



**DELIVERING
ELECTRICAL
PRODUCT
INNOVATION**



PARTNER BRANDS AND PRODUCTS

2023 - 2024

National Edition

Newcastle • Sydney • Wollongong • Canberra • Queensland • South Australia • Victoria • Western Australia • Tasmania • Northern Territory

COLTERLEC™ ELECTRICAL ENGINEERING PRODUCTS

Colterlec understands that our stakeholder needs and expectations are diverse. To ensure we continue to add value to your business and enable you to seamlessly run and grow your operations, we have made some exciting changes over the last year.

Our name continues to reflect the extensive knowledge and experience of our people to service your power, automation and process needs. We have invested in our people to expand into new areas, so that we can partner with you now and into the future.

Colterlec have established an experienced and knowledgeable team to deliver engineered product solutions and training. Our experienced account managers and technical specialists take a consultative approach to deliver you the right results.

Our customer service team delivers efficient service for pricing and availability, order processing and technical sales support.

For many years, we've maintained a strong reputation in the industrial electrical engineering space and will continue to do so. We are also expanding into new regions to provide easy access to best-in-class power products, industrial networks and sensing and automation technologies, with dedicated technical specialist support. Our team has the knowledge, expertise and dedication to provide recommendations that will assist in delivering your business objectives.

We appreciate your business and look forward to providing you with the highest level of service, support and application know-how.

Grant Turner,
Group Managing Director

PHONE: 1300 36 26 26

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TASMANIA

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VICTORIA

NEW OFFICE AND WAREHOUSE SPACE
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OUR BRANDS



PARTNER BRANDS AND PRODUCTS

Crompton
INSTRUMENTS

Crompton Instruments

The Crompton Instruments range represents one of the largest product offerings of power measurement, control, protection and instrumentation for switchgear and generator set manufacturers, panel builders, OEMs and utilities.

Crompton Instruments products offer proven reliability across a diverse array of industries including power generation, process control, renewable energies, test and measurement, utility, marine, defence and energy management applications.

- Integra Digital Metering
- Kilowatt Hour Energy Meters
- Transducers
- Protector Trip Relays
- Meter Relays
- Digital Indicators
- Analogue Meters
- Current Transformers
- DC Shunts





Powering Business Worldwide

Switchgear and Automation

Eaton is a global leader with expertise in power distribution and circuit protection, power control devices, automation, and engineering services.

Eaton offers a variety of protection devices, including the latest innovation in Arc Fault detection to protect against electrical ignited fires, available in the AFDD+ range of circuit breakers.

Eaton Bussmann Series

Eaton Bussmann Series fuses play a major role in industrial or commercial facilities by providing reliable, maximum protection to power systems.

Their physical size or rejection features prevent replacing a fuse with one from another fuse class. This helps ensure the correct replacement fuse is always installed and the voltage and interrupting ratings remain the same.



Eaton MTL Range

Eaton MTL products are used in all types of location, both hazardous and general purpose, from offshore oil and gas platforms, power production plants and petrochemical installations to pharmaceuticals, telecommunications and other manufacturing plants.

Eaton MTL products are recognised as the world leader in Fieldbus power systems and wiring components, Intrinsic Safety interfaces and surge protection techniques as well as being a leading authority in Industrial Ethernet, and HMI / Visualisation for safe and hazardous locations.

- MTL SUM5™
- MTL Intrinsic Safety
- MTL Signal Conditioning
- MTL HART Interfacing
- MTL Fieldbus
- MTL Industrial Ethernet
- MTL Industrial Security
- MTL Industrial Wireless
- MTL HMI and Visualisation
- MTL Surge Protection
- MTL Process Alarm Equipment



PARTNER BRANDS AND PRODUCTS



Excalibur Enclosures™

Excalibur Enclosures™ is an industry leader in the manufacture and supply of a diverse range of electrical enclosures and value-add solutions. All products are designed in-house utilising the latest modelling software and advanced manufacturing techniques. Value-add wired solutions and turnkey project packages are also available.

- IP66 Stainless Steel Enclosures
- IP66 Mild Steel Enclosures
- IP66 PVC Enclosures
- Wall Mount Enclosures
- Visible Break Isolators and Local Control Stations
- Push Button Stations
- Terminal Boxes
- Junction Boxes
- Instrument Panels
- Valve Panels
- Control Panels
- Marshalling Panels
- PLC Panels
- Cabinet Ventilation and Cooling Systems
- Custom Made IP66 Enclosures
- Hazardous Area Enclosures
- Locking Systems
- Filter Fans



FLUKE®

Fluke

Fluke is the world leader in the manufacture, distribution and service of electronic test tools and software. From industrial electronic installation, maintenance and service to precision measurement and quality control.

Electrical Testers

Fluke's line of electrical testers and voltage detectors are designed for use in every application and in nearly any environment.

From non-contact voltage detectors and voltage testers with continuity detectors, to open-jaw current testers and open fork these testers are accurate, safe and easy to use. You'll also find motor phase rotation testers, fluorescent light testing, voltage meters and installation RCD testers.

Thermal Cameras

With Fluke thermal cameras you can detect issues before they become problems. Designed for everyday use, in the toughest industrial environments, Fluke offers infrared cameras for a wide range of applications

Power Quality

Fluke Power Quality and energy management tools are designed to assist in capturing the power quality and energy data needed to maintain the best performance and reliability. These tools make it possible to identify your power quality and energy efficiency issues with easy and effective recording and analysis.

Fluke Process Instruments

Fluke Process Instruments offer a range of temperature measurement solutions such as infrared temperature sensors, pyrometers, IR linescanners, process industrial imaging systems and thermal profiling systems.

