

**PRODUCT
GUIDE
NEW SOUTH
WALES
EDITION**



**DELIVERING
ELECTRICAL
PRODUCT
INNOVATION**



PARTNER BRANDS AND PRODUCTS

2024 - 2025

New South Wales 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 has 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

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OUR BRANDS



PARTNER BRANDS AND PRODUCTS



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 Monitoring
- Transducers
- Protector Trip Relays
- Meter Relays
- Digital Indicators
- Analogue Meters
- Current Transformers
- DC Shunts





Danfoss VLT Drives

For more than 50 years Danfoss have been leading the market in innovation, reliability and efficiency, offering true motor independence and innovative heat management strategies.

FC280 Midi Drive

For precise and efficient motor control for machine builders in the food and beverage, material handling and processing industries.

FC102 HVAC Drive

Enhances fan and pump operation in building management systems and runs outdoors in most climates.

FC202 Aqua Drive

Designed to provide the highest level of performance of AC motor driven water and wastewater applications.

FC302 Automation Drive

Designed for the most demanding applications in any industry. Optional integrated motion control for positioning and synchronising.

Intelligent **Soft Starters** to improve starting, stopping and protection of the motor.

Plus a wide range of input and output filters and accessories available to ensure compliance with the highest standards.

Danfoss Vacon® Drives

Vacon® 20

Compact and flexible this drive is easily adaptable to any application making it ideal for the OEM market. Includes powerful built-in PLC functionality.

Vacon® 100 Flow

Improves flow control and saves energy in industrial pump and fan applications, provides specific flow control functions to enhance pump and fan performance and protect pipes and equipment, ensuring reliable operation.

Vacon® 100 Industrial

A workhorse for a wide range of industrial applications. It is easy to integrate into all major control systems and is easily adaptable to different needs with a wide range of configurable options.

Vacon® NXP / NXC

With air and liquid cooling available these drives are extremely customisable. They are engineered to deliver maximum performance and control in every industrial application.

Technical pre-sales support available.



PARTNER BRANDS AND PRODUCTS

EATON

Powering Business Worldwide

Eaton 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





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.

- Stainless Steel Enclosures
- Mild Steel Enclosures
- Non-Metallic Enclosures
- Mining Enclosures / 1000V Panels
- Sun-shielded 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
- Custom Distribution Boards / OEM Manufacturing
- Hazardous Area Enclosures
- Non-Metallic Polyester GRP Latch and Hinges
- Locking Systems
- Filter Fans / Air Conditioners / Heaters



PARTNER BRANDS AND PRODUCTS

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.

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.





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 PROFIsafe 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.

Hygienic and Wash-Down

A complete range of non-contact safety switched for hygienic and wash-down 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.

Frank Industrial Access

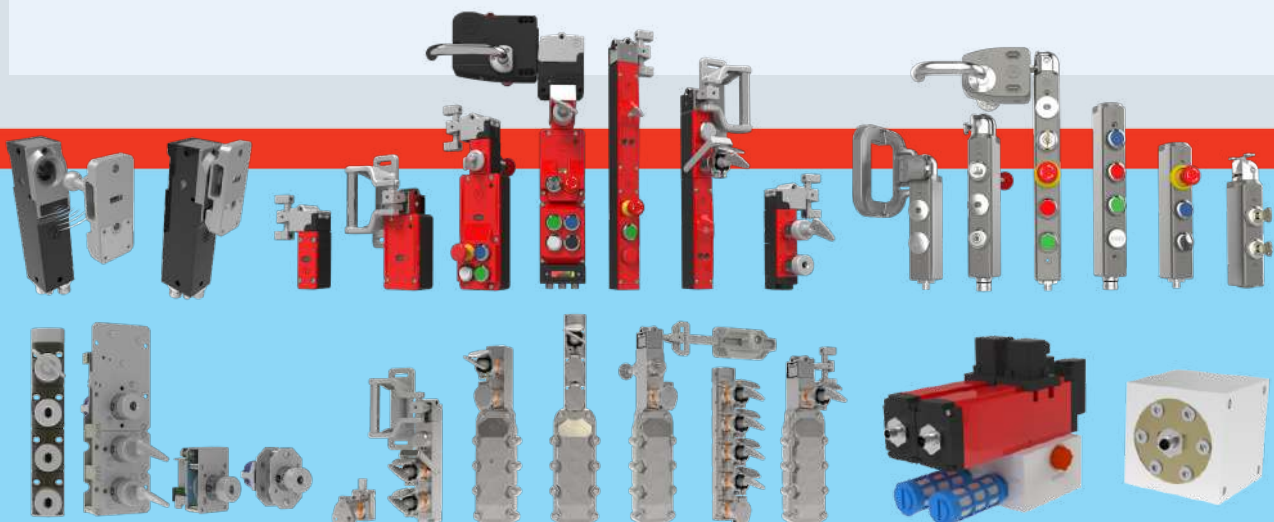
Controlling access to spaces and processes. Prevent line shut down and unauthorised access from entering safeguarded spaces.

