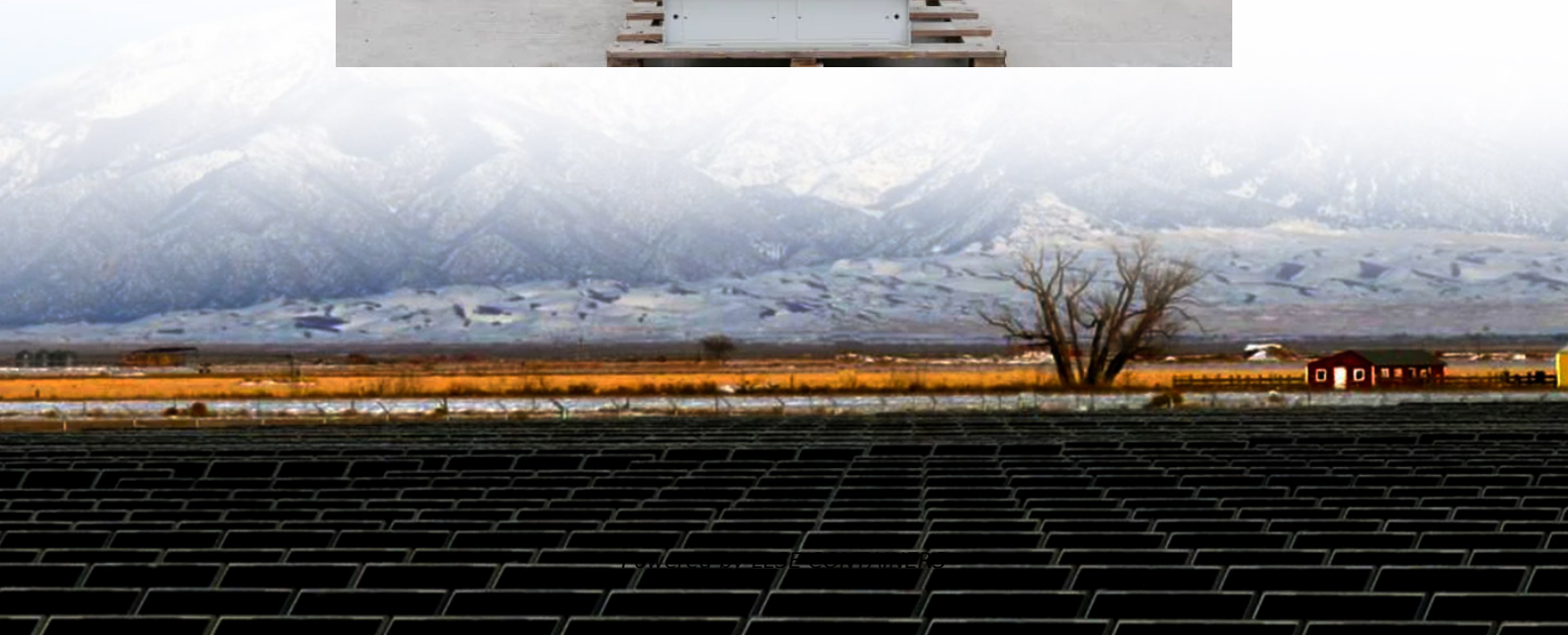


Built-in power supply for mining wind power base station





Overview

Who designs mining power systems?

Traditionally, mining power systems have been designed by engineering companies (EPCs) and/or mining sector end-users using their knowledge of the industrial process and their experience from previous projects.

What is a base load plant?

A base load plant naturally acts as the primary or only power supply to a mine. In base load operation, the number of operating hours typically exceeds 4000, while the number of start-ups remains below 50 per each generating set.

What is the best architecture for Energy Management and control?

The recommended architecture for the energy management and control system of the mine is based on EcoStruxure™ Power. On the Edge control layer, the solution will use Power SCADA Operation (PSO) for power management and control, with advanced Power Monitoring Expert (PME) reporting and dashboards embedded within the PSO.

What is the recommended architecture for the process automation of the mine?

The recommended architecture for the process automation of the mine is based on EcoStruxure™ Hybrid DCS. This system combines the management of fieldbuses, instrumentation, intelligent connected devices, operator stations, engineering stations, and alarm management in a scalable, powerful automation platform.



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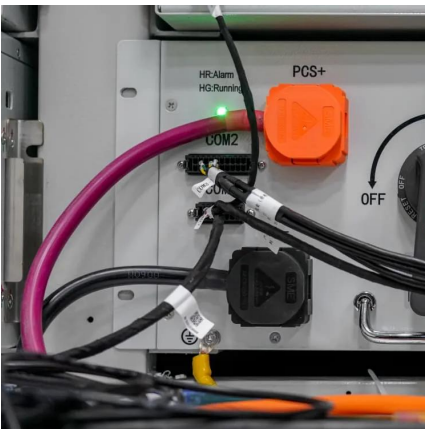
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