



MINING INDUSTRY SOLUTIONS



PRODUCT RANGE

WE OFFER A BROAD AND EXTENSIVE PRODUCT RANGE

We have built strong relationships with leading manufacturers and have a unique position as a multi-brand distributor of electrical, automation, electronics, and mechanical parts

Here is a snapshot of our most popular global and local brands:



ELECTRONICS COMPONENTS, POWER & CONNECTORS

- Batteries & Chargers
- Connectors
- Displays & Optoelectronics
- Passive Components
- PCB Prototyping
- Power Supplies & Transformers
- SBCs, Arduino & Development Tools
- Semiconductors



ELECTRICAL, AUTOMATION & CABLES

- Automation & Control Gear
- Cables & Wires
- Enclosures, Storage & Material Handling
- Fuses, Sockets & Circuit Breakers
- HVAC, Fans & Thermal Management
- Lighting
- Relays
- Switches



MECHANICAL PRODUCTS & TOOLS

- Abrasives & Engineering Materials
- Adhesives, Sealants & Tapes
- Facilities Cleaning & Maintenance
- Fasteners & Fixings
- Hand Tools
- Plumbing & Pipeline
- Pneumatics, Hydraulics & Power
- Transmission
- Power Tools, Soldering & Welding



IT, TEST & SAFETY EQUIPMENT

- Computing & Peripherals
- Facilities Cleaning & Maintenance
- Office Supplies
- Personal Protective Equipment & Workwear
- Security & Ironmongery
- Site Safety
- Test & Measurement





SENSORS



Lifting and boosting station

1 XMLA or XMX Pressure Sensor

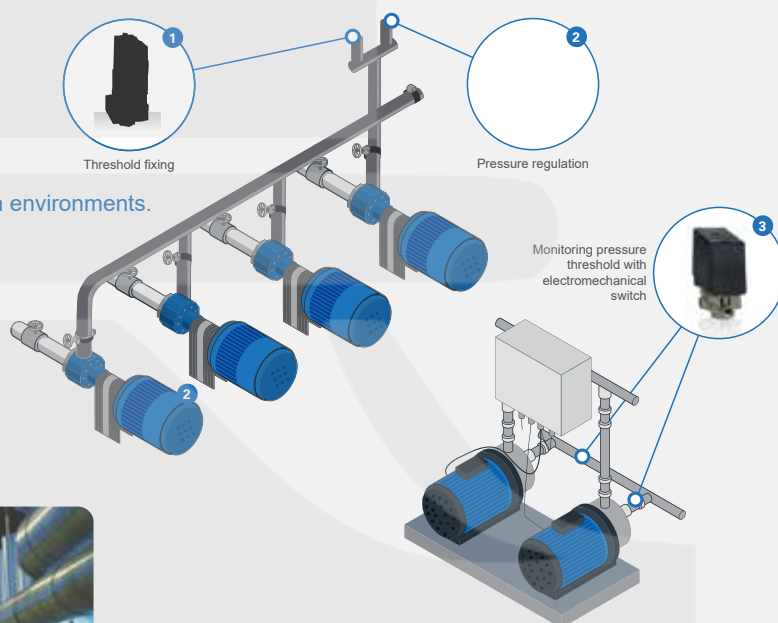
Simple regulation between two thresholds; XMLA designed for harsh environments.

2 XMLR Pressure Switch

Easy, two-button configuration.

3 XMP Pressure Sensor

Direct power switching up to 3 kw.



Telemecanique
Sensors

CP2E Compact PLCs

- A Micro PLC for compact equipment where Price/Performance ratio is a key, while supporting data collection and Machine-2-Machine communication



Touch-Screen HMI Display

- High-performing HMI display used to monitor machines
- Perform tasks and visualise operational status
- Can be used as a stand-alone device, offer communication ports
- High precision four-wire resistive touch-screen, and excellent communication stability.

Soft Starter

- Intended to start and stop asynchronous motors supplied from 208V to 690V. It meets the requirements of the most demanding applications in normal and heavy duty.



Schneider
Electric

FLEXIS Flexi Soft

- The Flexi Soft safety controller can be programmed via software.
- Thanks to the modular hardware platform, Flexi Soft provides a tailored and efficient solution for a whole host of safety applications.
- A wide range of modules are available: main modules, gateways, digital and analog input/output modules, Motion Control modules, as well as relay modules. The license-free Flexi Soft Designer configuration software enables intuitive programming, rapid commissioning, and continuous diagnostics down to the automation level. Functions to enable safe controller networking, safe series connection, or safe drive monitoring reduce costs and boost productivity. A whole host of additional functions means that Flexi Soft is able to bridge the gap to system solutions from SICK.

