

STI Engineering

Communications & Electronics Engineers

incorporating



RF Innovations
Leaders in Wireless Data



Minelink

www.stiengineering.com.au

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Minelink

- Allows wireless connection with the mining fleet for diagnostic purposes
- Automates the download and distribution of vehicle information
- Improves safety by eliminating personnel and vehicle interaction
- Improves efficiency by freeing up resources used to manually download machine information
- Provides timely information for planning maintenance and repairs

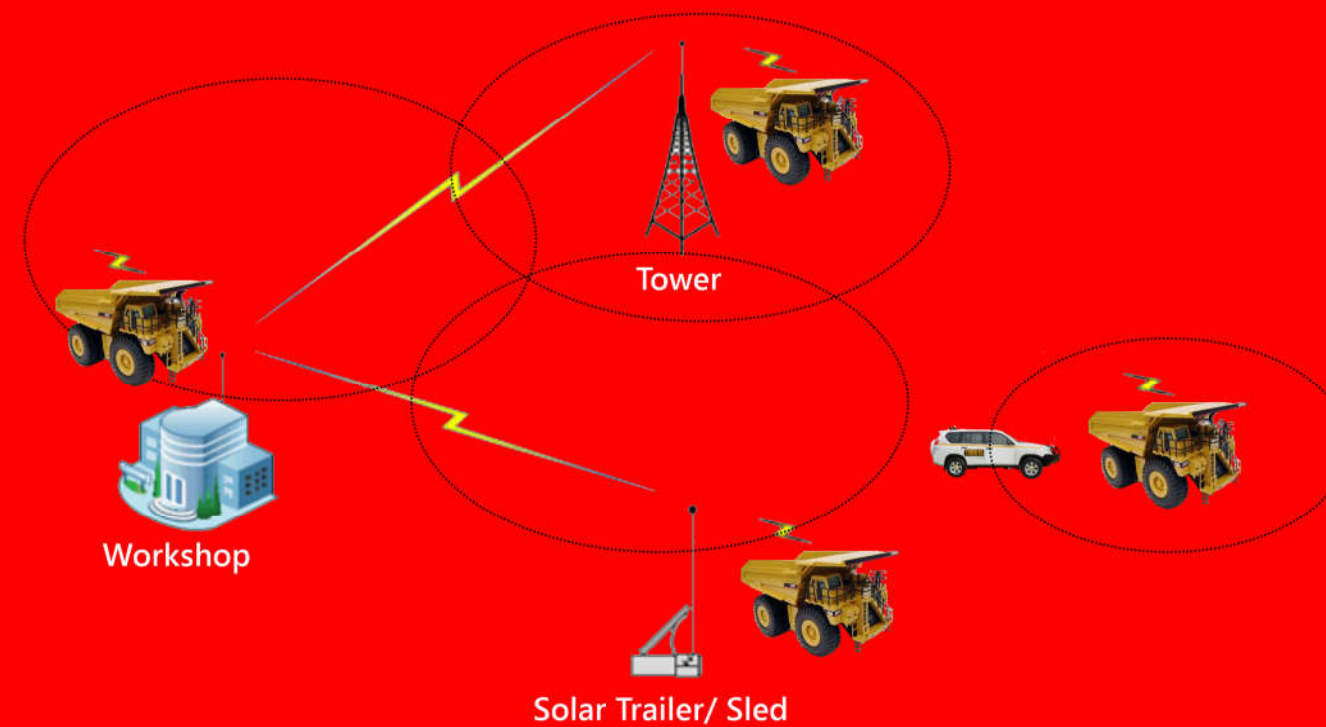
Connection Mechanisms

- Wide Area Automatic
- Wide Area Manual
- Localised Manual

Compatibility

- VIMS 1
- VIMS 2
- VIMS 3
- VIMS 4
- VIMS 10.4
- VIMS 10.5 (piggyback)
- VIMS 3G
- Komatsu VHMS
- Liebherr (in development)

