

## MINING COMMUNICATION SOLUTIONS

Mine Site Technologies Pty Limited (MST) is a global leader in mining communications. We have been operating for over 20 years and are a dynamic, growing organisation with an ongoing commitment to innovation, safety and productivity.

Communication solutions are core to our product range. We have established close working relationships with major mining companies around the world. Our technologies have been installed in over 350 mines in Australia, Africa, China, Europe, North America including Canada and the USA and South America.

Integrated Communications

**ICCL**  
Cap Lamp



A breakthrough in personal safety and productivity

**IMPACT**  
Digital Communications



The future of mining communications through the convergence of technologies

Saves Lives

**PED**  
Saves Costs



Reliable mine wide communication

**TRACKER**  
Tagging System



A tracking system for underground mines

INFINITY SERIES 2

**VDV**

Leaky Feeder Radio System



Quality underground line amplified Communication systems

### SYDNEY

25-27 Whiting Street  
Artarmon NSW 2064 Australia  
PO Box 156, Artarmon 1570  
Tel: +61 2 9437 4399  
Fax: +61 2 9437 5688  
mst@minesite.com.au

### KALGOORLIE

17 Darcy Lane  
West Kalgoorlie WA 6430 Australia  
PO Box 4200, Kalgoorlie 6430  
Tel: +61 8 9022 2300  
Fax: +61 8 9022 2311  
mstwa@minesite.com.au

### MOUNT ISA

15 Duke Street  
Mt Isa QLD 4825 Australia  
PO Box 2436, Mt Isa 4825  
Tel: +61 7 4749 4922  
Fax: +61 7 4749 4933  
mstisa@minesite.com.au

### MACKAY

Tel: +61 408 656 860  
Fax: +61 7 4954 3999  
mst@minesite.com.au

MST offices also located in Sudbury & Edmonton, Canada, Salt Lake City and Denver, USA.

**WWW.MINESITE.COM.AU**

Front page images courtesy of Atlas Copco and Joy Manufacturing. Zoo2/7269MS



## Global Leader in Mining Communications



Complete personal and data communication solutions

- ULF / VHF / UHF / Microwave
- Analogue and Digital

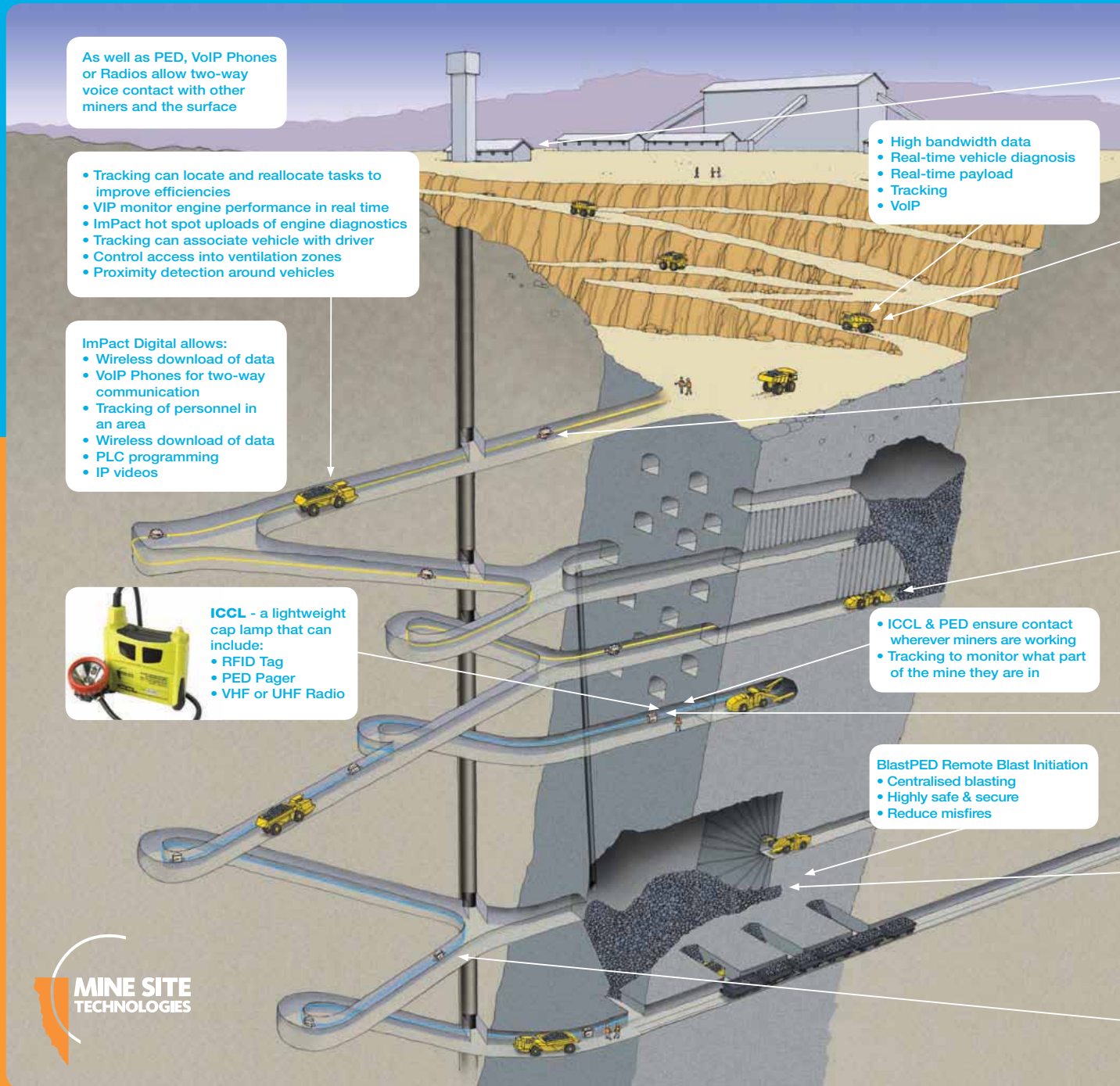
for underground coal and hard rock mines and open pit surface operations.

For more information regarding our Hard Rock Mine communication solutions, refer to the illustration overleaf.

WWW.MINESITE.COM.AU



# Production & Safety – Communication Solutions for Hard Rock Mines



## Surface Control Room

- Data into ERP systems
- Dispatch System data
- Mine planning software information
- Maintenance scheduling



## Wireless Mesh for Open Pits

- Rajant BreadCrumbs
- High speed, high bandwidth
- Highest QoS available
- Negligible latency
- Negligible network loss when routing



## VDV Leaky Feeder Radio

- Two-Way Voice
- Telemetry
- Robust Line Amps



## Vehicle Intelligence Platform (VIP)

- Real time engine diagnostic downloads
- Real time payload data
- Data logging
- Proximity detection by detecting RFID Tags



## ImPact Digital Communications

- 802.11 Wi-Fi Network for underground
- Tracking via RFID Wi-Fi Tags
- VoIP telephones
- IP Video Camera
- Rajant BreadCrumbs
- Hotspot for VIP diagnostic downloads



## PED Emergency Communications

- The only through-the-earth mine comms system
- Mine wide paging
- Emergency warning
- Remote blast initiation
- Remote equipment switching



## Tracking

- Real time location of personnel and equipment
- Asset management
- Safety in knowing where people are
- Proximity detection around vehicles via VIP
- Resources allocation