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.



PARTNER BRANDS AND PRODUCTS



Marechal Electric

Over the past 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 and standards. Marechal® connectors are available for non-IECEX or IECEX environments - Zones 1, 21, 2, 22.

- Separable Switch Disconnecter (from 2 to 6 poles - 40 A)
- **DECONTACTOR™** = Plug + Industrial Switch (up to 250 A)
- Multi-Contact Sockets (up to 37 contacts)
- Industrial Connectors (up to 600 A)
- Single Pole Connectors (up to 1250 A with pilots)
- Hazardous Area Connectors and Sockets

The **DECONTACTOR™** is a plug with an integrated switch combining the advantages of a power socket and the performance of a switch. It allows devices to be quickly, easily, and safely connected and disconnected under full load in harsh environments, with no need for pilot wiring and contactor.



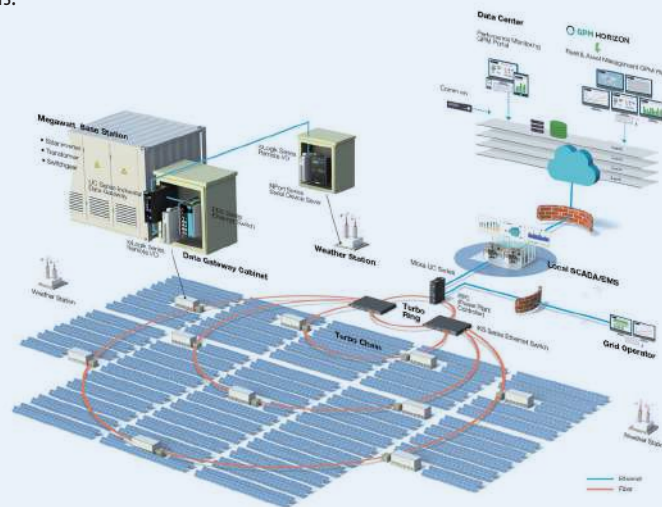
MOXA®

Moxa

Moxa is a leading provider of edge connectivity, industrial computing, and network infrastructure solutions for enabling connectivity for the Industrial Internet of Things (IIoT). With 35 years of industry experience, Moxa has connected more than 102 million devices worldwide and has a distribution and service network that reaches customers in more than 85 countries.

Moxa delivers lasting business value by empowering industries with reliable industrial networking and communications solutions and enhancing cybersecurity for industrial automation systems.

- Ethernet Switches
- Secure Router
- Wireless AP/Bridge / Client
- Cellular Gateway / Router
- Ethernet Media Converters
- Network Management Software
- Secure Remote Access
- Serial Device Servers
- Serial Converters
- Protocol Gateways
- USB-to-Serial Converters
- Controllers and I/Os
- X86 Computers
- Arm-Based Computers
- Panel Computers and Displays
- IIoT Gateways



PARTNER BRANDS AND PRODUCTS



ERICO

As a leading global manufacturer, nVent ERICO specialises in top-tier engineered solutions for electrical facility protection.

Its innovative grounding, bonding, and connectivity products offer a comprehensive approach to safeguarding against lightning strikes, ensuring robust grounding systems, effective bonding, and reliable surge protection in today's challenging environment.

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

ERIFLEX

nVent ERIFLEX is a leader in innovative electrical connection solutions, offering a variety of flexible busbar systems designed for efficient power distribution.

These systems ensure safe, reliable, and high-performance electrical connections, making them ideal for a wide range of industrial and commercial applications.

