**FEATURES**

The Centralized Blasting System is modular in design. It consists of:

- A Centralized Control Box which is installed on surface,
- Several Centralized Section Boxes (one for each level/section),
- Centralized Blasting Boxes located at blasting points throughout the mine.

The outgoing supply cable is independently fed from inter-level cable during the monitoring mode and enables easy fault finding. Information and data downloading occurs within the blasting boxes. The system operates over a wide supply voltage range of 160-250VAC.

**SAFETY FEATURES**

- Central point for blasting (centralized blasting), with the blasting signal power available from only this one point (surface control room).
- Can be individually isolated from the supply cable network using the key switch.
- Unit will only fire if connected to a CBS
- The firing key is removable in the OFF position only, ensuring that unauthorised firing cannot take place.
- Blasting Box enclosure cannot close with firing key in position.
- Firing cannot be initiated when either a cable fault or an alarm is set.
- The cable fault and alarm condition must be cleared prior to switching to ready mode.
- If main is interrupted at any time the alarm light and buzzer will be activated until the reset button is pressed.

**PRODUCT DESCRIPTION**

The BME Electric Centralized Blasting System (CBS) provides continuous near real-time local system monitoring with remote access monitoring capabilities. The continuous monitoring feature built into the system ensures that an up-to-date Centralized Blasting System status and overview is available. This feature greatly improves the pre- and post-blasting decision making process. It also provides section and/or level isolation and data information from the connected blasting boxes. Continuous outgoing monitoring of the downstream blasting boxes for short circuit and earth leakage detection.