SICK



M262 Logic Controller

- The M262 Logic/Motion Controller is a control system that offers an all-in-one solution for motion applications and a scalable solution for logic applications, with optimised configurations and an open, expandable architecture
- 7 remote and 7 local I/O expansion modules
- With a real time clock
- LED signalling



Operating Panel Interface

- Small footprint with space-saving dimensions of 124.6 (L) x 107.6 (W) x 59.5mm (D)
- Wide operating temperature range of -20°C to +55°C for compatibility with hot and cold settings
- 12 inputs and 8 outputs for connection with numerous I/O (input/output) devices
- Energy-efficient so saves on power consumption



Schneider
Electric



Temperature & Humidity Sensor, Digital Output

- Battery powered, long range sensor platform leveraging the benefits of LoRaWAN and Bluetooth low energy (BLE) Connectivity's.
- Small, rugged form factor contains superior RF performance and multiple sensor capabilities including open-closed detection alongside temperature and humidity, making it a perfect fit for cold chain applications.
- Mounting style screw mount



Laird
TECHNOLOGIES

SHT4xI Digital Humidity Sensor

- Digital sensor platform for measuring relative humidity and temperature with different accuracy classes.
- The sensors can be interfaced via several preconfigured I2C addresses with I2C fast mode plus and CRC checksum.
- Temperature accuracy of up to $\pm 0.2^{\circ}\text{C}$



SENSIRION
THE SENSOR COMPANY

TE Connectivity Pressure Sensors

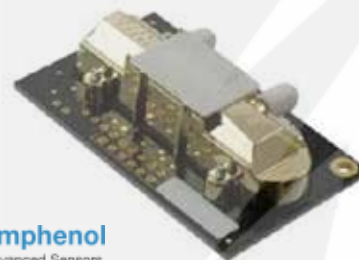
- Small ceramic-based pressure transmitter for PCB mounting
- TE Connectivity Pressure Sensor IC is a small, ceramic based, PCB mounted pressure transducer from TE Connectivity.
- PCB Mountable



TE
CONNECTIVITY

TELAIRE T6615 2-Channel CO2 Sensor Module

- Designed to integrate into existing controls and equipment for use in instrumentation and applications up to 50,000 ppm.
- Quick, easy and efficient monitoring.
- Enhanced stability, accuracy and reliability



Amphenol
Advanced Sensors



HPMA Particle Sensors

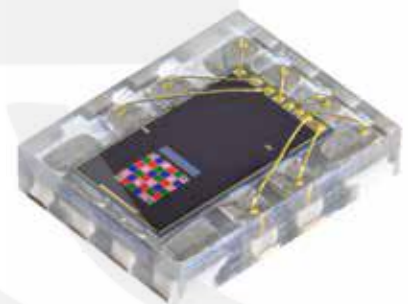
- Laser-based, fully calibrated sensor that can be detected by light scattering.
- Detects and counts particles
- EMC: Heavy industry level according to IEC61000



Honeywell

ALS Farbsensor

- Features ambient light and colour sensing, proximity and flicker detection with five concurrent ambient light sensing channels as red, green, blue, clear, and wideband.
- Ultra-high ALS and colour sensitivity
- 50/60 Hz ambient light flicker detection channel



OSRAM



Electric makes energy green. Digital builds a smart future. Automation makes the process efficient.

Integrated operations center

- Centralized control and analytics distribution:
 - Electrical distribution
 - Process automation and control
 - Process simulation and optimization
 - Integrated asset performance
 - Production management
 - Value chain management

Rail to port

- Power distribution: MV, LV, switchgear, monitoring, analytics, etc.
- Process automation and control: PLC, DCS
- Unified supply chain visibility: real-time information and analytics
- Immersive training, AR integrated workforce

Processing/Water treatment plants

- Power distribution: MV, LV, switchgear, monitoring, analytics, etc.
- Process automation and control: PLC, DCS
- Process simulation and optimization
- Integrated operations analytics: digitized asset performance, maintenance, and production
- Immersive training, augmented reality, integrated workforce

Drill/Blast/Mine

- Optimized power distribution: MV, LV, switchgear, e-House, monitoring, analytics, etc.
- Microgrids, renewables, and sustainability financing
- Maintenance workshops
- Accommodation camp
- Data centers
- Immersive training, AR, integrated workforce



