

Clipsal Food Processing Solutions

Improving operational efficiency and profit through innovative electrical solutions.





Clipsal food processing solutions assist to improve operational efficiency and maximise productivity through consistent integration across multiple sites and user-friendly, reliable products that comply with stringent industry regulations and standards.

Experience & Expertise Achieves Better Results

Clipsal by Schneider Electric is Australia's number one supplier of electrical products and solutions, with multiple manufacturing facilities across the nation. The Clipsal brand offering comprises more than 20,000 products, including electrical accessories, lighting, data, industrial, control systems, cable management and energy efficient solutions.

As an industry leader, Clipsal is dedicated to supplying the most innovative and sustainable solutions on the market – providing a positive return on investment, and improving operational efficiency for our customers.

Clipsal's innovative, compliant electrical products combined with extensive expert advice assists to achieve the best electrical solution for your project.

The Current Food Processing Industry

The Australian food and beverage industry is recognised worldwide for its high standards, healthy image, innovative manufacturing and packaging technologies. Australia offers great diversity of food produce, including grains; meats; dairy products; seafood; fruit and vegetables; bakery goods; olive oil; wine; soft drinks and beverages; confectionery and a host of gourmet foods and speciality lines.

Food processing is Australia's largest manufacturing industry and from the tropical north to the cooler south, diversity of our climate contributes to an extensive range of produce. Due to its southern hemisphere location, Australia offers counter-seasonal produce to many northern hemisphere countries.

Improving Food Processing in Four Key Areas

We are committed to the success of your food processing business through providing individually tailored electrical solutions, to meet your specific requirements in the most cost-effective way possible. Our goal is to build a long-term relationship and assist with the ongoing success of your business.

When you choose Clipsal by Schneider Electric, you are tapping into a vast global network of electrical and energy management expertise. Our aim is to provide you with the safest, most innovative, sustainable electrical solutions available.

Clipsal solutions keep you at the forefront of technology and improve your food processing plant across four key areas:

- Food Manufacturing Safety
- Energy Efficiency
- Maximising Uptime & Minimising Downtime
- Manufacturing Plant Consistency

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Food Manufacturing Safety

Electrical solutions that minimise contamination risk are essential. In stringent food processing environments, electrical products need to be safe, durable, reliable and compliant with industry regulations and standards.

Clipsal solutions assist to improve food manufacturing safety through:

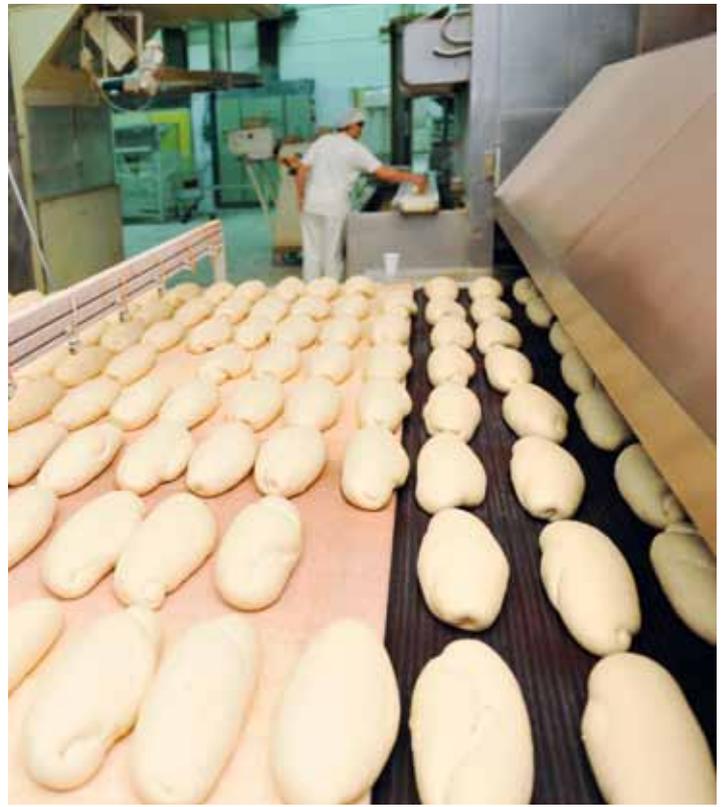
- IP56 to IP66 rated industrial switchgear to provide superior impact, water and dust resistance. This improves safety and hygiene in areas exposed to high pressure cleaning
- two high performance chemical resistant ranges for chemically aggressive environments
- laser engraved switchgear, preventing the risk of labeling peeling off and contaminating food
- ergonomic industrial switchgear design, which enables easy operation when wearing protective safety gloves
- intelligent lighting control systems to create a hands-free “switchless” environments, improving hygiene and staff safety
- a comprehensive selection of specialised cable management systems and solutions i.e. glass reinforced polycarbonate (GRP) cable ladders, which improves safety in environments exposed to live power
- an extensive range of commercial and industrial lighting with shatterproof glass and protective covers, reducing the risk of food contamination and improving staff safety
- anti-microbial coated products to reduce the transfer of bacteria.

