



Mechtric PTY LTD

PRODUCT OVERVIEW

*Engineering Solutions
for a powerful future*

ABOUT MECHTRIC

Established in 1964, MECHTRIC is a 100% Australian-owned business that specialises in the supply and distribution of a wide range of industrial automation equipment, switchgear, electric motor starters, and variable speed drives. We also offer AC and DC electric motors, servo systems, reduction gearboxes, hazardous and industrial signaling products. Our product range is carefully selected from renowned manufacturers in Europe, Asia, the USA, and Australia, and is supported by the local knowledge from our experienced technicians and customer service teams.

With a rich history of serving the Australian industry for 60 years, we have branches in five states with a dedicated team committed to providing exceptional service. Our goal is to offer high-quality products from trusted manufacturers at competitive prices, while also adding value to your business.

We stock an extensive range of engineering products, comprising of more than 10,000 items in a range of product groups:

- **Motors and drives**
- **Audible and visual signals**
- **Industrial automation**
- **Control & instrumentation**
- **Power quality & energy management**

CONTROL AND CIRCUIT PROTECTION

Mechtric are the Australian distributors of the Lovato Electric range of contactors, motor protection circuit breakers, overload relays, miniature circuit breakers, switch disconnectors, fuse holders and surge protection devices.

PROCESS CONTROLS AND SWITCHES

We supply a wide range of industrial process controls and switches including Delta Electronics temperature controllers, Lovato Electric level switches, Fantini Cosmi level switches, flow switches and pressure controls. We also represent a comprehensive range of photoelectric, inductive, capacitive and ultrasonic sensors from DataSensing.

MOTOR STARTERS AND VARIABLE SPEED DRIVES

Mechtric has a solution to most motor starting and control applications from DOL starters to servo motor drives.

Our range includes:

- Lovato Electric DOL, Star-Delta starters & soft starters
- Delta Electronics variable speed drives, including IP66, HVAC, motor pump drives, special application drives and servo systems.
- We can supply a complete solution mounted in enclosure with protection and control devices.

MOTORS AND GEARBOXES

Electrical Motors

Our range of electric motors include:

- Three-phase electric motors in aluminium alloy and cast-iron frames (All our three-phase motors exceed MEPS efficiency standards)
- Single-phase electric motors
- Brake motors
- Servo motors
- DC motors
- Flameproof motors and brakes

We supply the following brands: Mechtric, COEL, Drive systems, Delta, Euromotori, Shinmyung.

Gearboxes

Our range of gearboxes include:

- Worm gearboxes
- Inline helical gearboxes
- Bevel-helical gearboxes
- Planetary gearboxes
- Right angle bevel gearboxes
- Mechanical variators

INDUSTRIAL AUTOMATION

At Mechtric, we can provide complete industrial automation solutions:

- Delta Electronics PLC's, HMI's, VSD's & servo systems
- Lovato Electric smart relays, contactors, control & signalling units, limit switches & soft starters
- DataSensing inductive & photoelectric sensors
- Mechan Controls machine guard safety switches & relays
- EAE enclosure solutions
- Degson terminals
- Sirena stack lights
- PLC support

ABOUT MECHTRIC



ENCLOSURES AND PANEL COMPONENTS

Mechtric stocks a full range of EAE powdercoated galvanised steel wall and floor mounting enclosures, stainless-steel wall mounting enclosures, galvanised steel and stainless-steel terminal boxes, GRP and ABS enclosures.

Also including:

- Plastic enclosure fans & anti-condensation heaters, thermostats & cable ducting.
- Pratley Junction boxes, Exe GRP & aluminium junction boxes & Exd cable glands
- Degson terminals
- EAE PanelMaster LV Modular Switchgear system for IEC 61439 Standards up to Form 4B

AUDIBLE AND VISUAL SIGNALLING

Mechtric supplies a comprehensive range of signalling devices for industrial, mining, oil & gas, commercial and fire protection applications from leading brands including E2S, Sirena, Clifford & Snell and Sirencos. With products ranging from panel mounting buzzers and pilot lights to high power disaster warning sirens. We also specialise in sirens and beacons suitable for hazardous area applications (explosion proof & intrinsically safe) as well as beacons for aircraft obstacle warning.