Calibration and Process Tools

Fluke Calibration is a leader in precision calibration instruments, equipment, service and software for electrical, RF, temperature, pressure and flow measurements. In the process tool range, you can find Loop Calibrators, Milliamp process meters, as well as pressure and Temperature Calibrations.



PARTNER BRANDS AND PRODUCTS



Fortress Safety

Fortress Interlocks designs and manufactures customised robust safety equipment to ensure employees are safeguarded from dangerous machinery in hazardous workplaces.

mGard

The only range of mechanical interlocks independently certified to PLe. Designed, tested and TUV approved for use in Category 4/PLe safety control systems.

amGardpro

Heavy duty safety locking with PROFI-safe and CIP Safety safety gate switches with connectivity and trapped key integration certified to PLe.

amGard S40

Stainless steel modular safety gate switches independently certified to PLe. The range is modular in design, allowing a wide range of safety interlock switches to be configured to suit many industrial applications.

tGard

The machine guarding solution that can be quickly specified from a range of catalogue elements to meet any requirement, independently certified to PLd.

NcGard

A complete range of non-contact safety switches ideal for machinery safety applications where space is limited. All switches are resistant to shock and machine vibrations.

Frank Industrial Access

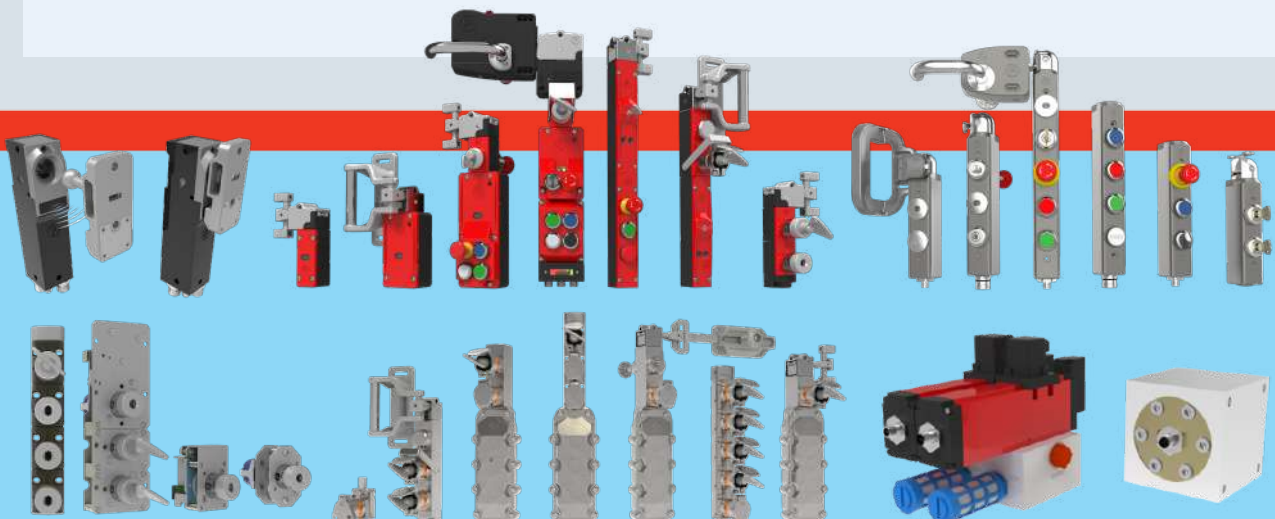
Controlling access to spaces and processes. Prevent line shut down and unauthorised access from entering safeguarded spaces.

Fluidsentry

Safety monitored valves and pressure sensors for fluid power applications, up to and including PLe, SIL 3 and Category 4 requirements.

Alfred

Robust, heavy duty interlocking devices used to provide safe access and control for a variety of machinery in hazardous locations and explosive atmospheres.




**MARECHAL
ELECTRIC**

Marechal Electric

For nearly 70 years Marechal® has been the brand of low voltage electrical connectors designed, manufactured and controlled in France in strict compliance with the requirements of international standards (IEC and UL).

Thanks to the butt-contact technology, the dozens of patents (filed in more than 50 countries) and the choice of the highly advanced materials, Marechal® connectors are the most reliable in the world.

They guarantee the best safety for users and equipment in accordance with the requirements of IEC/EN International standards (IEC/EN 60309-1 : IEC/EN 60309-4). They are available for Non-EX and IECEx environments (IECEx) Areas 1, 21, 2, 22.

- Separable Switch Disconnecter (from 2 to 6 poles - 40 A)
- Decontactor™ = Plug + Industrial Switch (up to 250 A)
- Multicontact Sockets (up to 37 contacts)
- Industrial Connectors (up to 600 A)
- Single Pole Connectors (up to 1250 A with pilots)
- Socket, Distribution, Break-Out, Junction Boxes



PARTNER BRANDS AND PRODUCTS

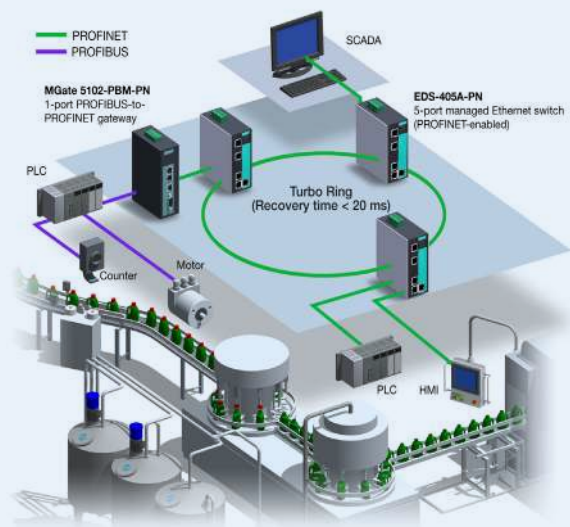


Moxa

Moxa provides a full spectrum of quality products for industrial networking, computing, and automation.