Energy Efficiency

Due to the rapidly rising cost of energy, Australian manufacturing is under significant pressure to reduce energy consumption and associated costs. The ability to achieve more while using less presents substantial benefits in maintaining a competitive advantage.

Clipsal solutions assist to improve energy efficiency in food processing operations through:

- intelligent control to adjust lighting levels in accordance with natural ambient light (daylight harvesting). This prevents over illumination, while maintaining safe working light levels
- motion sensors and timers to activate lighting only when required, which can operate stand-alone or holistically as part of a lighting control system
- programming lighting to activate in specific zones at set times, preventing lights being left on unnecessarily and consuming excess energy
- lighting system monitoring, which provides information on lamp life and light quality. This prevents inefficient lighting, as staff know exactly which lamps need replacing
- lighting that utilises energy efficient lamp technology such as inductive fluorescent, LED, tungsten halogen, compact fluorescent, metal halide and high spectrum reflectors that half wattage consumption.



Maximising Uptime & Minimising Downtime

When selecting electrical products and solutions for manufacturing sites, reliability, safety and ease of use is essential in order to maximise operations and minimise downtime.

Poor selection can potentially increase operating expenditure (OPEX), cause unnecessary downtime and create potential OH&S hazards, which can all have a negative impact on productivity and profit.

Clipsal solutions contribute to maximising uptime and minimising downtime through:

- industry-leading industrial switchgear, with an extensive range of options and configurations to cater for specific applications. All Clipsal industrial switchgear provides superior performance, safety and reliability
- intelligent lighting control to provide accurate real-time monitoring of lamp life and light quality, reducing OH&S risks associated with lamp failure
- expert advice to ensure the right electrical solution for specific food processing requirements, with superior after sales service to provide peace of mind post installation
- efficient logistics to reduce installation downtime associated with late delivery of products. Clipsal has the largest distribution network of any electrical manufacturer in Australia, which allows greater access to products nationwide.

Manufacturing Plant Consistency

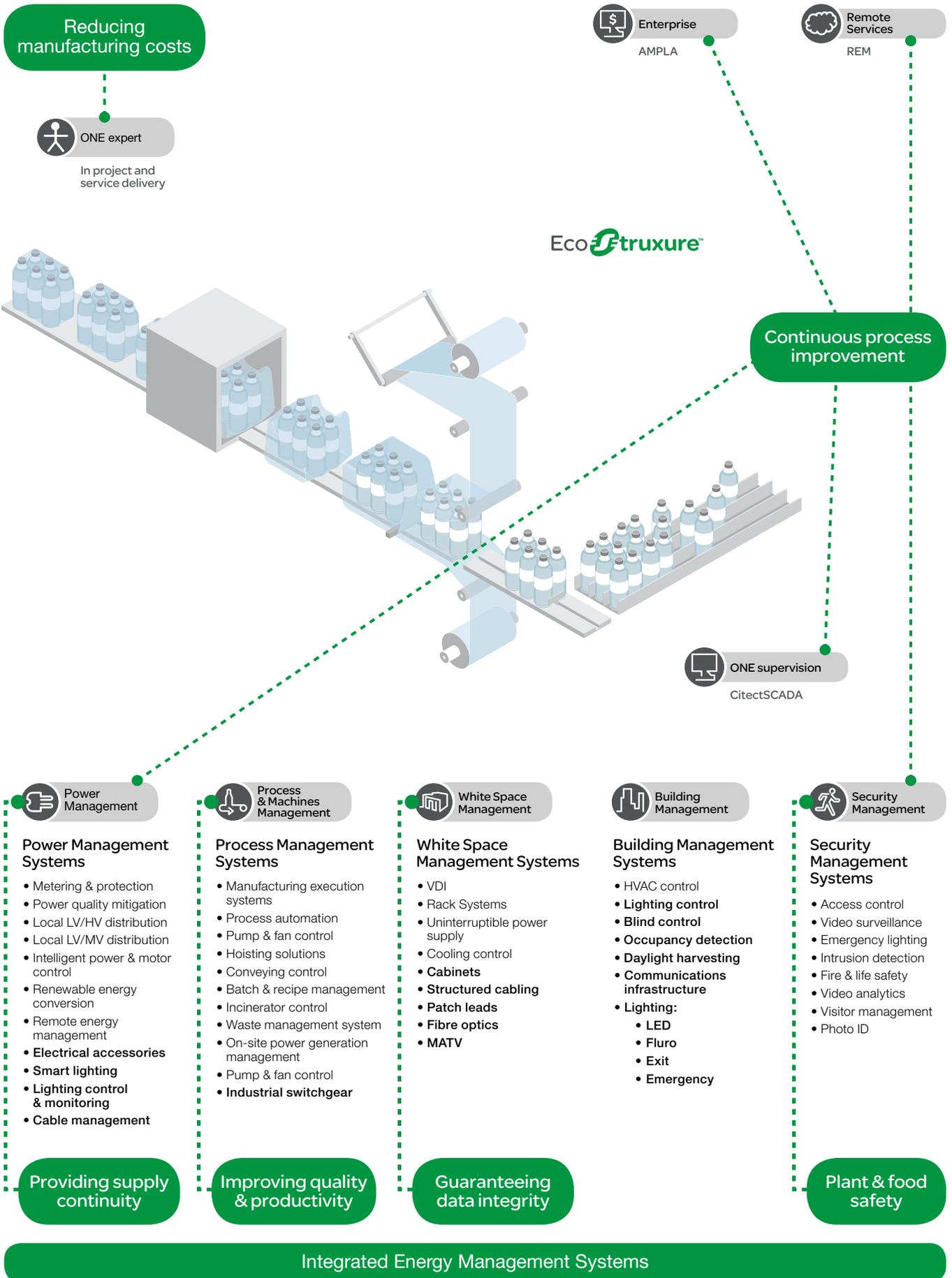
To maximise productivity, food processing plants need to be user-friendly, with consistency across the site (or multiple sites) to provide uniformity for maintenance staff.

