

# StrataConnect™ DigitalBRIDGE™

BRIDGING POWER & DATA TO THE EDGES OF YOUR MINE



**POINT-TO-MULTIPOINT PoE DISTRIBUTION**



**POWER | CONNECTIVITY | DEPLOYMENT**

### DigitalBRIDGE™ is a Power-over-Ethernet (PoE) solution to overcoming 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 fiber 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

DigitalBRIDGE™ 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 FIBER?

DigitalBRIDGE™ is fully interoperable with your existing fiber network and is an ideal solution for extending connectivity beyond the reach of fiber 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 6500 feet (2000m) without a repeater or additional 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
- Fully manageable by on-site personnel
- Save time with basic planning, easy installation and low maintenance
- Fully recoverable

\* Direct Current (DC): 24 to 60 volts  
Typical speeds: 900Mbps @ 3200ft (1km); 600Mbps @6400ft (2km)