Our products have connected over 30 million devices worldwide in a wide range of applications, including factory automation, smart rail, smart grid, intelligent transportation, oil and gas, marine, mining, cybersecurity and IIoT.

- Ethernet Switches
- Wireless LAN
- Cellular Routers and Modems
- Ethernet Gateways
- Serial Media Converters
- Fieldbus Gateways
- RTUs and Remote I/O
- Rugged Panels PCs and Displays
- IIoT Edge Gateways and Computers (Microsoft Certified)
- Industrial Computers





ERICO

nVent ERICO is a leading global manufacturer of superior engineered electrical facility protection products.

Gain peace of mind that your facility and your people are protected by one of the world's largest and proven electrical protection specialists.

nVent ERICO electrical grounding, bonding and connectivity products provide an integral approach for lightning protection, grounding, bonding and surge protection.

- Grounding and Bonding
- Lightning Protection
- Cadweld Exothermic Connections
- Surge Protection

ERIFLEX

nVent ERIFLEX is a leading global provider of low-voltage power distribution and grounding solutions that reduce total installation cost and increase design flexibility of electrical systems.

Our products connect and protect our customers' systems in facilities where the cost of failure is high. We help customers enhance productivity by simplifying installation and minimising downtime during operation.

- Flexbus System
- Busbar Supports
- Busbar Clamps and Connectors
- Flexible Busbar and Tools
- Flexible Power Braids and Shunts
- Grounding and Bonding Braids
- Distribution Blocks
- Power Terminals



PARTNER BRANDS AND PRODUCTS



OmegaLec

OmegaLec is an Australian-owned business engaged in the design, manufacture and marketing of quality power conversion and electronic products.

Omegalec products are solution based and engineered to suit almost any application. The analistic approach offers the customer the precise solution complete with backup support and peace of mind.

Transformers

Isolation; high current/voltage; single and polyphase; epoxy encapsulation; 10VA ~ 350kVA; transformer testing and protection solutions and rectified types for lifting magnets.

Power Supplies

Bench top laboratory style; specialised programmable; high voltage outputs and inputs; 110Vdc ~ 1kVdc regulated and Modbus TCP options.

Battery Chargers

Specialist multi chemistry types; fully programmable; DC UPS types and Modbus TCP options.

Converters

Frequency changing; single to three Phase; DC to AC inverters; DC to DC converters and DC to 415V/1000 Volts three phase.

Equipment Repairs and Design

Obsolete replacement solutions; PCB manufacture and design; microprocessor programming; power supply and battery chargers and turnkey electronic projects and design.

Substation Battery Tripping Units

Compact DC UPS; battery backup systems; battery monitoring systems; large range; VRSLA and LiPo options; customisable; high level communications and capacitor trip units.

Resistors

Neutral earthing systems; test resistors; load banks; adjustable high and low power types.

Test Equipment

Injection testers; high current; high voltage; programmable; custom based portable or fixed and motor test centres

Testing Services

Circuit breakers; battery chargers; power supplies; transformers; temperature rise and fault / failure analysis.



PHOENIX CONTACT

Phoenix Contact

Phoenix Contact is the worldwide market leader of components, systems and solutions in the area of electrical engineering, electronics and automation.

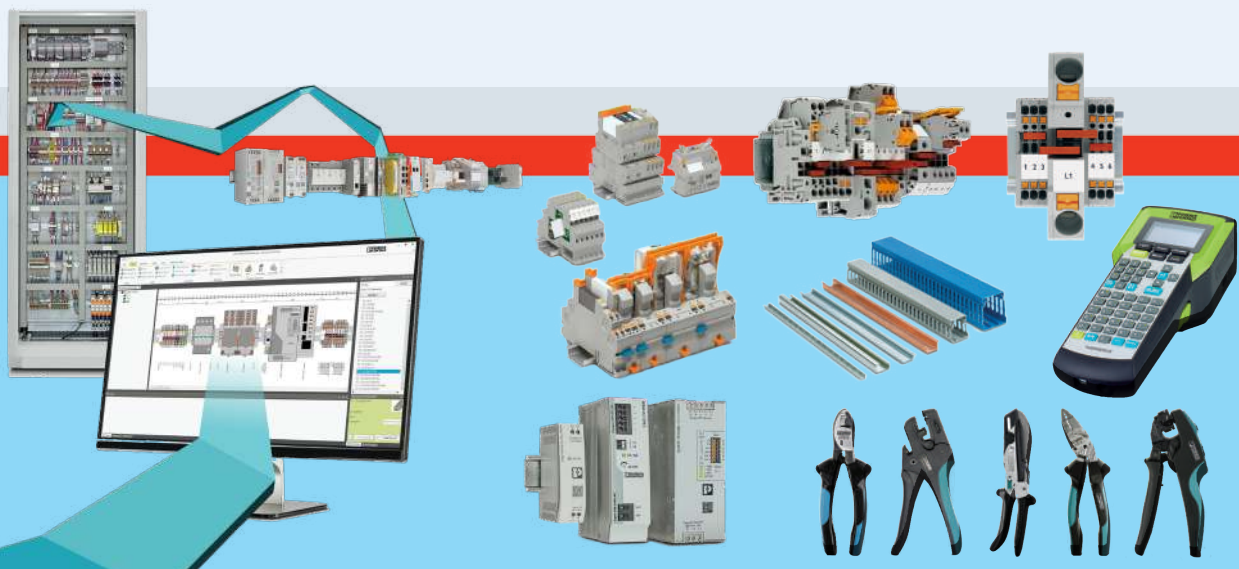
With over 60,000 products, Phoenix Contact offers an innovative portfolio of industrial electro-technology - the best connections "from sensor to the controller." From the classic terminal block to splash-proof machine connectors and wireless ethernet, our products power, protect, connect and automate systems and equipment.

