



# **MECS Electrical & Controls**

Innovative, reliable, & tailored Solutions





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With a dedicated team of skilled professionals, MECS specialises in mechanical electrical installations, advanced control systems, BMS, refrigeration, and switchboard solutions.

MECS Group is a trusted, West Australia and family-owned electrical contracting company with a rich history of delivering high-quality solutions across commercial and industrial sectors.



## OUR SERVICES



Mechanical  
Electrical Services



Industrial  
Electrical



Refrigeration  
Electrical Services



Control  
Systems



### Our mission is simple:

to provide outstanding service and technical excellence in every project we undertake. As a one-stop shop for electrical and controls needs, we focus on building long-term relationships and tailoring solutions to meet the specific requirements of our clients. Whether it's a new installation, control system upgrade, or emergency maintenance, MECS stands out for its reliability, flexibility, and client-centric approach.

### WE WORK WITH A RANGE OF INDUSTRIES

No matter the size or industry, we're confident in our ability to protect and optimise your business.



Healthcare



Government and  
Defence



Retail  
Chains



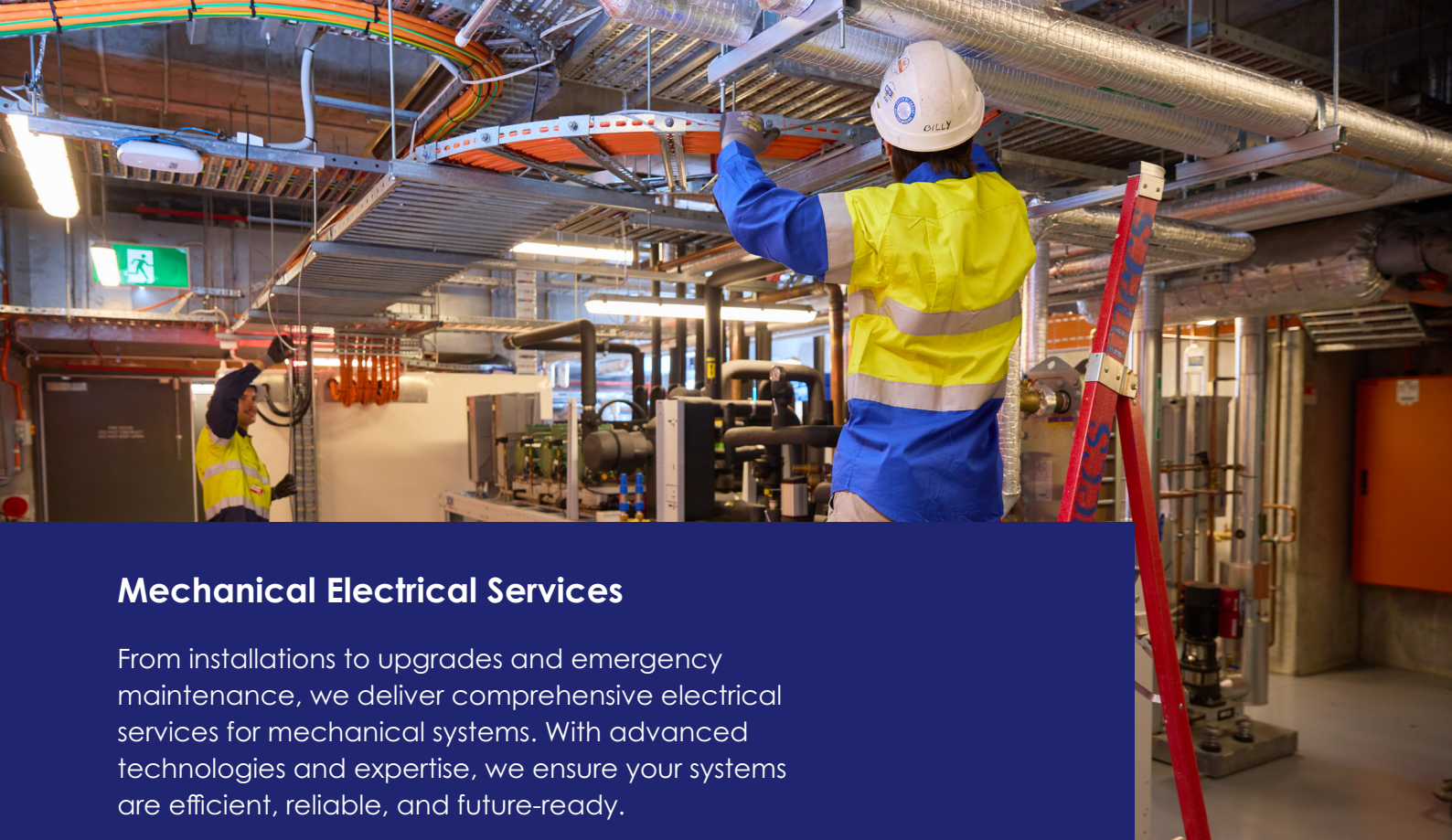
Industrial &  
Manufacturing



Education



Mining



## Mechanical Electrical Services

From installations to upgrades and emergency maintenance, we deliver comprehensive electrical services for mechanical systems. With advanced technologies and expertise, we ensure your systems are efficient, reliable, and future-ready.

### Key offerings include:

- System design, installation, and commissioning
- Troubleshooting and diagnostics
- Ongoing maintenance and emergency support

## Mechanical Services Switchboards (MSSB)

Our mechanical services switchboards (MSSBs) are custom-designed and built to meet your exact requirements. We ensure optimal performance for HVAC systems, pumps, and other critical mechanical equipment.

### What we deliver:

- Bespoke designs to suit your facility's need
- High-quality components for durability and reliability
- Full compliance with Australian standards

## Control Cubicles and Switchboards

We specialise in designing, manufacturing, and installing control cubicles and switchboards for seamless system operation.

### Features include:

- Integration with Building Management Systems (BMS)
- Compact, efficient designs tailored to your needs
- Scalable solutions for future growth