Flashing Lights and Beacons

Mechtric supplies a wide range of industrial beacons utilising LED technology, xenon strobe and traditional flashing or rotating filament lamp. Products available for fire, industrial, hazardous area, marine and civil applications.

Warning Sirens & Wide Area Signaling

Our range of sirens include electronic sounders, speech and tone sounders, electric motor driven sirens,

electronic and electro-mechanical buzzers, horns and bells. With products suitable for low cost security applications through to high power emergency and warning sirens with voice messages and sound output to cover several kilometers.

ENERGY MANAGEMENT

Mechtric offers a range of solutions to assist with energy management and to improve power quality.

- Lovato Electric energy meters & metering instruments with Synergy local or cloud based energy monitoring software.
- Power factor correction components including Lovato power factor controllers.
- Power factor correction capacitors.
- Enerdoor passive and active harmonic filters.
- Enerdoor EMI filters & sine wave output filters for variable speed drive applications.
- Polylux input and output reactors for harmonics mitigation & motor protection on variable speed drive applications.
- Lovato generator controllers & automatic transfer switch controllers.



Lovato Electric has been in operation since 1922 and has evolved to encompass a fusion of electronics, automation, and software in the present day. The company's extensive product range is meticulously designed, engineered, tested, and manufactured in accordance with the most stringent quality standards. A dedicated team of designers and researchers employs state-of-the-art software tools to develop cutting-edge and dependable products. Furthermore, an internal test laboratory, accredited with full ISO compliance with IEC & UL Certification conducts tests in adherence to both national and international standards.

					
MOTOR PROTECTION & CONTROL	MOTOR PROTECTION CIRCUIT BREAKERS	CONTACTORS	MOTOR PROTECTION RELAYS	ELECTROMECHANICAL STARTERS & ENCLOSURES	SOFT STARTERS
					
CONTROL & SIGNALLING	PUSHBUTTONS & SELECTOR SWITCHES	EMERGENCY STOP, 30mm FLAT DOUBLE/TRIPLE ACTUATORS	LIMIT, MICRO & FOOT SWITCHES	SAFETY MODULES	ROTARY CAM SWITCHES
					
CIRCUIT PROTECTION & ISOLATION	SWITCH DISCONNECTORS	FUSE HOLDERS AND FUSES	MINIATURE & RESIDUAL CIRCUIT BREAKERS	SURGE PROTECTION DEVICES	MODULAR CONTACTORS & MODULAR DEVICES
					
AUTOMATION & CONTROL	TIME RELAYS	MONITORING RELAYS	LEVEL CONTROLS	GENERAL PURPOSE RELAYS	MICRO PLCs & HMI
					
ENERGY MANAGEMENT	METERING INSTRUMENTS & CTS	CTS & METERING ACCESSORIES	AUTOMATIC TRANSFER SWITCH CONTROLLERS	ENGINE & GENERATOR CONTROLLERS	SYNERGY ENERGY MANAGEMENT SOFTWARE



Delta Electronics (Australia) Pty Ltd operates as a subsidiary of Delta Electronics Inc., a renowned worldwide supplier of power and thermal management products and solutions. Being a part of the esteemed Delta Group, Delta Australia upholds its mission statement, which centers around delivering forward-thinking, eco-friendly, and energy-efficient solutions to contribute to a brighter future. Delta's diverse business categories encompass Power Electronics, Automation, and Infrastructure. Notably, Delta Australia is experiencing rapid growth in various sectors, including Industrial Automation, Power Quality, Display and Control Room.

VARIABLE SPEED DRIVES	AC DRIVES	MOTOR PUMP DRIVE	IP66 DRIVES	SPECIAL APPLICATION
MOTION CONTROL	AC SERVO DRIVES	BACKPLANE SERVO SYSTEM	AC SERVO MOTORS	ROTARY ENCODERS
CONTROL	PLC-PROGRAMMABLE LOGIC CONTROLLERS	COMPACT PLC	HUMAN MACHINE INTERFACES	INDUSTRIAL FIELDBUS SOLUTION
FIELD DEVICES	TEMPERATURE CONTROLLERS	INDUSTRIAL POWER SUPPLIES	MANAGED & UNMANAGED SWITCHES	WIRELESS COMMUNICATIONS



E2S holds the prestigious position of being the foremost independent manufacturer globally when it comes to high-performance audible and visual signals, manual call points, and push buttons for life safety applications. E2S products cater to a wide range of environments, including commercial, industrial, marine, onshore, and offshore locations, both standard and hazardous. With a remarkable blend of cutting-edge technology and more than 30 years of engineering experience, they have developed an unparalleled selection of life-saving signals and controls that meet the most rigorous global standards.