From design to manufacturing, customer sales, technical support and value-added services, Phoenix Contact builds the highest quality into its products, processes and business relationships.

- Terminals and Terminal Blocks
- Sensor/Actuator cabling and Connectors
- Marking Systems, Tools and Mounting Material
- Power Reliability, Power Supplies and Circuit Breakers
- Interface, Monitoring and Switching Devices
- Automation



Experience Phoenix Contact's unparalleled five star offering.



PARTNER BRANDS AND PRODUCTS



Schneider Electric Process Instrumentation

With a 100-year tradition of excellence and innovation in flow measurement, the Foxboro by Schneider Electric brand of magnetic, vortex and Coriolis technologies and accessories offers a complete breadth of accurate, reliable and worry-free flowmeter solutions.

Measurement

Discover a globally unique portfolio of innovative and reliable measurement devices to increase the efficiency of your process plants.

- Pressure Transmitters
- Volume Flow
- Process Liquid Analytical
- Temperature Transmitters and Sensors
- Level Measurement

Instrumentation

Accurate, reliable pneumatic, valve positioners, recorders and controllers instruments complement the measurement devices you use to operate your plant.

- Process Valves
- Industrial Products
- Valve Positioners

Wireless Instrumentation

Monitor your field devices at a distance and receive variable measurement through wireless instrumentation. Allows for extended reach between your wireless sensor network and your operations network. Ideal for any application where process variable measurement is hard to reach or to install or requires huge cost for wirings.

- Data Logger
- Battery Powered Wireless Sensor Networks
- Tank Level Monitoring
- Instrument Area Network



VERSA

DISTRIBUTION BOARDS

VERSA

VERSA distribution boards are designed and built in Australia for all domestic, commercial and light industrial applications.

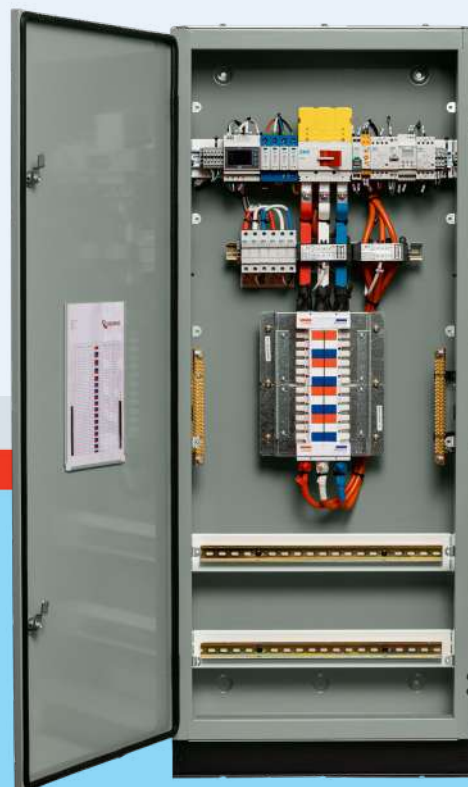
It offers unique versatility for adaption to most specifications or site standards. Meeting AS/NZS 61439 compliance and an indoor IP54 rating, the VERSA is well equipped to meet your requirements.

Features

- Designed, Tested and Manufactured to AS/NZS 61439
- IP Tested and Rating IP54
- Made to order and custom arrangements available
- Available in X15 Orange and N42 Grey
- Can accept a various range of circuit breaker brands
- Lighting and Controls Circuits as required
- Multi-Tiered arrangements as required
- Top or Bottom Entry

Optional Extras

- Surge Protections (nVent ERICO or other)
- Metering (Crompton Instruments or other)
- Additional rows of DIN rail (with or without escutcheon cut outs)
- Plinth
- Cable Duct
- Hinged Escutcheon (standard is lift off)
- Removable Gland Plates Top and Bottom
- Reversible Hinged Door



PARTNER BRANDS AND PRODUCTS



WEG

WEG is a global leader in the design and manufacture of low and high voltage electric motors, variable speed drives, variable frequency drives, soft starters, controls, panels, transformers, and generators.

Soft Starters

- **SW05 Plus** is a compact and economical soft starter with motor protection intended for light load applications. Ratings up to 45kW.
- **SSW07** is a simple to use, general purpose soft starter with multiple starting and stopping modes and inbuilt motor protection with adjustable trip class. Ratings up to 220kW.
- **SSW900** is an advanced and fully featured Soft Start, motor protection solution intended for the most demanding of industrial applications. Ratings up to 800kW (line) and 1,200kW (inside delta).

Variable Speed Drives

CFW300 is a compact and economical single in, three out drive for applications requiring precise control. OEM market. Ratings up to 3kW.

- **CFW500** is a general purpose machinery drive, IP20 or IP66, designed to deliver simplicity and user-friendly interface. Safe Torque Off options also available. Single and three phase options with ratings of up to 110kW.
- **MW500** is an IP66 decentralised motor mount drive. Single and three phase options with ratings of up to 7.5kW.
- **CFW701** is an IP55 HVAC Drive ideally suited to pump and fan applications. Wall mount reduces install costs and minimises start up time. Single and three phase options with ratings of up to 110kW.
- **CFW11** is a fully featured systems drive intended for the most demanding of industrial applications. Available in 415V or 690V, IP20 and IP55, with ratings up to 2000kW.
- **CFW900** is a high-tech VSD for driving and controlling three-phase induction and permanent magnet motors.