- Flexible Busbars, Tools and Supports
- Flexible Power Braids and Shunts
- Grounding and Bonding Braids
- Distribution Blocks and Power Terminals
- Busbar Clamps and Connectors
- Made to Order Solutions

FLEXBUS

The nVent ERIFLEX Flexbus System is an innovative solution that offers a market alternative, enabling faster installations and reducing overall installation costs.

Designed as a comprehensive low voltage power connection system, Flexbus Advanced is versatile and suitable for a wide range of applications.

- Online Calculation and Selection Tool
- Flexbus Conductor
- Support and Bracing Systems
- Conductor Entry Points
- Connections Clamps and Palms
- Fire Barrier System





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 annalistic 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.



PARTNER BRANDS AND PRODUCTS



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 and Power Supplies
- Surge and Electronic Breakers
- PLCNext
- Interface, Monitoring and Switching Devices
- Automation



Telemecanique Sensors

Telemecanique sensors are global experts in the sensors and detection industry for over a century covering a wide environment of sensors from electromagnetic to electronic products and from detection to identification and distance measurements. Applications includes but not limited to railways, hoisting, material handling, water pumping, mobile lifts, elevators and escalators.

Limit Switches (XC/9007)

- Plastic / metal / heavy duty
- Interchangeable heads / levers
- Rotation / conveyor belt shift monitoring and overtravel

Inductive (XS) and Capacitive (XT) Sensors

- Shielded / non shielded
- metal / plastic and SS body
- cylindrical / cube and rectangular

Photoelectric Sensors (XU)

- Detection modes such as Diffuse, Background Suppression, Polarised Reflex and Thru-Beam
- Cylindrical M8-M30 or compact / rectangular form
- Roller conveyor sensors and Fork Sensors

Ultrasonic Sensors (XX)

- M18-M30 bodies
- Programmable
- Wide beam for Mobile Equipment

Pressure Sensors (901/XM)

- Electronic pressure switches with solid state or analog output
- Electromechanical pressure switch with contacts.

Safety Sensors and Switches (XCS)

- Plastic / metal interlocks / limits, locking solenoid
- Coded magnetic switches
- Lanyard Emergency Stop Rope Pull

Radio Frequency Identification (XG)

- Read and Write tags
- Antennas with 13.56MHz
- Standalone / Network capability

Cabling (XZC)

- Pre-wired Cables and wire able Connectors
- PVC,PUR,F&B grade
- 3,4 and 5pin, M12 and M18 prewired in various lengths



PARTNER BRANDS AND PRODUCTS

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



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.

- Multifunction LED Signal and warning Beacons
- Multitone Sirens and Horns
- Configurable Audible and Visual Stack Lights
- Visual and Audible Combination Systems



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 safety 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
- CleanSwitch



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
- Industrial Scanners
- Line Scanners
- 2D Code Readers
- RFID Technology
- Hand Held Barcode Scanners



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
- Vision Sensors
- Safety Light Curtains
- Machine Vision
- Safety Area Sensors
- Lidar Guidance



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
- Thermal Barriers



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 Sensors
- Flow Rate Sensors
- Fill Level Sensors
- Inductive Proximity Switches
- Capacitive Proximity Switches
- Infrared Detectors
- Temperature Sensors
- Pressure Sensors
- Ultrasonic Sensors
- Metal Detectors
- I/O Link
- Hazardous Area Sensors



Fluke Process Instruments

Raytek, Iacon 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
- Iacon Modline 7
- M13 Series
- Raytek 3i Plus
- Raytek CM and CM
- Thermalert 4.0

Imaging Solutions

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



FLUKE networks®

Fluke Networks

Fluke Networks is the worldwide leader in certification, troubleshooting and installation tools for professionals who install and maintain critical network cabling infrastructure.

From installing the most advanced data centres our combination of legendary reliability and unmatched performance ensure jobs are done efficiently.

