Battery-powered Wireless Network for Tracking, Texting & Telemetry

Solutions

Ground stability monitoring

Air quality monitoring

Personnel tracking

Two-way emergency communications at the working face

Post-accident two-way communications and tracking

Perimeter security and intrusion detection

Condition-based maintenance of machinery

Production management

Ventilation on demand

Features

No wires for power or communications: wireless nodes last YEARS on small batteries!

Backhaul to surface over both standard leaky feeder and/or fiber backbone infrastructures

Everybody underground is able to add, move or completely relocate network nodes dynamically

915 MHz frequency hopping RF enables wireless nodes to provide the best non-line-of-sight coverage

Sensors are also battery-powered repeaters, effectively increasing the number of nodes in the mesh network and therefore its resiliency

If an area of the mine is isolated after a cave in, communications can be re-established by dropping a network probe down a bore hole

Open architecture to interface with 3rd party applications

Authorized Distributor:

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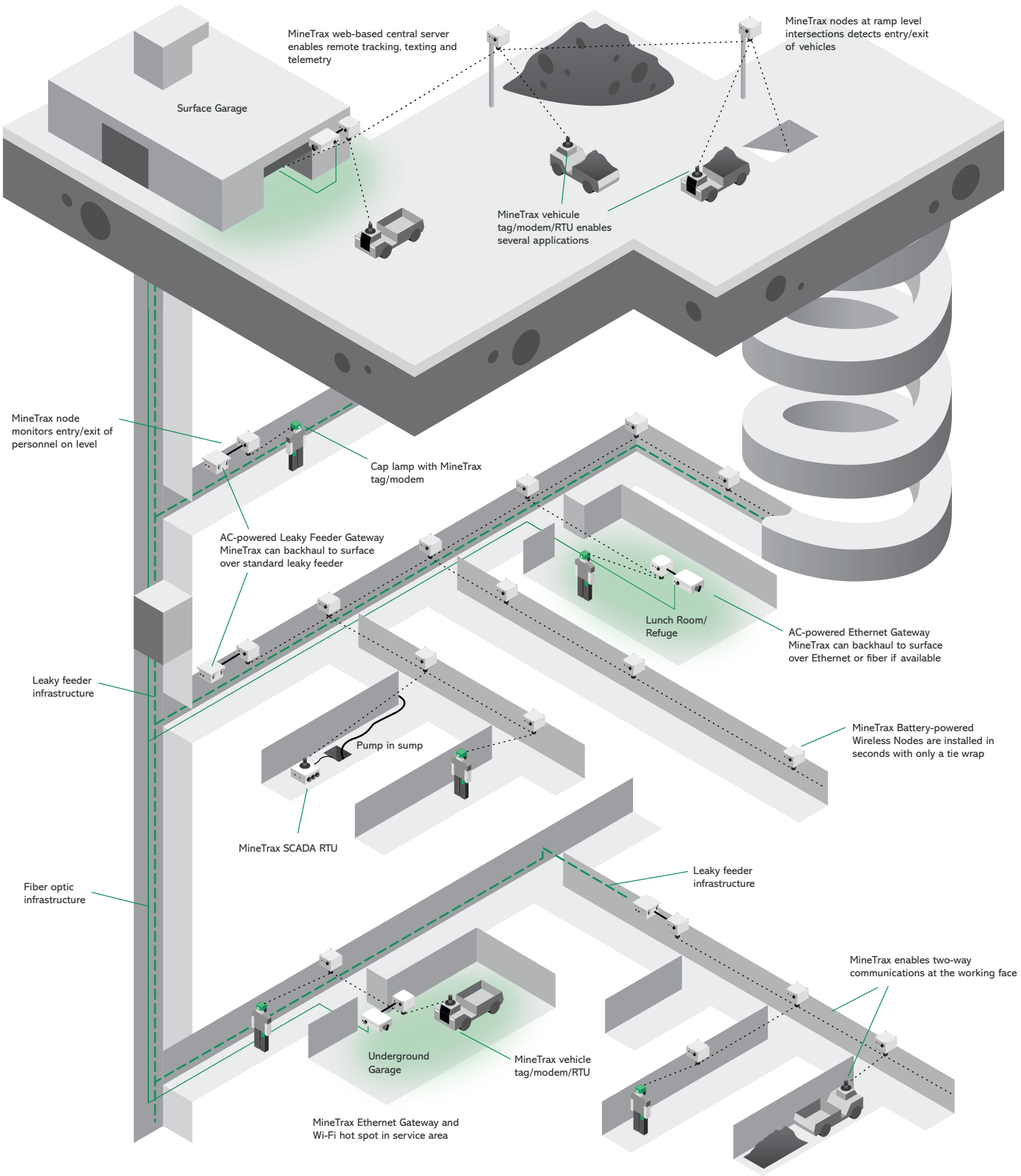

Leaky Feeder cables: analog or digital voice at 150 or 450 MHz

Fiber optic cables: high speed data backbone

RS-232 cables: used to connect MineTrax node to MineTrax gateway

Wi-Fi hotspot: line-of-sight wireless high-speed data at 2.4 GHz

MineTrax wireless: tracking, texting and telemetry at 915 MHz

MineTrax® by Newtrax

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