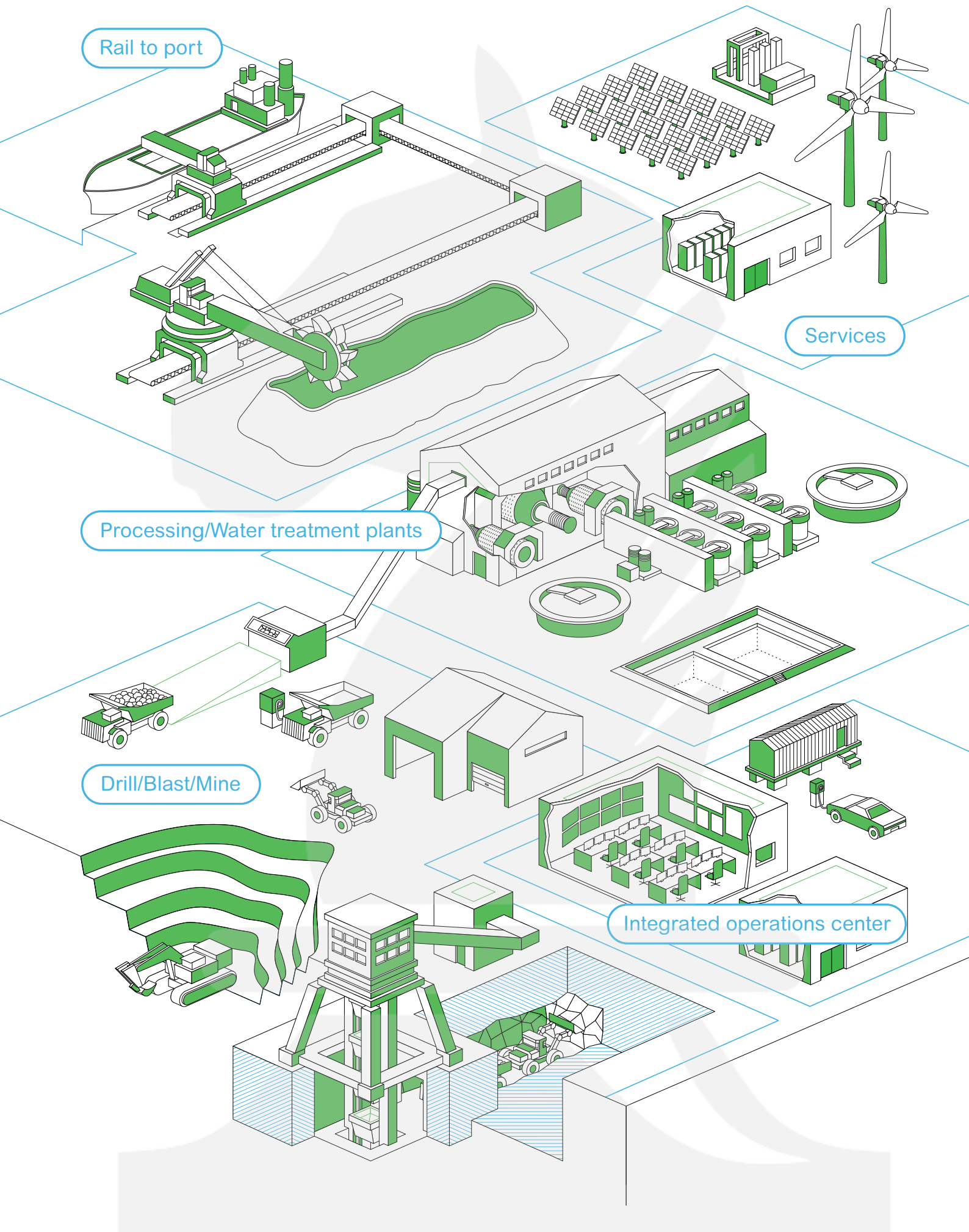
Rail to port

Services

Processing/Water treatment plants

Drill/Blast/Mine

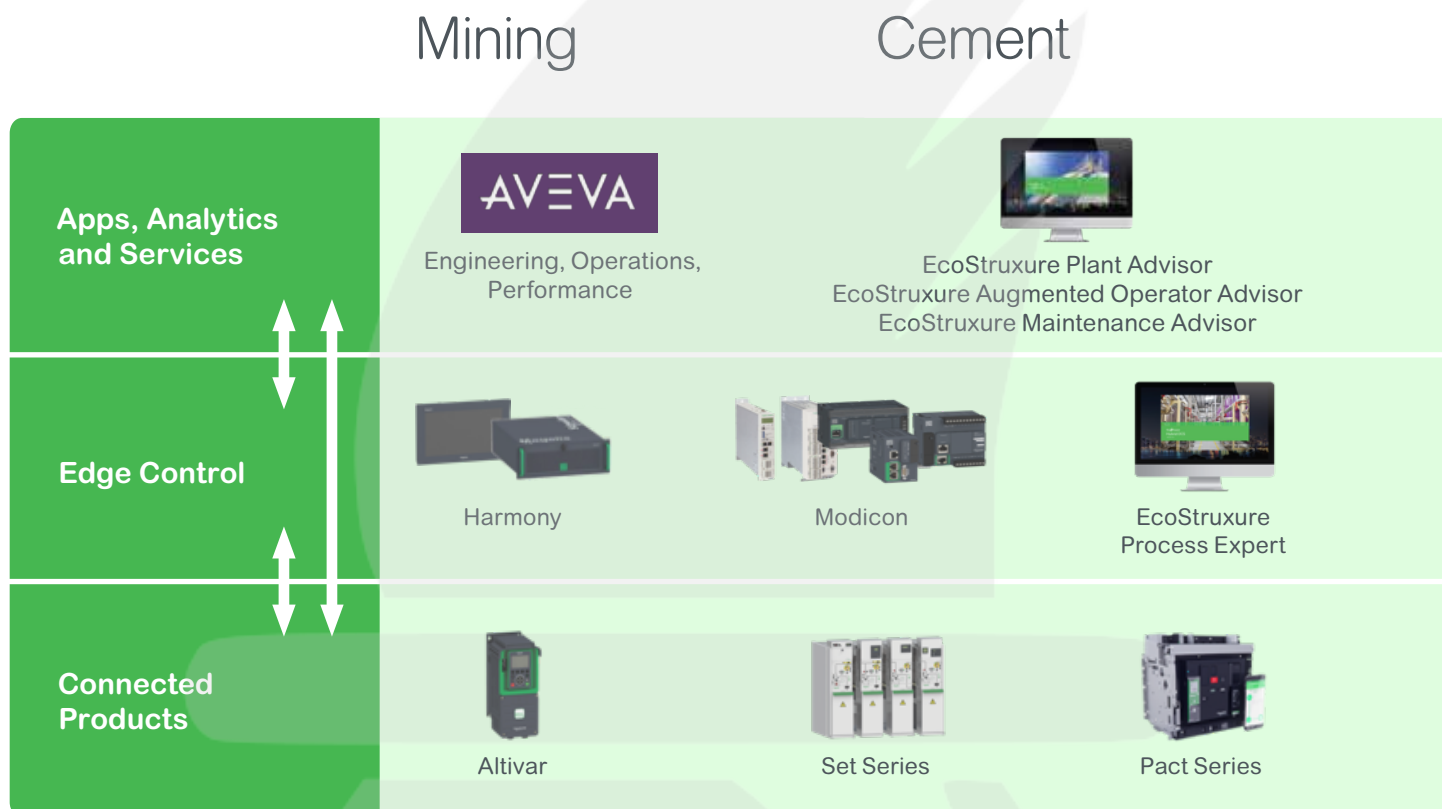
Integrated operations center



End point to Cloud

Connecting field data to enterprise systems and a cloud-based integrated operations center

EcoStruxure™ is IoT-enabled, open, and interoperable architecture that creates collaborative environments that connect field-enterprise



* The Schneider Electric industrial software business and AVEVA have merged to trade as AVEVA Group plc, a UK listed company. The Schneider Electric and Life is On trademarks are owned by Schneider Electric and are being licensed to AVEVA by Schneider Electric.



SUSTAINABLE TECHNOLOGY

Buzman offers a range of sustainable products that can help you to with energy conscious solutions.

**FLUKE®**

Fluke Acoustic Imagers

- 7 inch 1280 x 800 LCD with capacitive touchscreen
- Blended live SoundMap™ with visual image
- Lower utility costs, reduce leak detection time and improve reliability in your production line
- Do more with the same air compressors – delay the capital expense of purchasing an additional compressor

**FLUKE.**

Altivar Process Variable Speed Drives

- Offers your business optimisation, real-time intelligence and provides the efficiency that you deserve.
- The Altivar Process Drive gives you extensive flexibility in water, wastewater, mining, minerals, metals as well as oil, gas, food and beverages.

**Schneider
Electric**

Solar Panel Connector

- IP67 connectors designed to meet the stringent requirement of Photovoltaic installations
- Equipped MC-Multilams on the plugs make a very low contact resistant
- Central fixing hole for tying to structure.