Packaged Solutions

Also available through Colterlec, 'Soft Start and Motor' or 'VSD and Motor' packaged solutions. Call 1300 36 26 26 for more details.



The Signal Conditioning Specialists

A.P.C.S.

A.P.C.S.

Since commencing operations in 1982 APCS has become the leading Australian designer, manufacturer and supplier of reliable signal conditioning modules that have been installed across a wide range of applications including processing operations, factories, transport, building automation, mining, power generation, marine, research, environmental and primary production.

- Signal Converters
- Signal Isolators
- Signal Amplifiers
- Signal Splitters
- Sensor Monitoring



Auer Signal

Auer Signal

Auer Signal is one of the world's leading manufacturers of signalling equipment and is present in over 70 countries today. Our products are designed, constructed and tested and produced to the highest industrial quality and meet all current industry standards.

Our wide product portfolio covers the demands of our signalling equipment markets including tailor-made products developed for specific customers and requirements. Auer Signal is an owner-managed family business and we keep our promises and strive to deliver always on time.

- Modern LED Signal Lights
- Multitone Sirens and Horns
- Configurable Tower Lights
- Visual and Audible Combinations
- Visual and Audible Explosion Proof Products



PARTNER BRANDS AND PRODUCTS



Smart Access

BBC Bircher Smart Access

BBC Bircher Smart Access develops, manufactures and sells detector systems that aim to protect increasingly large flows of people and traffic all over the world, and to create access systems that are convenient to use and that save energy as well as constantly working on new solutions to overcome future challenges in industry and healthcare.

BBC Bircher Smart Access stands for contact mats, safety edges, infrared sensors and microwave detectors of the very best Swiss quality.

- Radar Technology
- Infrared Technology
- Tactile Protection
- Loop Detectors
- Pressure Wave Technology
- Signal Transmission
- Clean Switch
- Safety Edges and Bump Strips
- Safety Mats with Accessories



Datalogic

Datalogic is a global technology leader in the automatic data capture and factory automation markets, specialised in the designing and production of barcode readers, mobile computers, sensors for detection, measurement and safety, RFID, vision and laser marking systems.

Closeness and timely response to customer requirements, together with continuous innovation and high quality product offering are the distinctive elements at the base of Datalogic and its success for 50 years.

Its cutting-edge solutions help to increase the efficiency and quality of processes in the retail, manufacturing, transportation and logistics and healthcare industries.

- Stationary Industrial Scanners
- Barcode Scanners
- RFID Systems
- Hand Held Barcode Scanners
- Laser Marking Systems
- Mobile Computers



DATA SENSING

easing automation challenges

Datasensing

Datasensing provides innovative sensing solutions for industrial automation.

Datasensing offers a range of industrial vision, sensors and safety devices for industry 4.0 in various technologies, such as optoelectronic devices for the safety of machines and production plants, automated vehicle guidance and machine vision for smart manufacturing.

- Sensors
- Safety Light Curtains
- Machine Vision
- Safety Area Scanners
- Safety Guidance Systems



DataTrace

by Mesa Labs

DataTrace

DataTrace manufactures, services and calibrates High Precision Data Logging Systems for Temperature, Pressure and Humidity. DataTrace is widely used in the Food and Beverage, Pharmaceutical and Petrochemical industries.

- Temperature Data Loggers
- Pressure Data Loggers
- Humidity Data Loggers
- Data Logger Accessories
- DataTrace Pro Software
- Temperature Mapping
- DataTrace Sentinel System



PARTNER BRANDS AND PRODUCTS



EGE

EGE-Elektronik has been developing and manufacturing special purpose sensors for factory and process automation applications since 1976. EGE serves leading international producers from a wide range of industries. The product portfolio is made up of the following items.

- Flow Controllers
- Level Controllers
- Inductive Proximity Switches
- Capacitive Proximity Switches
- Infrared Detectors
- Process Sensors
- Metal Detectors
- Ex Classified Product
- IO-Link
- Opto Sensors



Fluke Process Instruments

Raytek, Ircon and Datapaq is Fluke Process Instruments. A division of the Fluke Corporation offering a range of durable and reliable temperature measurement solutions from spot pyrometers to thermal imaging systems.

Pyrometers

- Endurance Series
- Ircon Modline 7
- M13 Series
- Raytek 3i Plus
- Raytek CM and CM
- Thermalert 4.0

Imaging Solutions

- SV600
- Ircon ScanIR3
- MP Line Scanner
- Thermoview TV40
- Thermoview TV30
- CS400
- TIP400





Gemco

Gemco has a strong reputation for developing unique solutions for heavy-duty applications in steel mills, timber mills, stamping plants, agriculture and automotive.

Gemco is a leader in linear and rotary position sensing, programmable limit switches and cam switches (in robust housings).

Gemco's mission is to produce automation solutions that are legendary, reliable, and have an extreme performance and durability in harsh conditions that are unmatched in the industry.

- Linear Feedback
- Rotary Feedback
- PLS, PLC and Network Modules
- Safety Products, Foot and Palm Switches
- Level Measurement
- Cable and Hose Carriers
- Industrial Brakes
- Control Relays



Grace Technologies

Grace Technologies keeps people away from live voltage with innovative products that increase safety by reducing the risk of arc flash and electrocution while allowing workers to perform their tasks productively.

- Grace Preventative Electrical Safety Devices
- Safe Test Points
- Hot Spot Monitors
- Live Line Indicators
- Presence of Voltage Indicators
- GracePort and GracePort HMI Covers



PARTNER BRANDS AND PRODUCTS



Joslyn Clark

Joslyn Clark is a long established US manufacturer of high quality vacuum contactors, starters and controllers for industry and mining.

