

# SPECIAL RISK TELEMETRY AND FIRE DETECTION SOLUTIONS

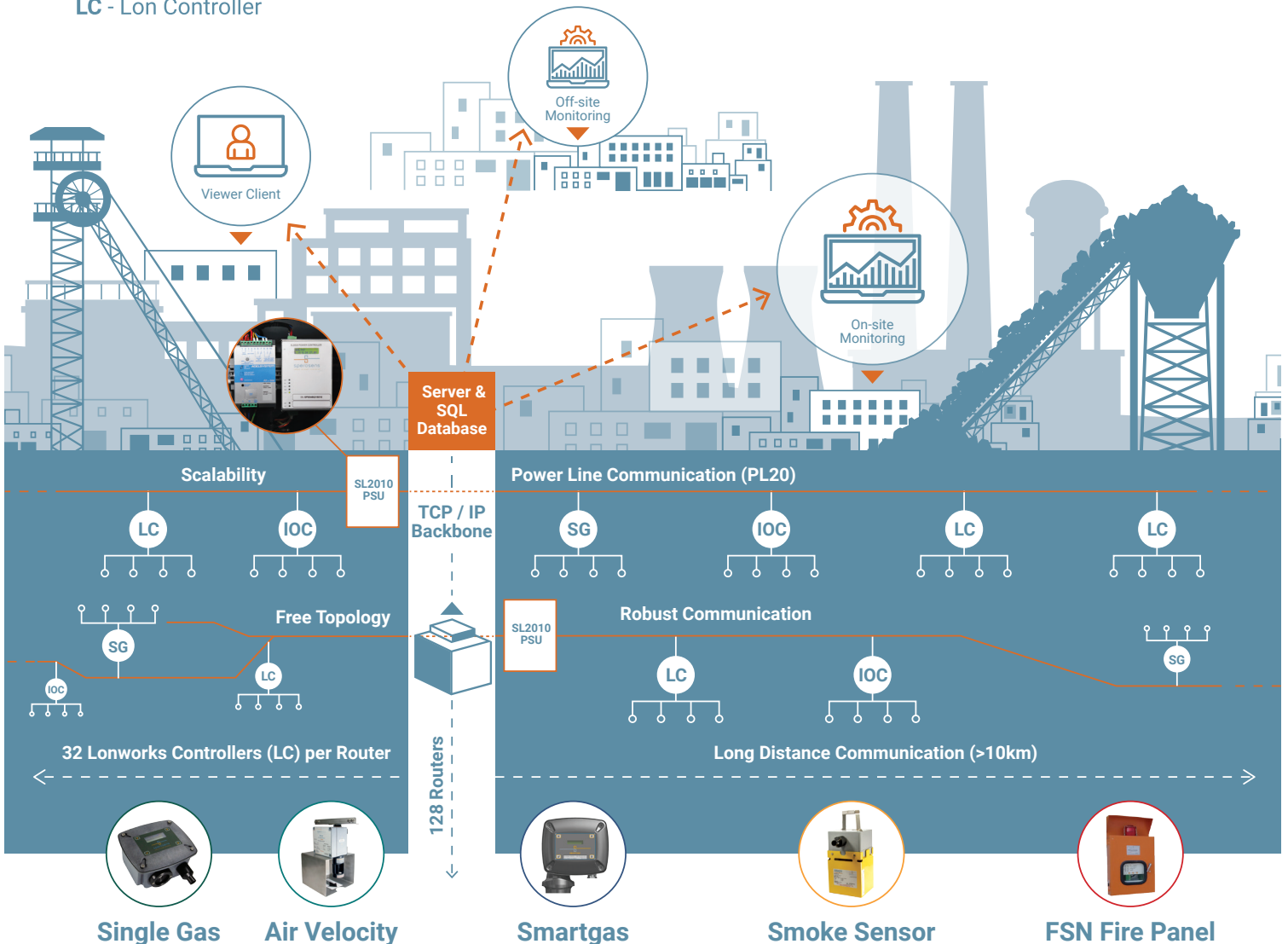
## SL2010

Environmental Monitoring Telemetry System • Fire Detection

SG - Smart Gas

IOC - Input/Output Controller

LC - Lon Controller



The SL2010 Telemetry solution captures, stores and displays data and information is available by remote web access.

The SL2010 Telemetry System provides underground data communication in the mining industry and is mostly utilised as an underground Environmental Monitoring and Fire Detection Solution.

The network is based on LonWorks® technology and implemented as free topology. It is custom configurable and expandable based on specific mining layouts.

### APPLICATIONS:

Environmental monitoring such as CO Gas, CH<sub>4</sub>, O<sub>2</sub>, H<sub>2</sub>S, air flow, air temperature, humidity and smoke  
Fire Detection  
Status monitoring i.e. ventilation door open/close  
Monitoring of dam levels and pump status  
Substation monitoring for currents, voltage protection and relay status  
Conveyor belt monitoring

Cognisant of blast times  
Configuration of multiple alarm values  
Mine graphical lay-out display  
Customised fine tuning of system parameters  
Visual information data display  
Real-time watch dog monitoring adds precautionary actions  
Fully compatible with Lonworks devices  
Events linked to automated SOP's (Service Operating Procedure)  
Early and Late blasting reports  
Shaft Clearance for safe re-entry

### CAPABILITIES AND BENEFITS:

Proprietary Fire Detection algorithm  
Harsh terrain environmental monitoring  
Free topology  
Ultra-long distances achievable  
Powerline communications  
Toxic gas monitoring  
Flammable gas monitoring  
Ventilation monitoring  
Remote sensor configuration  
Advanced trending and reporting

#### **SMS Messenger:**

*SL2010 SMS notification system can transmit any new alarm or maintenance event via SMS to pre-set cellphone numbers*

### FOR MORE INFORMATION:

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