HAZARDOUS AREA	VISUAL	AUDIBLE	COMBINATION	COMBINATION	MANUAL CALL POINTS
					
FIRE & INDUSTRIAL	VISUAL	AUDIBLE	COMBINATION	COMBINATION	MANUAL CALL POINTS
					
WIDE AREA	AUDIBLE	SIREN ARRAY	ALARM HORN	SPEAKER ARRAY	MANUAL CALL POINTS
					



Since its establishment, the Sirena plant in Italy has manufactured and delivered an impressive 50 million devices, solidifying the company's standing as a benchmark in the industry and a trusted brand associated with reliability and quality. Sirena is dedicated to pursuing significant strategic objectives that foster continuous expansion into international markets. In line with these aspirations, Sirena continuously introduces noteworthy products, further underscoring the company's unwavering commitment to research and innovation.

INDUSTRIAL	ACOUSTIC DEVICES	VISUAL DEVICES	COMBINATION	SIGNAL TOWERS
				
COMMERCIAL	WEARABLE DEVICES	BREAK DOWN SERVICES	EMERGENCY SERVICES	ACCESSORIES & SPARE DOMES
				



SITI was established in Italy in 1967, excelling in manufacturing gearboxes. They have extensive production capabilities, an efficient commercial network, exceptional product quality, and a flexible organisational structure. Their diverse production range enables them to provide suitable solutions for countless applications. With 70% of their revenue generated from foreign markets, SITI continuously strive to expand their product offerings. SITI actively develop new product lines to penetrate high-growth industrial sectors, such as renewable energy and waste recycling, which require robust solutions for heavy-duty applications.

I SERIES	MI SERIES	U SERIES	MU SERIES	R SERIES
				
Worm gearbox solid shaft input	Worm gearbox IEC motor input	Worm gearbox universal mount solid shaft input	Worm gearbox universal mount IEC motor input	Right angle helical gearboxes
MNHL/NHL SERIES	MBH/BH SERIES	SR SERIES	MK SERIES	NRG SERIES
				
Inline Helical Gearbox IEC motor input & solid shaft input	Bevel Helical Gearbox IEC motor input & solid shaft input	Single stage primary producer	Mechanical speed variators	Planetary Gearboxes



DATASENSING is the combined business unit of DATALOGIC Sensor & Safety - Machine Vision and M.D. MICRO DETECTORS. With 50 years of experience each, these two companies have a rich history in sensor technology. DATASENSING specialises in the development, manufacturing, and supply of Machine Vision, Sensors, and Safety solutions. Their focus is on addressing automation challenges, including machine vision deep learning, sensors, and safety measures. They are dedicated to supporting industrial automation, encompassing everything from production processes to internal goods logistics.

M18 PHOTOSWITCHES S5N / S5	NEW S3N SERIES PHOTOSWITCHES	COMPACT S8 PHOTOSWITCHES	SLOT SWITCHES
			
LONG RANGE PHOTOSWITCHES	CONTRAST & LUMINESCENCE	INDUCTIVE MULTIVOLTAGE PROXIMITY SWITCHES	CYLINDRICAL CAPACITIVE SWITCHES
			
SAFETY LIGHT CURTAINS SH4	SAFETY LASER SCANNER SLS	ULTRASONIC SENSOR	FULL METAL ULTRASONIC SWITCHES
			



ELEKTROTEKNIK

EAE Elektrotechnik established their comprehensive enclosure range in 1995. EAE Elektrotechnik specialises in LV Type Tested Licensed Modular Enclosures (PanelMaster), Type Tested Empty Enclosures (E-Kabin), and Rack Cabinets (KabinPlus). The EAE company strives to become a symbol of reliability, continuity, and quality of manufacture. With the expertise of their skilled and knowledgeable staff, the EAE Group has emerged as one of the leading companies in the electrical products market. EAE has five manufacturing sites in Turkey and has global representation with valued distribution partners.