- Datacom Contractors
- Datacentre / Network
- Versiv™ Cable Certification Family
- LinkWare™ Live
- CertiFiber Pro Encircled Flux Testing
- FI-7000 FiberInspector™ Pro
- OptiFiber™ Pro with SmartLoop™



GEMCO®

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



PARTNER BRANDS AND PRODUCTS



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
- Preventative Maintenance Systems
- Safe Test Points
- Hot Spot Monitors
- Live Line Indicators
- Presence of Voltage Indicators
- GracePort and GracePort HMI Covers



Kraus & Naimer

Kraus & Naimer is a global leader in electrical switchgear and accessories. Kraus & Naimer switches are suitable for applications from PLC control circuits through to general control and instrumentation to power changeover, solar AC and DC isolators, UPS bypass, power safety isolation and local control stations. Switches are available in standard or special configuration.

- Rotary Cam Switches
- Loadbreak Isolators
- Enclosed IP Rated Switches



LEINE LINDE

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.

- Incremental Encoders
- Absolute Encoders
- Functional Safe Encoders
- Explosive Environment Encoders
- Encoders for Condition Based Maintenance
- Customised Encoders
- ESR Strain Sensors
- Interface Electronics
- Accessories



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
- Safeline Lanyard Switches



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.



Phoenix EMS Lighting

Phoenix LED Mining and Industrial luminaires are SAA certified and designed to handle tough environments where environmental degradation can cause premature failure of standard lighting products.

- LED Conveyor and Bulkhead Lighting
- LED Area and Carpark Lighting
- LED Emergency / Exit and Hazardous Area Lighting
- LED Mobile Machinery Lighting
- Lighting Design and 3D Modelling

Ultraswing™

Ultraswing™ light poles are designed and manufactured with tool-less operation, safety lowering locking points and modular connectivity to reduce installation time, minimise manual handling and create a high quality plus safe light pole solution.

- Ultraswing Hornet 90° Pole / Ultraswing Stinger 45° Pole
- Ultraswing Plant Poles
- Ultraswing Solar Poles (4m-6m) + Phoenix Solar Pods
- Ultraswing Mid-Hinged / Instrument / Fixed Poles (4m-15m)





Unitronics

Unitronics offer market-leading features and capabilities in their state-of-the-art Programmable Logic Controllers (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
- Servo Drives



PARTNER BRANDS AND PRODUCTS



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



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

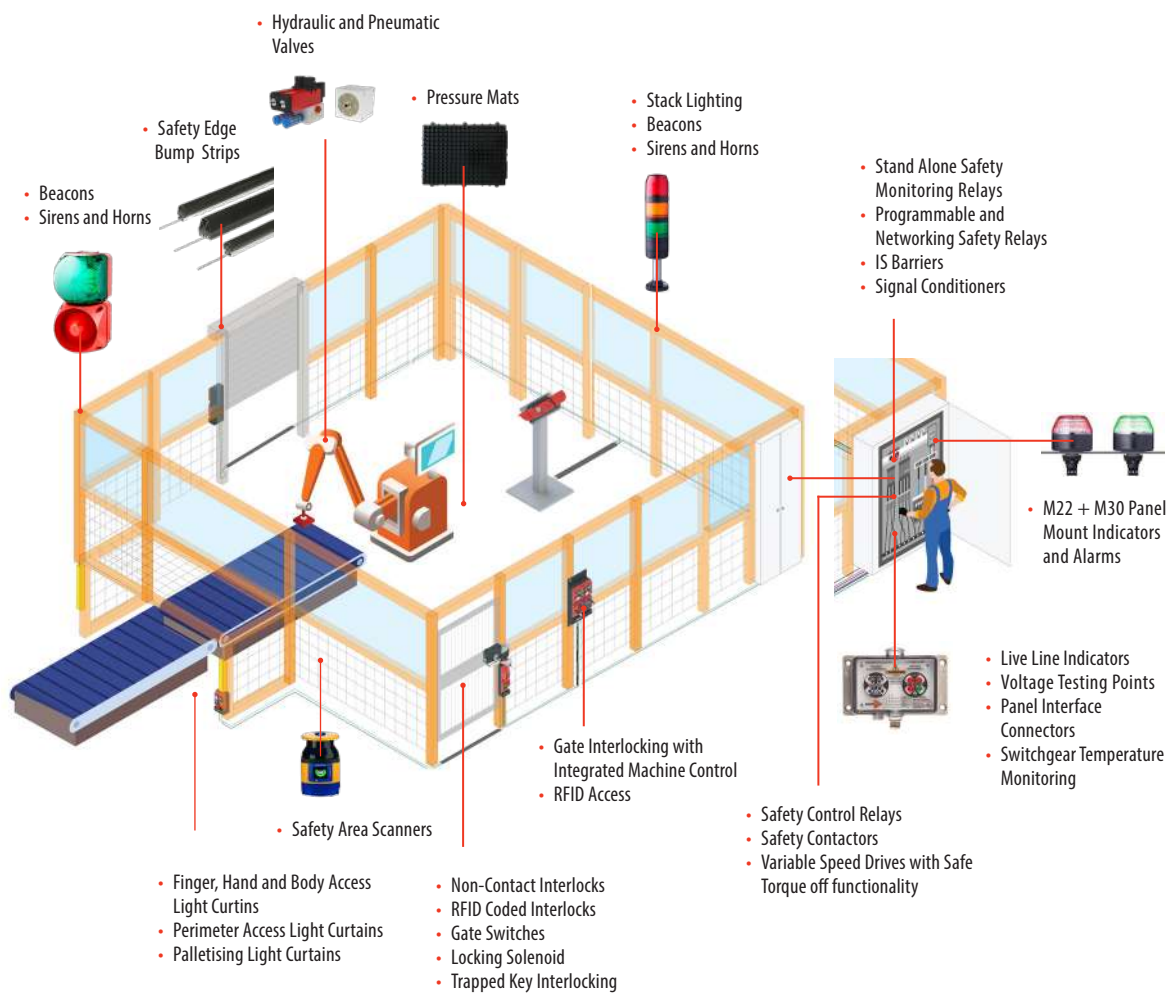
- Missing, inaccurate or confusing safety procedures can result in workplace accidents.
- We can assist in safety procedure development, ranging from developing Job Safety Analysis (JSA) procedures to full Isolation (Lockout Tagout) procedures.