Overview



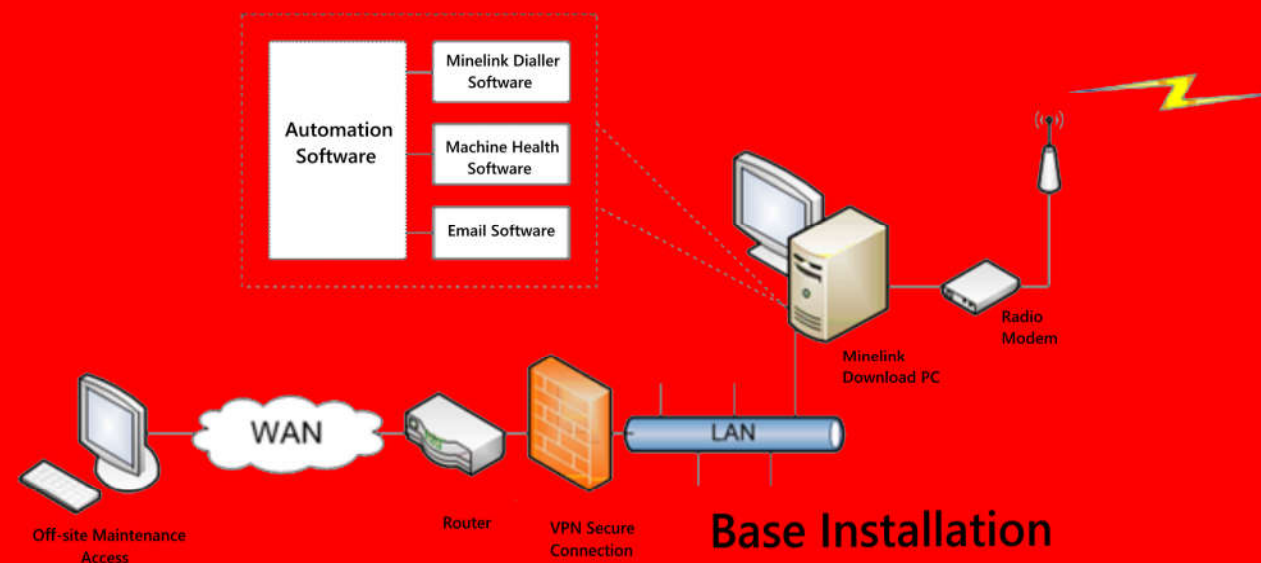
Vehicle Unit



- IP67 vehicle unit
- Ruggedised antenna and data cables
- Cut out switch for manual download
- Field proven in the mining environment
- More than 500 installations

System Components

- Base Installation
- Dialler Software
- Automation Software
- Repeaters
- Vehicle Unit



System Diagnostics

- Dialler and automation diagnostics logging
- Diagnostics emails sent for maintenance purposes
- Alert emails for critical download issues
- Daily/monthly/yearly trending for system optimisation

Minelink Benefits

- Wide-area coverage
- Automated information download
- Minimises operational downtime
- Maximises parts lifetime
- Reduce safety issues eliminating operator and workshop interactions for vehicle downloads
- Reduce manual downloading and distribution man hours by 60 minutes per vehicle per download cycle (field downloads average)
- Clear vehicles from workshop 20 minutes earlier (no download required before/after work)
- Obtain more timely vehicle information (vehicles are not missed due to end-of-shift or staff leave)
- Increase vehicle availability (catch vehicle alarms and maintenance issues that would have been missed)



STI Engineering Pty Ltd is a communications and electronic engineering company. We specialise in the design, development and manufacture of electronic devices and communications technology for the industrial environment. The company was incorporated in 1994.

STI Engineering is the manufacturer of the RF Innovations range of licensed & license-free data radios, paging transmitters and customised communications products.

We offer a wide range of services from research and consulting to proof-of-concept development, detailed design and full commercial development through to low volume manufacturing or production handover.