**STÄUBLI**

Mining Solutions

Fluke Solutions for Mining, Engineering, and Maintenance Professionals.

The mining industry covers a wide range of operations, both above and below ground, such as coal, precious metals, non-precious metals, other minerals, and aggregates, sand and stone. People who work in the mining industry know how unforgiving and potentially dangerous these environments can be. It is critical to maintain stable, continuous operations without sacrificing safety or quality.

Electrical Engineer

Issues faced:

- System maintenance and testing
- Consistent, quality power delivery from utility or local power generation
- Building, system, and machine downtime prevention

Fluke solutions:

- Fluke Connect®
- Multifunction Process Calibrators
- Process Test Tools
- Pressure Gauges and Calibrators
- Power Quality Analysers
- Insulation Testers
- Earth Ground Testers
- Digital Multimeters
- Insulation Multimeters



Mechanical Engineer

Issues faced:

- Equipment installation
- Preventative maintenance, and repairs
- Determining optimal machinery replacements

Fluke solutions:

- Fluke Connect
- Infrared Cameras
- Vibration Tester



Process Calibration Tools

Electrical Test Tools

Multifunction Process Calibrators	Pressure Gauges and Calibrators	Process Test Tools	Power Quality Analysers	Earth Ground Testers	Portable Oscilloscopes	Power Loggers	Clamp Meter
 754 726	 700G 729Pro	 773	 1777	 1625-2 Kit	 MDA-550	 1738	 378 FC

Fluke makes rugged, reliable, quality tools mining professionals can count on. Tools designed for the mining environment, the professionals who work there, and the challenges they face every day.

Maintenance Engineer

Issues faced:

- Uptime of systems and equipment
- Quality control
- Maintenance expense
- Personnel safety

Fluke solutions:

- Fluke Connect
- Power Quality Analysers
- Digital Multimeters
- Infrared Cameras
- Vibration Tester
- Compressed Air, Gas and Vacuum Leak Detection

Electrician

Issues faced:

- Downtime prevention
- Safety, energy maintenance, and troubleshooting
- Power and control installation

Fluke solutions:

- Fluke Connect
- Power Quality Analysers
- Insulation Multimeters
- Insulation Testers
- Clamp Meters
- Digital Multimeters
- Power Loggers
- Infrared Windows

			Vibration and Industrial Imaging Tools					Air Leak Detection
Insulation Multimeters	Insulation Testers	Digital Multimeters	Expert Infrared Cameras	Professional Infrared Cameras	Infrared Windows	Vibration Tester	Acoustic Imager	
								
1587 FC	1555	28 II EX AU	TiX580	Ti480PRO	CV Series	810	ii900	

Fluke 754 Multi Function Calibrator

- Calibrate temperature, pressure, voltage, current, resistance and frequency
- 3 operating modes: measure; source; simultaneous measure/source
- Easy-to-follow, menu-driven display which guides users through tasks



Fluke Ti480 PRO Thermal Imaging Camera

- 640 x 480 infrared resolution
- Increased sensitivity to visualise temperature differences
- More intuitive visual interface, improved, user-tested, touch screen interface
- Get 4x the pixel data with SuperResolution, which captures multiple images and combines them to create a 1280 x 960 image



FLUKE

FLUKE

Fluke 117 Handheld Digital Multimeter

- VoltAlert Technology for integrated non-contact voltage detection
- AutoVolt feature for automatic AC/DC voltage selection
- LoZ: Low input impedance to eliminate stray voltage
- Large white LED backlight



Fluke 1770 Series Three-Phase Power Quality Analysers

- Automatically measure power and power quality parameters
- At-a-glance power quality health for faster troubleshooting
- Easily view V/A/Hz, power, dips, swells, and harmonics data
- Capture high-speed transients up to 8 kV



FLUKE

Fluke 810 Vibration Meter

- On-board identification and location of most common vibration mechanical faults reducing downtime.
- Fault severity scale with four severity levels helps you prioritize maintenance work
- Repair recommendations advise technicians on corrective action
- On-board context-sensitive help provides real-time tips and guidance to new users
- 2GB expandable onboard memory provides enough space for your machinery's data
- Self-test function ensures optimal performance and more time on the job



Fluke 789 ProcessMeter™

- 0-20 mA DC current source/loop calibrator/simulator with auto and manual step/ramp
- Offers HART mode setting with loop power and a built-in 250 ohm resistor
- Provides all standard DMM capabilities including V, A, Hz, Diode test and continuity



FLUKE

FLUKE