**We deal with  
people who want to  
deal with people**

**When we say we  
care, we mean it.**

Whether it's going the extra mile to get things right or being available when you need us, we're here to support you.

For us, it's not just about the job—it's about building relationships and delivering solutions that make a real difference for your business



## Industrial Electrical Services

We provide cutting-edge industrial electrical solutions that keep your operations running smoothly, efficiently, and safely.

### Motor Control and Automation

Streamline your operations with advanced motor control and automation systems. We design, install, and maintain solutions that improve precision, efficiency, and performance across your facility.

#### Key offerings include:

- Motor control centre (MCC) design and installation
- Programmable Logic Controllers (PLC) programming and integration
- Automation solutions for seamless process management

### VSDs & Soft Starters

Enhance efficiency and extend the lifespan of your equipment with Variable Speed Drives (VSDs) and soft starters. Our expertise ensures precise motor control tailored to your operational needs.

#### Our solutions include:

- Energy-saving VSD installations and upgrades
- Soft starters for reduced wear and tear on motors
- Comprehensive diagnostics and maintenance

### Power Monitoring and Rectification

Take control of your power usage with advanced monitoring and rectification solutions. We help you identify inefficiencies, reduce costs, and improve overall system performance.

#### Features include:

- Real-time power monitoring and reporting
- Harmonic filtering and voltage correction
- Customised solutions for optimal power quality



## Control Systems Services

We specialise in designing, installing, and maintaining advanced control systems that optimise your operations.

### Building Management Systems (BMS)

Streamline your facility's operations with fully integrated Building Management Systems. We specialise in designing and installing BMS solutions that centralise control, improve energy efficiency, and provide real-time data for informed decision-making.

#### Key offerings include:

- Design and installation of customised BMS solutions
- Integration with existing systems for seamless functionality
- Energy monitoring and optimisation for cost savings

### HVAC Chiller Controls

Keep your building's climate systems running efficiently with advanced HVAC chiller controls. Our systems ensure precise temperature regulation, improved energy performance, and enhanced occupant comfort.