- 1100V 300A 1140 Series Heavy Duty Vacuum Contactors
- 1100V 400A and 600A CV Series Vacuum Contactors
- 3.3kV VC Series Vacuum Contactors
- 6.6kV MVC Series Vacuum Contactors



Leine Linde

Leine Linde is a leading manufacturer of robust encoders, sensors, and system electronics for industrial applications. The products are primarily used for positioning or velocity feedback and known for their robustness, performance and reliability.

Our solutions often become the natural choice for heavy duty operations located in harsh environments.

Leine Linde has an active global presence on all continents of the world, working in close cooperation with customers and partners through the local offices and representatives.

- 2000 Bearingless
- 1000 Extreme
- 900 Premium
- 800 Heavy Duty
- 700 Compact
- 600 Industrial
- 500 Robust
- 300 Miniature
- Functional Safety
- Condition Monitoring
- Hazardous Locations
- Motion Control
- 400 Linear
- Strain Sensor
- M500 Series





Limab

Limab specialises in laser-based systems for in-line, non-contact dimensional and defect measurements in a number of industries.

Non-contact measurement allows wear-free, accurate measurement of almost any type of product, including red hot metal and soft insulation panels. Continuous, in-line inspection assists with faster product setup and reduced wastage during production, reducing manufacturing costs.

Output quality is therefore improved and end customers can be assured of receiving a high grade product. Robust and accurate measuring systems within harsh environments are a characteristic of the solutions offered by Limab, and include:

- Gypsum board measurement and surface inspection
- Timber based panel measurement
- Measurement of Steel and other metals
- Advanced stand-alone laser distance sensors

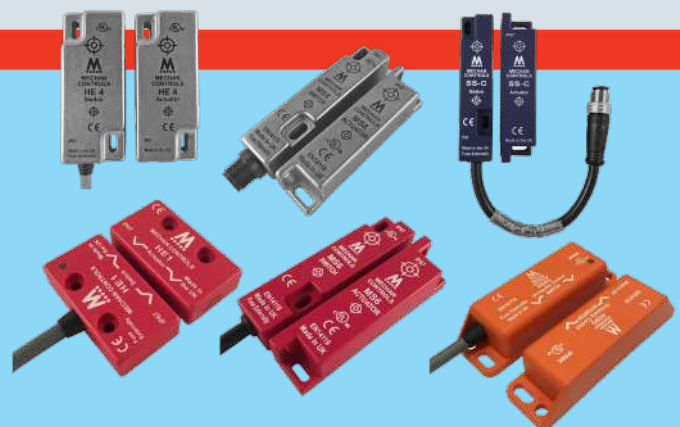


Mechan Controls

Mechan Controls is a British designer and manufacturer of non-contact safety switches for machine guarding applications. Mechan produced its first electronic safety switch in 1972, since then, it has developed an enviable reputation as the industry leader.

Today, tens of thousands of applications worldwide attest to the outstanding reliability and quality of Mechan safety switches and safety interlock systems.

- Plastic, Stainless Steel and High Temperature Safety Switches
- Electronic Safety Switches
- RFID Safety Switches
- Safety Systems
- Safety Relays
- Solenoid Interlocks



PARTNER BRANDS AND PRODUCTS



Netec

Netec, the only Australian manufacturer of a full range of Earth and Neutral Links, is capable of manufacturing brass components for all industries and specialises in fast, high turnover for product design required to meet the needs of the customer.

- Earth and Neutral Bars
- Covered Links
- Mounting Supports
- Line Taps
- Netec Catalogue Neutral/Earth Bar and Covered Link Parts comply to AS/NZS5112:2015
- Ratings from 90A -500A

Netec Plastic insulators, covers and bases are Made In Australia and comply to the 960 degrees celsius Glow Wire Standards. Netec Terminal screws comply with all relevant standards. Dome point screws should be used to prevent damage to the conductor.



Telco Sensors

Telco Sensors has become synonymous with reliable sensing solutions for the most demanding applications. Telco Sensors takes pride in demonstrating the versatility and high performance of sensor systems and showing that for Telco, applications are only limited by the imagination.

Telco Sensors have 5 Core Values:

1. Easy Installation
2. Immunity to Light
3. Penetration Power
4. Water Resistance
5. Shock and Vibration Resistance

Telco Sensors are widely used for detecting, positioning, measuring, counting, sorting and verification applications.

- Photoelectric Sensors
- Light Curtains
- Remote Photoelectric Systems
- Optical Fork Sensors
- Power Supply Units
- Industrial Light Curtains
- Measuring Light Curtains
- Optical Frame Sensor





Unitronics

Unitronics offer market-leading features and capabilities in their state-of-the-art Programmable Logic Controllers (PLCs) with integrated HMI. Completely designed and developed by Unitronics for the global market, they make automation simple, efficient and cost-effective.

With a controller from Unitronics you can take advantage of:

- UniCloud "No Code" IIoT cloud Dashboards and remote monitoring
- Local efficiency improvements with relevant information displayed directly to the operator
- View and enter application data and troubleshoot all without the need for a PC
- Reduced programming with a single programming environment for PLC and HMI applications
- Less wiring and less space is required, saving I/O points
- PLC and HMI share the same memory, no need for separate PLC to HMI communications

Unitronics product families include UniStream, Vision, Samba, Jazz, UniCloud, VFD and Servo Drives.



Weintek

Weintek specialise in HMI products to connect with a wide range of industrial controllers. Connection to mainstream PLC brands is simple using the built-in library of over 250 drivers.

Application flexibility is also assured with a range of display sizes and formats, including external HDMI connection and client viewer apps. In addition to PLC drivers, support is also included for powerful protocols such as MQTT and SQL for cost effective IIoT integration.

Remote Monitoring and control is made simple and secure through Weintek EasyAccess2.0. Also create easy to read dashboards with Weincloud.

