DIGITAL DRIFT

BRIDGING POWER & DATA TO THE EDGES OF YOUR MINE

POINT-TO-MULTIPOINT PoE DISTRIBUTION

STRATA WORLDWIDE

POWER | CONNECTIVITY | DEPLOYMENT

DIGITAL DRIFT

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Digital **DRIFT**™ is a Power-over-Ethernet (PoE) solution to overcome the constraints of typical communication networks.

- Difficulty of LAST MILE - power and connectivity
- Limited availability of power stations
- Long distances between end-point devices as a result of typical fibre cable lengths
- Complicated networks that require certified technicians
- Systems that are expensive to extend, maintain and repair
- Extensive pre-configuration and pre-planning for underground communications layout

Digital **DRIFT**™ is a network of high quality, robust coaxial cable that carries both power and high-speed digital data to and from industrial Ethernet devices anywhere in your mine.

GOT FIBRE?

Digital **DRIFT**™ is fully interoperable with your existing fibre network and is an ideal solution for extending connectivity beyond the reach of fibre as well as isolated and/or temporary work areas.

CAPABILITIES

- Wi-Fi access
- Voice communication
- Environmental monitoring (air-flow, pumps, fans)
- Gas detection
- Video surveillance
- Backhaul from ore-drive to surface
- Tele-remote operation
- Fleet management
- Refuge station connectivity

BENEFITS

- Power and data in single cable*
- Dedicated medium
- Flexible and changeable cable lengths – no premium for short runs
- Up to 2000m without a repeater or dedicated power source
- Power injected at any point
- Flexible placement of end-point devices along the cable
- Simple to reconfigure layout and change end-point device locations
- Not proprietary to brands of end-point devices
- No need for skilled technicians – fully manageable by on-site personnel
- Save time in basic planning, easy installation and low maintenance
- Remotely manageable
- Recover and redeploy devices as mining progresses

* Direct Current (DC): 24 to 60 volts DC
Up to 1 Gbps physical layer speed; typical end-to-end TCP throughput = 400-700 Mbps

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