#### Features include:

- Tailored control solutions for HVAC chillers
- Energy-efficient designs to reduce operational costs
- Integration with BMS for centralised management

### Refrigeration Rack Controls

Ensure your refrigeration systems are operating reliably with our expert refrigeration rack control solutions. We specialise in designing systems that maximise performance while minimising energy consumption.

#### What we provide:

- Customised control systems for CO<sub>2</sub>, Freon, and ammonia racks
- Troubleshooting, maintenance, and upgrades for optimal performance
- Solutions that prioritise energy efficiency and reliability



## Refrigeration Electrical Services

Whether it's CO<sup>2</sup> and ammonia compressor racks, supermarket cabinet wiring, or cold storage facilities, we design and maintain systems tailored to your needs.

### CO<sup>2</sup> & Ammonia Compressor Racks

We specialise in electrical solutions for CO<sup>2</sup> and ammonia compressor racks, ensuring energy-efficient and reliable refrigeration for your facility.

#### Key offerings include:

- Customised electrical systems for CO<sup>2</sup> and ammonia refrigeration
- Energy-efficient solutions to reduce operating costs
- We use brands such as RDM, Danfoss, and Emerson

### Supermarket Cabinet & Cool Room Wiring

From traditional solenoid and thermostat control to the latest electronic expansion valves to maximise efficiency. Our solutions are designed to meet the demands and budget each specific retail environment.

#### What we deliver:

- Custom electrical installations for supermarket displays and cabinets
- Designs to suit all budgets
- Ongoing maintenance to ensure consistent performance

## Cold Storage Facilities & Clean Rooms

We provide tailored electrical solutions for cold storage facilities and clean rooms, ensuring optimal performance and compliance with industry standards.

#### Key offerings include:

- Electrical installations for cold storage and temperature-controlled environments
- Energy-efficient designs to minimise costs
- Preventative maintenance and 24/7 support

## Refrigeration Electrical Maintenance

Minimise downtime and extend the life of your refrigeration systems with our reliable maintenance services.

#### What we deliver:

- Scheduled maintenance for refrigeration systems
- Emergency repairs and troubleshooting
- System diagnostics to prevent issues before they occur



## Hazardous Area Services

We specialise in hazardous area certification to ensure your systems are compliant, safe, and reliable. Operating in hazardous areas comes with unique challenges and strict regulations, and we're here to help you navigate them with confidence.

### Hazardous Area Certification

We provide complete certification for electrical installations in hazardous areas, ensuring compliance with the relevant regulations.

#### Our certification services include:

- Site inspections and audits
- Documentation and compliance reports
- Detailed risk assessments

### Design and Installation

Our team specialises in designing and installing electrical systems that are safe and reliable for hazardous environments. We work closely with

you to deliver tailored solutions that minimise risks and ensure operational efficiency.

### Maintenance and Upgrades

To keep your systems safe and compliant, we offer ongoing maintenance and upgrades for hazardous area installations. Our proactive approach ensures your systems continue to meet industry standards while maintaining peak performance.

## Why Choose MECS for Mechanical Electrical?

### Reliable and Responsive Service

We're available around the clock, ensuring your systems are always operational. Our team prioritises rapid response times and minimal downtime, no matter the challenge. Anywhere, anytime.

### Innovative Solutions

We leverage the latest technologies and partner with industry leaders like ABB, Alerton, and RDM to deliver advanced systems that optimise efficiency and performance.

### Cost-Effective Alternatives

As a trusted family-owned business, we provide competitive pricing without compromising on quality. You get superior service without the high-cost overheads of larger companies.

### Genuine Care and Commitment

Your success is our priority. We work closely with you to ensure every solution is tailored, effective, and delivered with integrity.





## Tailored Solutions for Every Industry

We're proud to deliver innovative and reliable electrical solutions across a wide range of industries.

Whether you need a custom-built switchboard, control cubicles, or end-to-end system design, we're here to help—anywhere, anytime.



