



# TX9999



# CommTrac Wireless Nodes

## Features

- Wireless gas detection, communications and tracking network for use in mining and tunnelling
- Fully wireless
  - Wireless mesh network with no hard wired backbone
  - No requirement for an existing communications infrastructure
  - Self-healing
  - In built redundancy
- Every component underground is Intrinsically Safe
- Battery operated using commercially available batteries
  - No external power supply
  - Always on and operating
- Easy installation
  - Simple pick and place installation of nodes
  - No hard wiring
  - No antennas to set
  - Self forming routing scheme
- Self monitoring
  - Automatic system checks/network health, battery life, node failure and quality of service



Wireless communication node 



## Benefits

- Huge cost savings through:
  - No cables, wires or fibre installations
  - No cumbersome external antennas
  - Rapid pick and place installation
  - Easy advancement and expansion
  - Self-forming, self-healing and self-monitoring
  - No power connections or battery back-up
  - No fuse replacement
  - Minimal maintenance
  - Proven functionality