IEC 61439-1 / 2 STANDARD UP TO FORM 4B
PANELMASTER



PANELMASTER

FLOOR STANDING ENCLOSURES
E-KABIN S SERIES



WALL MOUNTED ENCLOSURES
E-KABIN XM SERIES SS



WALL MOUNTED ENCLOSURES
E-KABIN T & XT SERIES



WALL MOUNTED ENCLOSURES
E-KABIN M SERIES



EAE E-LINE BUSBAR SYSTEMS





OUR PARTNERS:

PRATLEY

- Junction Boxes
- Cable Glands
- Terminals
- Industrial & Hazardous



GENERAL JUNCTION BOXES



EXPLOSIVE ATMOSPHERES



ACCESSORIES



Clifford & Snell

- Yodalarm
- Sounders & Beacons
- Combination Units
- Hazardous Areas



ACOUSTIC DEVICES



VISUAL DEVICES



COMBINATION





OUR PARTNERS:



- Pendant Switches
- Rotary Limit Switches
- Rotating Power Outlets
- DC Contactors



PENDANT SWITCHES



ROTARY LIMIT SWITCHES



D.C. CONTACTORS TECNO SERIES



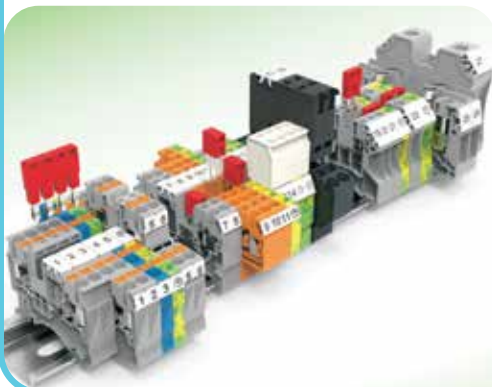
SLIP RINGS PM SERIES



INDUSTRIAL RADIO REMOTE CONTROLS



- Terminals
- Terminal Blocks
- Relays & sockets
- Remote I/O



DIN-RAIL TERMINALS



I/O MODULE



RELAYS





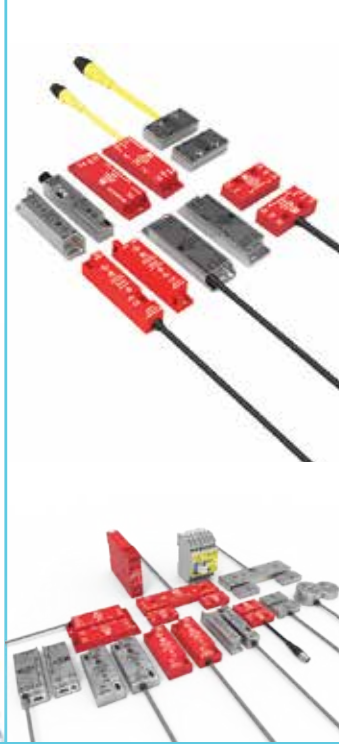
OUR PARTNERS:

MECHAN CONTROLS

- Safety Switches
- Machine Guard Safety
- Safety Relays
- Light Curtains



SAFETY SWITCHES



SAFETY RELAYS



RFID SAFETY SWITCHES



SOLENOID INTERLOCK



RFID SAFETY SYSTEM



FantiniCosmi

- Flow Controls
- Level Controls
- Pressure Switches
- Thermostats



FLOW CONTROLS



THERMOSTATS



PRESSURE SWITCHES



FLOAT SWITCH



LEVEL CONTROLS



CONDUCTIVE LIQUIDS PROBES





OUR PARTNERS:



- Hour Meters
- Monitoring Devices
- Process Indicators
- Timers & Counters

HOUR METERS



TIMERS



PROCESS INDICATORS



- Transformers
- Line Reactors
- Voltage Regulators
- Auto Transformers

TRANSFORMERS



LINE REACTORS



VOLTAGE REGULATOR



- Wide Area Signalling
- Motorised Sirens
- Manual Hand Sirens
- Electronic Sounders