Weintek devices can also function as protocol converters or gateways between any of the supported protocols, including BACnet, ModbusTCP, ModbusRTU or Ethernet/IP.

- cMT-X Series (Basic, Standard and Advanced)
- cMT Gateway Series
- iE Series
- XE Series



PARTNER BRANDS AND PRODUCTS

MACHINE SAFETY SOLUTIONS

The process of complying with local regulatory requirements and providing a safe environment for your stakeholders can be complex. To help you minimise safety hazards, we help you develop a comprehensive strategy covering all aspects of machine safety.

Machine Safety Auditing Services

Risk Assessment and Solution Recommendations

- Identifying all hazards and assessing the risk level of these hazards (AS 4024) and providing recommendations to achieve the necessary safety levels.

Verification / Validation of Hazard Control

- An independent review of a machine safety system to ensure that the identified hazards have been addressed appropriately and the necessary safety levels have been achieved.
- We also offer a more detailed validation option with deliberate fault creation in the safety system to validate the integrity of the safety system.

Safety Procedure and Development

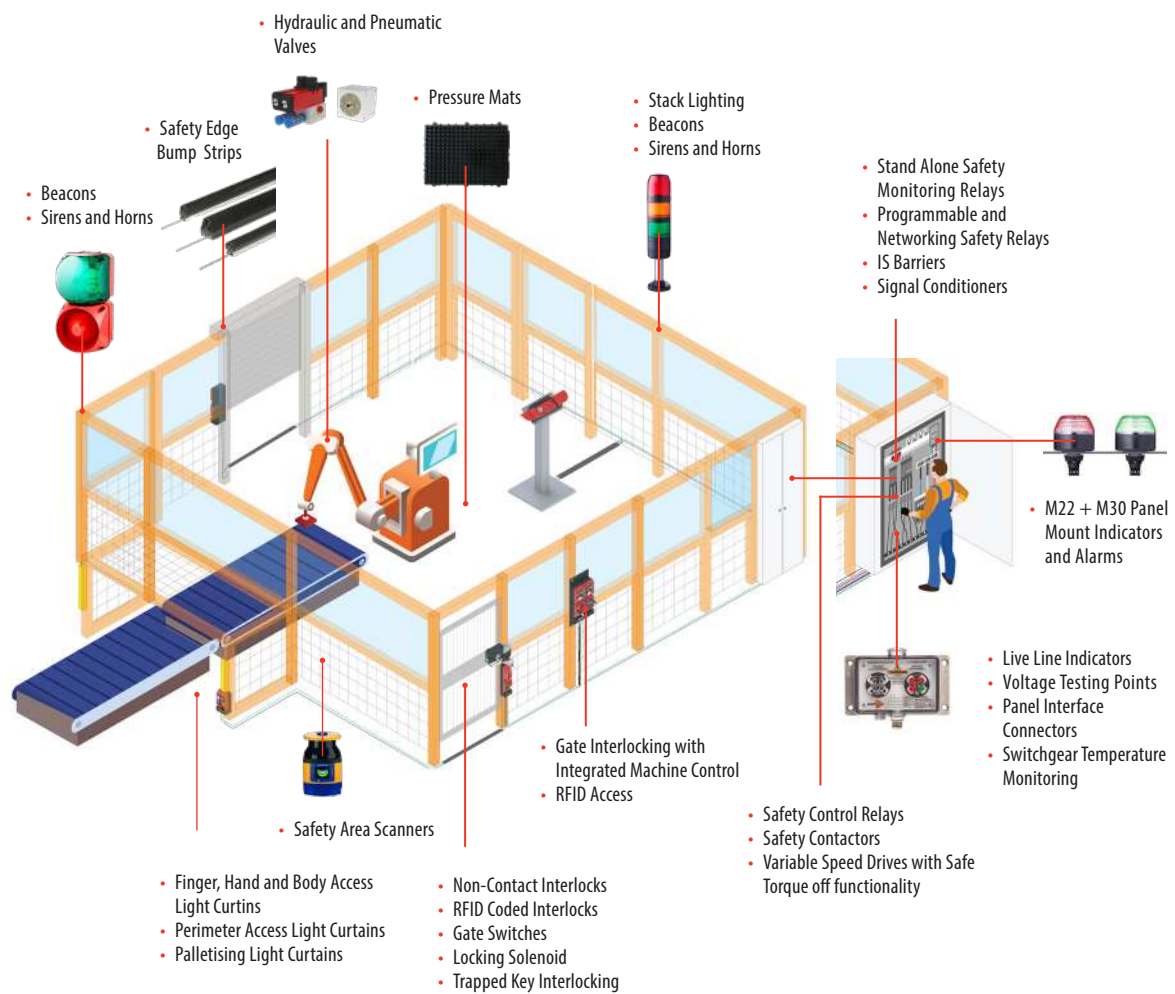
- Missing, inaccurate or confusing safety procedures can result in workplace accidents.
- We can assist in safety procedure development, ranging from developing Job Safety Analysis (JSA) procedures to full Isolation (Lockout Tagout) procedures.

Isolation Review and Analysis

- A critical component of machine safety management.
- We can review existing machine isolation capabilities and appropriate recommendations will be provided.



Colterlec represents best in class national and international safety manufacturers which allows us to provide a tailored solution to suit your process requirements.