### Healthcare

#### Value we bring:

- Experience in working in and around critical facilities
- Our team work around the clock so disruptive works are expertly planned and executed
- Expertise in designing and maintaining compliant systems



### Education

#### What we offer:

- CO<sup>2</sup> monitoring for a healthy environment
- Integration of energy monitoring systems to manage consumption
- Reliable maintenance to avoid disruptions during critical periods



### Government and Defence

#### Key benefits:

- Our staff are DCAC permitted and have all passed federal police checks
- Open protocol products so in-house technicians can maintain systems
- 24/7 support for uninterrupted operations



## Retail Chains

### Why choose us:

- We specialise in retail control brands like RDM, Danfoss, and Emerson
- We have experience in refrigeration & HVAC offering 1-stop shop
- Preferred refrigeration electrical contractor for Australia's supermarket chains



## Industrial & Manufacturing

### Our expertise includes:

- VSDs and motor control solutions
- Supply only or supply and installation of switchboards and control cabinets
- Preventative maintenance to reduce unplanned downtime



## Mining

### What we deliver:

- With our sister company, we can support your mining operation with innovative, reliable solutions
- Specialising in Non-Process Infrastructure



## Supporting the People Who Keep Operations Running

Our expertise spans multiple sectors, and we pride ourselves on being a trusted partner for facility managers, contractors, and building owners.

With 24/7 responsiveness, innovative solutions, and a commitment to care, we ensure your operations are always running smoothly.

## Our Leadership Team



Brett McDonald  
Managing Director



Josh Roach  
General Manager



Jayden Watkins  
Operations Manager



Jack Ladiges  
HVAC Supervisor



Ross Gibson  
Group Construction  
Manager



Peter Karreman  
Relationships Manager

## Our Values

### Trust

Trust each other and our process's to achieve

### Challenge

Challenge ourselves and those around us to be the best version of ourselves.

### Tribalism

To seek out and connect with like minded people with fierce loyalty.

## Genuine Care and Commitment

We care about what we do and the people we do it for. Your success is our priority. When we say we care, we mean it. Whether it's going the extra mile to get things right or being available when you need us, we're here to support you. For us, it's not just about the job—it's about building relationships and delivering solutions that make a real difference for your business.

## Reliable and Responsive Service

We're here when you need us—24/7, ready to ensure your systems run smoothly and that you get the support you need, when you need it.

*"anywhere anytime"*

We get it—when your systems are down, it costs you time and money. That's why we're available around the clock to respond to emergencies, provide regular maintenance, and make sure everything runs like clockwork. You can rely on us to show up, get the job online and commissioned, and keep your operations moving without minimal interruptions.

MECS is proudly trusted by great businesses.



## Key Projects

### Client-Centric, Tailored Approach

We take the time to understand what you need and deliver solutions that are tailored to your specific goals and challenges. difference for your business.

#### Malvern Springs Primary School HVAC Control System Upgrade

The project involved the installation of a cost-effective and open protocol control system to manage the Heating, Ventilation, and Air Conditioning (HVAC) systems at Malvern Springs Primary School. The primary objective was to enhance the learning environment by ensuring optimal indoor air quality and temperature control, thereby promoting student comfort and well-being.



#### Center West Carrot Farm Ammonia Plant

This project involved the in-house manufacturing of a switchboard designed to manage power distribution and integrate Siemens controls. The system was engineered to monitor and regulate water flow via Variable Speed Drives (VSDs) and establish a high-level interface with the Programmable Logic Controllers (PLCs) in the four GEA ammonia compressor sets. This setup enables remote monitoring and comprehensive control of the entire system.

#### Farmer Jack's Ashby Refrigeration System Design and Installation

MECS Electrical & Controls was contracted to design and install a comprehensive refrigeration system for the new Farmer Jack's supermarket in Ashby. The project encompassed the installation of glass door freezers, cool rooms, and freezer rooms, all managed by the Emerson Site Supervisor control system, enabling remote monitoring and management.





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