



CAPABILITY STATEMENT



A member of the
SCEE GROUP

TRIVANTAGE MANUFACTURING

Leading the way in the design and manufacture of switchboards, power distribution systems and packaged electrical solutions in the commercial, infrastructure and resources sectors.

For over 50 years Trivantage Manufacturing has earned a reputation nationally for the design, manufacture and installation of the highest-quality Australian made commercial and industrial switchboards.

Established in 1968 and now part of the SCEE Group, Trivantage Manufacturing has delivered tens of thousands of electrical switchboards earning an enviable track record of quality and reliability. In more recent times the Trivantage Manufacturing product range has expanded beyond the traditional switchboard offering to now include a range of Australian designed and manufactured LV and HV power distribution products.

At Trivantage Manufacturing we take care of all of our client's needs. We have the capacity to undertake and manage design, sheetmetal fabrication, powder coating, assembly, testing, installation and project management 'in-house' from five manufacturing facilities across Australia which enables us to deliver complete turn-key solutions.

Our clients value our consultative approach, our meticulous attention to detail and our ability to deliver quality solutions that meet their specific need.

From the harshest outback conditions to skyscraping city sites, Trivantage Manufacturing design cost-effective, purpose-built switchboards and power distribution systems that provide the highest levels of reliability and flexibility while meeting the particular challenges of the location.

To consistently build the best switchboards and power distribution systems in Australia you need a team that understands Australian conditions. This is why we design and manufacture all of our products locally. Trivantage Manufacturing ensures its people are of the highest calibre and this reflects in the quality of the products we supply to the market. At Trivantage Manufacturing, professional expertise is valued and rewarded, so our clients benefit from better outcomes.

Over the past 50 years, we have designed and built in excess of 50,000 switchboards and many of the customers that we first started building switchboards for remain customers today.

Our membership of the SCEE Group gives us access to resources, skillsets and support significantly greater than many of our competitors.



A man with a beard, wearing a yellow high-visibility shirt with 'TRIVANTAGE MANUFACTURING' printed on it, is working on a large metal structure in a factory. He is looking up and reaching his right arm towards a horizontal beam. The background shows industrial equipment and lighting.

A leading Australian
manufacturer diversified
across three broad sectors
of commercial, resources
and infrastructure.

THE SCEE GROUP

Southern Cross Electrical Engineering Limited ("SCEE Group") was founded in 1978 and listed in 2007 (ASX:SXE).

Over time the SCEE Group has grown to be a leading and trusted national provider and manufacturer of specialised electrical, instrumentation, communications, security, fire, and maintenance services and products and is diversified across three broad sectors of resources, commercial and infrastructure. Its diversification is supported by a successful track record of acquiring value accretive businesses: Datatel in 2016, Heyday in 2017, the Trivantage Group (S.J. Electric, SEME Solutions, and Trivantage Manufacturing) in 2020, MDE Group in 2024, and Force Fire in 2025. The SCEE Group is positioned to service the electrification and decarbonisation themes shaping our economy.



ORGANISATIONAL STRUCTURE



SCEE Electrical is the original operating business of the SCEE Group, historically focussed on resources and industrial projects, but more recently diversified into transport, infrastructure, defence, utilities and renewables.

To find out more visit www.sceeelectrical.com.au



Datatel is a Perth based electrical contractor and communications specialist, delivering high-end commercial fit-outs, and providing services to the corporate, retail, education, health, government, resources, transport and telecommunications sectors.

To find out more visit www.datatel.com.au



Heyday Group

Heyday is a NSW and ACT-based electrical contractor undertaking commercial building construction and fit-outs, and servicing the office, retail, hotel, high-rise residential, education, health, transport, industrial and data centre sectors.

To find out more visit www.heyday5.com.au



S.J. Electric is a national provider of electrical and maintenance services to supermarkets, and the retail, commercial and water sectors.

To find out more visit www.sjelectric.com.au



SEME Solutions provides electronic and physical security services to the resources, law-enforcement, custodial, industrial, commercial building and health sectors.

To find out more visit www.seme.com.au



Trivantage Manufacturing is a leading manufacturer of packaged electrical solutions including premium quality switchboards, kiosk substations and switchrooms, covering low to high voltage capabilities across the infrastructure, resource and commercial sectors.

To find out more visit www.trivantage.com.au



MDE operates in New South Wales as a comprehensive provider of communications, data and electrical services, with a strong presence in the commercial building construction and fit-out industry. Their expertise spans across several key sectors, including data centre, healthcare, fit-outs and BMCS installations.

To find out more visit www.mde.net.au



Force Fire is a leading New South Wales and Queensland-based provider of fire safety solutions to the commercial and industrial sectors and has both mechanical ("wet fire") and electrical ("dry fire") capabilities.

To find out more visit www.forcefire.com.au

OUR MARKETS

Delivering the highest quality power distribution products to Australian businesses.

Trivantage Manufacturing have been designing, manufacturing and installing the highest quality electrical switchboards for over 50 years.

COMMERCIAL



We are experts in the design, manufacture and maintenance of the highest quality electrical switchboards in retail and commercial buildings. We work with leading contractors, consultants and end users in the delivery of Australian made main switchboards, distribution boards, and motor control centres.

RESOURCES



Our experienced team delivers custom built switchboards, kiosk substations and transportable switchrooms to some of Australia's largest mine sites. Our products are designed to withstand the harshest Australian conditions in some of the most remote locations across the country.

INFRASTRUCTURE



We work alongside leading contractors supplying power distribution and motor control products for private and publicly funded infrastructure projects. Our teams undertake major and minor projects in the government, healthcare, renewables, utilities and data, water and wastewater, communications sectors delivering LV and HV power distribution solutions.