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

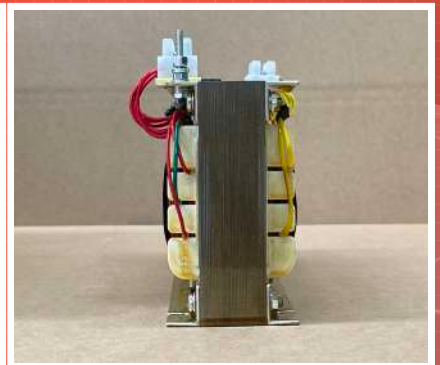
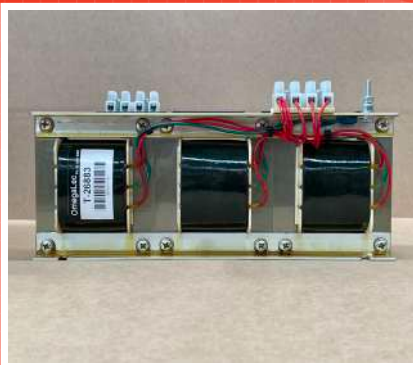
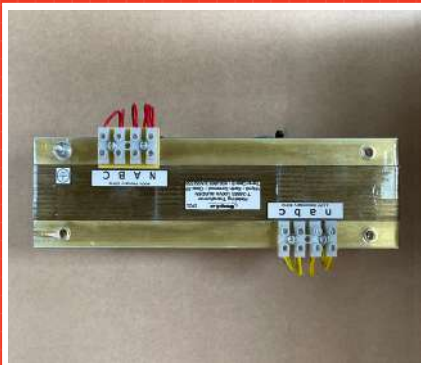
DESIGN + MANUFACTURING

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

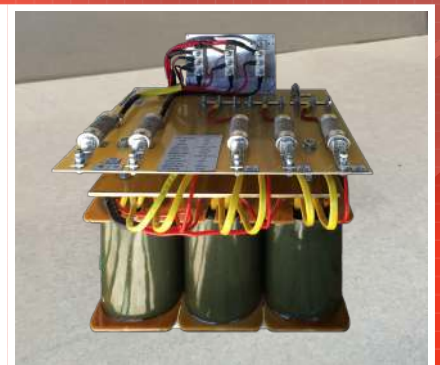
Apart from standard 240V or 415V mains transformers, Omegalec custom design and manufacture transformers to meet a wide range of non-standard and specialised requirements such as:

- 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.



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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