.
Switchroom	Custom designed for each application, particularly the room size, explosion vent area, arc fault containment and ergonomics to ensure operator safety. The switchroom is free standing and attached to the base by resilient mounts. Front and rear access doors are provided.
Fire detection system (optional)	A proprietary fire detection and suppression system can be fitted. Also included is an audible alarm, warning signs and extinguishers.
High voltage switchgear	HV switchgear is positioned on the roof of the switchroom with the operating mechanisms located on the side of the room allowing easy access for personnel. The HV circuit breaker can be mounted on the front or rear of the substation. Surge diverters are mounted on the incoming supply and the load side of the isolator.
Medium voltage switchgear	MV switchgear is customised to suit the application and incorporates the latest technology in protection metering and SCADA control. Specific designs are available to comply with industrial and mining regulations and standards.