OMEGALEC PROJECTS

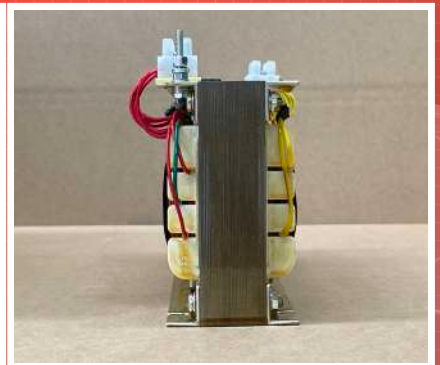
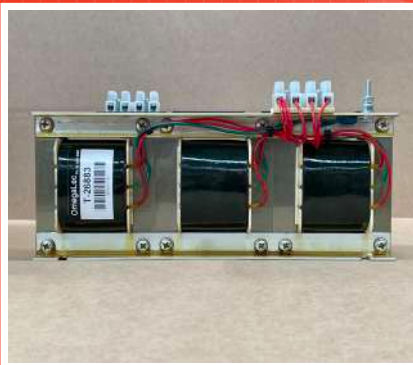
DESIGN + MANUFACTURING

Omegalec manufacture a wide range of standard products and can also custom design to specific requirements. All products manufactured by Omegalec are compliant with the relevant Australian Standards.

TRANSFORMERS

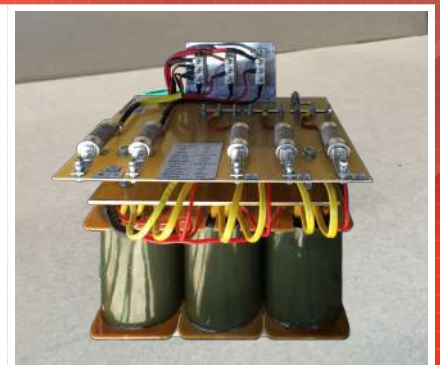
Apart from standard 240V or 415V mains transformers, Omegalec custom design and manufacture transformers to meet a wide range of non-standard and specialised requirements such as:

- Non-standard voltages
- Additional safety, such as earth screens, fuses and embedded temperature sensors
- Additional Taps
- Specific terminal types, layouts and labelling
- Non-enclosed (IP00), or in a housing (IP23 standard)
- Specific physical form factor, where mounting space may be restricted
- Precision metering transformers (VT and CT)
- Protection transformers



SPECIAL SOLUTIONS

Are you looking for a power supply to suit your application, yet found nothing that fits? Omegalec can design and manufacture custom power supplies to suit a wide range of applications. For more information email sales@colterlec.com.au.



OMEGALEC PROJECTS

REPAIRS AND SERVICES



DC BATTERY CHARGERS AND UPS UNITS

Many applications require high reliability even in the event of a total power failure. For example large circuit breakers still need power to trip even if the main supply is lost. Omegalec provide a proven solution to these applications. DC battery chargers ensure that backup battery systems are kept fully charged and ready for use. Monitoring functions in the charger also provide alerts and alarms, allowing emerging issues to be addressed before they become critical.

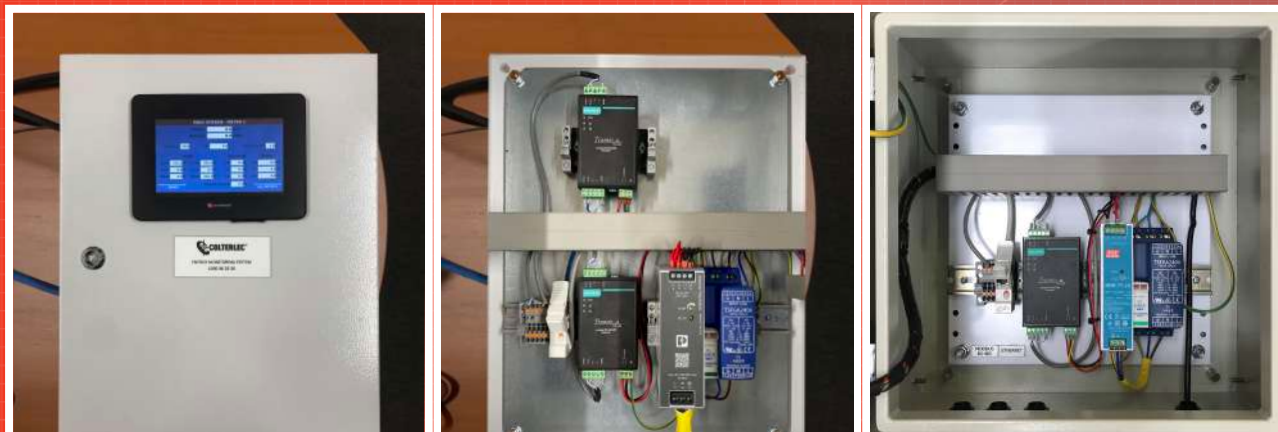
Similarly Omegalec DC UPS systems provided uninterrupted DC power to critical system such as PLC and other industrial control and monitoring systems.



ENERGY MONITORING SYSTEM

It is a requirement of the National Construction code 2019, sec J8.3 that buildings over 2500 sq. metres floor area to individually monitor the different types of energy consumption within the building, such as appliance power, lighting and air conditioning. The meters used are to be interlinked by a communications system that brings the data back to a single-interface monitoring system where time-of-use data is collated and stored for analysis and review.

Omegalec manufacture an Energy Monitoring Systems according to the requirements above, which can be configured for the specifications of each project.



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Proudly Australian owned and operated, Colterlec is a supplier of exceptionally high quality industrial electrical and automation products and solutions around Australia.

Our strength has always been our experienced and qualified team, who continually offer outstanding technical support and exceptional customer service, as well as our partnerships with leading global suppliers. We are a reliable and trusted supply partner for major industries including wholesalers, mining, manufacturing, water treatment, infrastructure, oil and gas, food and beverage plants.

Our mission is to provide our stakeholders with quality services and solutions that exceed their expectations - **every single time.**



ELECTRICAL ENGINEERING PRODUCTS

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