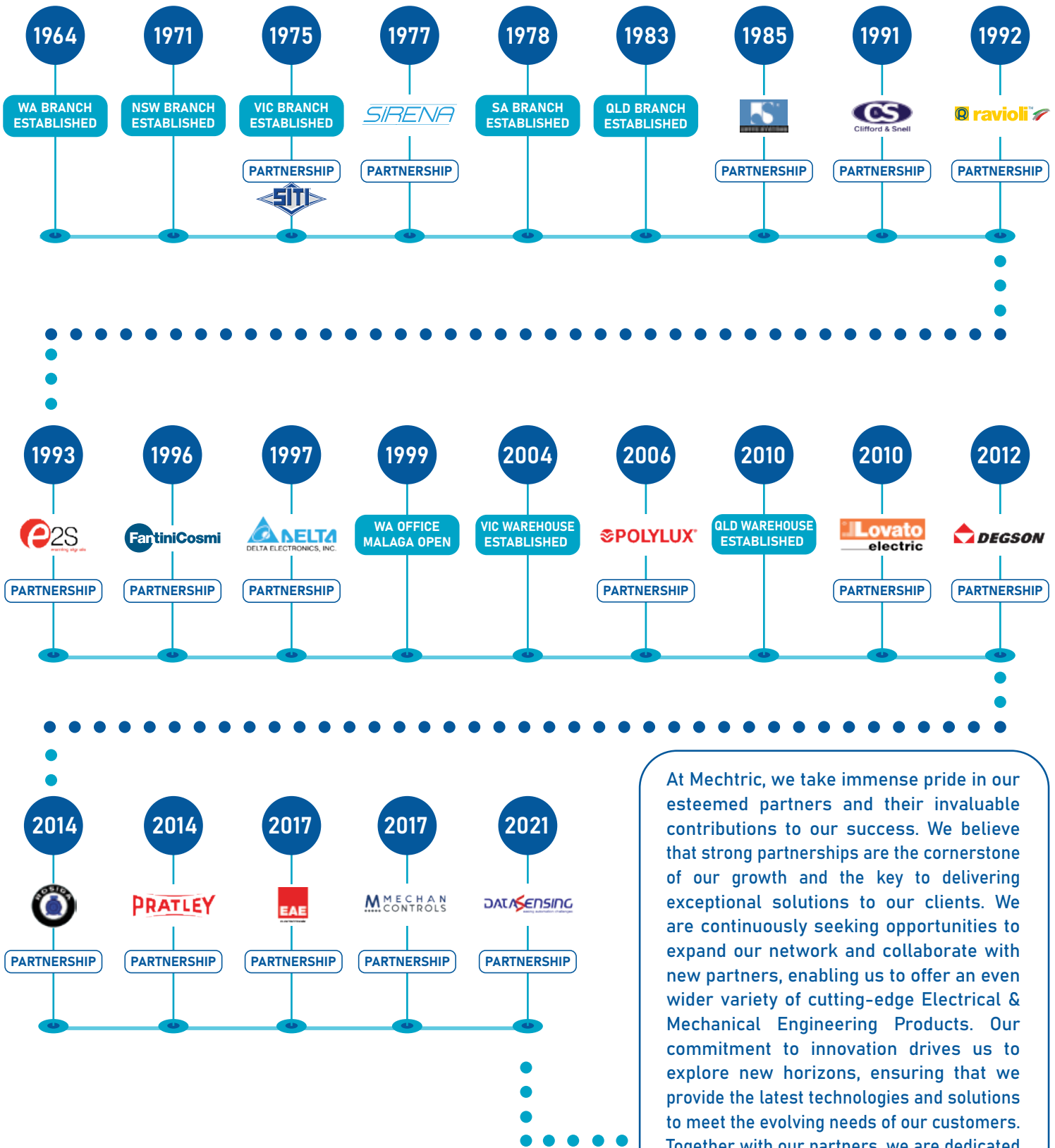
HAZARDOUS



NON - HAZARDOUS



MECHTRIC TIMELINE



At Mechtric, we take immense pride in our esteemed partners and their invaluable contributions to our success. We believe that strong partnerships are the cornerstone of our growth and the key to delivering exceptional solutions to our clients. We are continuously seeking opportunities to expand our network and collaborate with new partners, enabling us to offer an even wider variety of cutting-edge Electrical & Mechanical Engineering Products. Our commitment to innovation drives us to explore new horizons, ensuring that we provide the latest technologies and solutions to meet the evolving needs of our customers. Together with our partners, we are dedicated to pushing the boundaries of excellence and shaping the future of the industry with the goal to add value to our customer's business.



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