Furthermore, in some instances automated systems can be integrated with building management systems (BMS) and other manufacturing sites, improving operational efficiency and usability.

Clipsal solutions improve manufacturing plant consistency for food processing through:

- intelligent programmable control systems to activate lighting in specific areas depending on shift times, preventing lights being left on when not required
- integration of lighting zones with sensors; switching lights on in specific areas when staff operate machinery
- remote intelligent lighting control, enabling technicians and maintenance staff to carry out diagnostics, fault-finding, and programming off-site
- modular industrial switchgear, RCD enclosures and data enclosures, which allow for changes and maintenance to be carried out quickly and easily
- integration of lighting with sensors and timers, providing staff with hands-free operation of lighting in specific areas when required
- high-level connectivity and advanced communication infrastructure utilising cutting-edge data and digital technology, with the ability to cost effectively adapt to new technologies
- a comprehensive range of commercial and industrial RCDs and MCBs for all switchboard and power requirements, ensuring circuit protection continuity.

Food Processing Solutions



Solutions that Benefit your Business

The powerful combination of Clipsal's extensive product range and Schneider Electric's global expertise in energy management, allows us to provide complete electrical solutions. This is achieved through:

- **One key vendor**

Clipsal offers in excess of 20,000 products and solutions, and can meet the specific requirements for any project. Expert advice and superior after sales service eliminates the costs and difficulties associated with using multiple vendors.

We can actively participate in project implementation. With assistance of our in-house Solution Design experts, we'll work closely with you to understand specific needs and create the best solution for your requirements.

- **Energy efficiency**

Our sustainable electrical solutions assist you to make the most of your energy and achieve more while using less. As global specialists in energy management we recognise the responsibility of coupling good business with good environmental outcomes. This is a key focus of all our electrical solutions.

We manufacture and supply reliable, sustainable electrical solutions to optimise energy usage, produce positive return on investment and comply with all relevant Australian and International Standards. This includes Green Star, National Australian Built Environment Rating System (NABERS) and Leadership in Energy and Environmental Design (LEED).

The company's corporate commitment to sustainability involves leveraging its capabilities to meet the customers' growing focus on energy usage and environmental practices. Our commitment to environmentally friendly product design (ISO 14001 Certification), compliance with RoHS, PVC minimisation strategy and strong portfolio of energy efficient products, reinforces the company's commitment to sustainability and best practice.

- **Customised solutions**

We can tailor electrical solutions to suit individual requirements. From the smallest installation to large systems, Clipsal solutions are highly scalable, allowing you to procure only what you need now and expand as your business grows.

- **Research & development**

By remaining at the forefront of technology, our innovative products and solutions deliver superior reliability, safety and performance. The company invests an average of \$20 million per annum on research and development, and have access to a vast pool of global expertise.

- **Safety, reliability & performance**

You can be confident that all Clipsal products and solutions meet stringent OH&S guidelines. All products are manufactured to comply with relevant Australian and International Standards, and meet Environmental Ratings, such as RoHS.

- **Partners in business**

Our goal is to build a long-term relationship with you, for the ongoing success of your business. We look beyond the project to find ways to add value in the future. When you engage Clipsal by Schneider Electric, you can be confident you are dealing with Australia's most experienced electrical solutions supplier and manufacturer. We strive in every aspect of the business, to provide all market sectors with high quality, intelligent, environmentally friendly, economical electrical solutions now and in the future.

Schneider Electric

From its inception back in 1836, Schneider Electric has become the global specialists in energy management, with presence in Australia since the early 60s. Today, Schneider Electric's commitment to Australia and New Zealand is a \$1.3 billion investment, with staff and factories around the world, and research and development centres in 25 countries.



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