

# Long Distance Application Controls

## Why BTI?

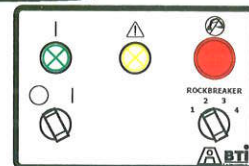
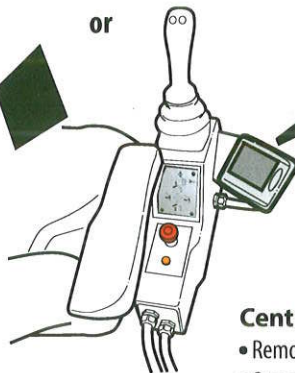
- OEM controls for OEM machine
- Customized program and interfacing for site process integration and safety requirements
- High quality control and video, no delays
- Build for harsh environments (mining)

### Central Control Room IP Surveillance



### Optional Dual Grip Remote (in place of seat controls)

or



### Central Control Room

- Remote control - Control multiple rockbreakers (selector switch for 4 rockbreakers)
- One operator runs multiple crushing stations
- Better and safer operator utilization - away from underground hazards
- Long distance control 100m up to 40 km.
- Remote monitoring of rockbreaker and power pack

### Ergonomic Seat Joystick Control

Data transmission via fiber optics, Ethernet or fieldbus

### Local Control Station

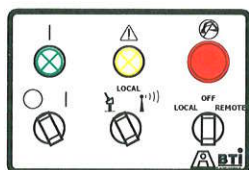
- Stand-alone and independent local control system
- Local monitoring and diagnostics of system
- Permits remote control via Local/Off/Remote selector switch



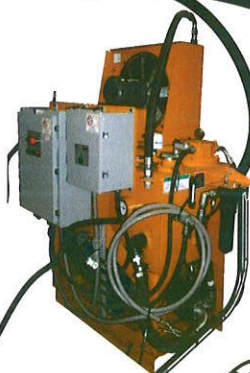
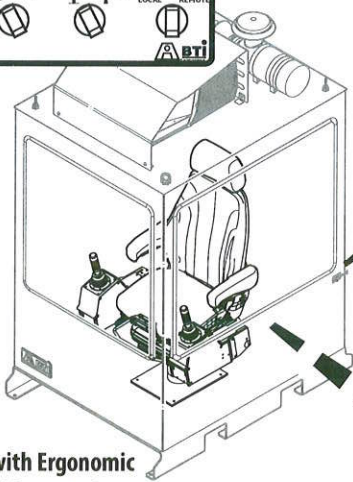
### Camera and Microphone

### Camera System (per rockbreaker system)

- Three Ethernet IP cameras; colour, auto focus, auto iris, digital PTZ (pan tilt zoom), outdoor rated
- Control panel c/w PoE Ethernet Switch dedicated for cameras only
- Camera software included
- Typically 1 monitor per rockbreaker, 2 minimum
- 1 desktop PC per remote control station



### Cab with Ergonomic Joystick Control



### 1 Rockbreaker System

### Joystick Control Stand



### Portable Control



30300-ENG-0714

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