

Underground power and drive skids, tested before they go down the shaft.

Underground electrical problems show up where drives, distribution, controls, and contractors meet. Madison Industrial Group engineers, builds, factory-tests, and supports skid-mounted MV and LV power and drive systems as one integrated package, so the mine deals with one accountable supplier, and we solve the interfaces in our shop, not underground.

What Goes on the Skid

MV drive skids: MV VFDs (4.16 kV) with input protection, transformer or active-front-end options, cooling, and controls.

LV drive and MCC skids: LV VFDs, MCCs, and motor control for auxiliary fans, pumps, and conveyor drives.

Mine-power skids and portable power centres: MV distribution, transformation, switching, and protection.

Controls and integration: PLC, remote I/O, and network integration with the mine's control system.

How We Deliver

Design: Electrical and mechanical design around your application, loads, and shaft, cage, and ramp limits.

Build: Fabrication and integration in our shop, with full documentation.

Test: Factory acceptance testing before anything ships.

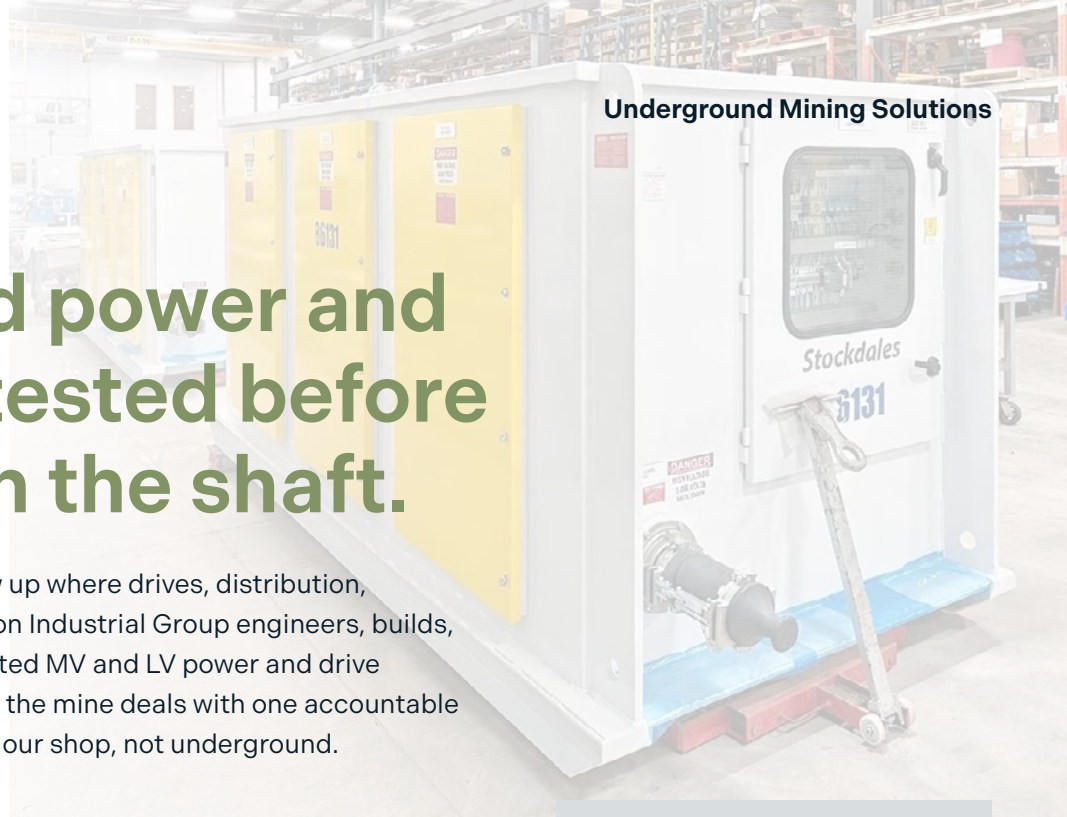
Commission: Site commissioning and start-up support.

Support: Troubleshooting, spares, repair, and motor and drive service across Canada.

Built For:

- Main and auxiliary ventilation
- Dewatering and pumping
- Underground conveying
- Mine-power distribution
- Expansions and new levels
- Replacing aging underground equipment

Underground Mining Solutions



Why Madison Industrial Group

One accountable integrator across LV and MV: Interface risk sits with us rather than with the mine.

Technology-flexible: We select the right drive and distribution technology for the application, working with leading manufacturers.

Proven underground: Stockdales brings decades of underground mining electrical experience, with Arrow Speed Controls' drive and enclosure capability and Western Integrated's systems and electrical execution.

Works within your project: Experience in EPCM and owner-led project environments.

Request a concept review

Send us your application, loads and voltage, shaft, cage, or ramp dimensions, site conditions, and timeline. Partial information is enough to start.