THE TRIVANTAGE MANUFACTURING DIFFERENCE

STRONG SUPPORTIVE MANAGEMENT AND A SAFETY-FIRST WORKPLACE

We aim to be a great employer with the best trained people, so our clients benefit from our highly motivated workforce. We invest in our team's development, support their wellbeing, and provide the best equipment. Safety is paramount and we focus on achieving zero harm.

NATIONAL REACH

We are a truly national business with manufacturing facilities located in Melbourne, Sydney and Brisbane as well as a support network of offices covering six states. Our extensive coverage provides great reach across the nation which gives us a competitive advantage when it comes to delivering the largest of projects.

ORIGINAL EQUIPMENT MANUFACTURER

As an Original Equipment Manufacturer (OEM) we work with our customers to source HV and LV switchgear, transformers, and battery storage systems to suit their preferences, ensuring optimal compatibility with the overall project's electrical design. Our Group purchasing power ensures we can source these components at the most competitive prices.

INNOVATION

We were one of the first Australian switchboard manufacturers to develop, design and manufacture switchboards to AS/NZS 61439 standard. This was an intensive R&D process that enabled us to become a true market leader in the delivery of AS/NZS 61439 design verified switchboards.

REPUTATION FOR QUALITY AND TECHNICAL EXPERTISE

We have built a reputation for delivering outstanding projects, innovative solutions and performing above and beyond for our clients. At the heart of our business is a highly valued group of long-term clients who trust us and have consistently invested in our products.

AUSTRALIAN DESIGNED AND MANUFACTURED

Not only are all of our switchboards and power distribution products designed and manufactured locally but our teams take care of the entire process in-house delivering a true turnkey service.



OUR CAPABILITIES

LOW VOLTAGE POWER DISTRIBUTION PRODUCTS

At Trivantage Manufacturing we provide a complete turnkey offering that includes the management of all electrical switchboard design, sheetmetal fabrication, powder coating and assembly using our ISO14001 & ISO9001 certified control measures, whilst ensuring production standards and deadlines are always met. This provides peace of mind for our clients.

MAIN SWITCHBOARDS AND MOTOR CONTROL CENTRES

Trivantage Manufacturing's SEGURA brand is an in-house designed, full range of electrical switchboards that are compliant with the Australian standards AS/NZS 61439.1:2016. The SEGURA range is Australian designed and manufactured and are comprised of Design Verified (to AS/NZS 61439.1:2016) main switchboards and motor control centres through to a distribution board system and meter panels. As an OEM we partner with leading technology providers and can offer the right brand of switchgear to best suit the overall electrical design. The SEGURA range is manufactured locally in our Melbourne, Sydney, and Brisbane workshops and can be customised with a range of options and sizes.

Design verified to AS/NZS 61439.1:2016 at 415V & 690V

Zinc anneal mild steel, aluminium or stainless-steel construction

Modular non welded or custom-built fully welded construction

Powder coating in a wide range of colours, ripple, orbital or polished finishes available

Degree of ingress protection up to IP66

Current ratings up to 6300A Short circuit withstand capacity up to 100kA for 1 second and 50kA for 3 seconds

Form of internal separation up to Form 4b

Voltage ratings up to 1000V

A range of configurations – front connect, rear connect or back-to-back

Temperature rise testing 3200A, 4000A & 6300A ACBs*

Internal arcing fault compliance:

- 415V 65kA Line and load side of outgoing units
- 415V 65kA Main and distribution bus bars
- 415V 65kA Line side of incoming unit (duration 210ms)
- 690V 60kA Line and load side of outgoing units
- 690V 60kA Main and distribution bus bars
- 690V 60kA Line side of incoming ACB 300ms

* Contact Trivantage Manufacturing for further details on the Maximum Rated Currents (inc) and Rated Diversity Factor (RDF) that may apply to your switchboards in accordance with the Trivantage SEGURA design verification testing.

DISTRIBUTION BOARDS

Every aspect of the design of the SEGURA distribution board has been aimed at maximising layout, reducing installation costs and minimising the impact and cost of changes for our customers. Our innovative SEGURA distribution boards come in various shapes and sizes to suit customer requirements and project specifications allowing our boards to be used in many types of settings – industrial plants, high-rise complexes, hospitals and commercial buildings.

Available up to 630A main isolator

Up to 108 pole per chassis

Available in a dimension to suit customers requirements

Removable top and bottom gland plates

Schedule holder

Wall mounted or freestanding

Slotted duct for better cable management

Top and/or bottom DIN knock-out facility (30 module wide)

Double screw, split earth and neutral bars fitted

Equipped with sturdy flush lock

Hinged door, Key lockable

Removable/reversible door

All of our switchboards come pre-wired for quick and easy installation, with sufficient space and termination for large cables where required

Modular non welded or custom-built fully welded construction

Zinc anneal mild steel, aluminium or stainless steel construction

Powder coating in a wide range of colours, ripple, orbital or polished finishes available

Certification to IP66

Smoke sealed options available

Stocked item or fully customized to your requirements

Variety of escutcheon options

Multiple gland plate options including: aluminium, brass, steel, PVC with top and bottom entries

Plinth, rainhood and flush mount options

DIN and moulded case circuit breaker suitable

Optional schedule holder

METER PANELS

Our innovative SEGURA meter panels have been designed by experienced electrical technicians to meet the highest Australian standards. Our meter panels have all the standard features you would expect but also have options that provide the flexibility and space you need to work comfortably and efficiently. We also ensure that our meter panels are compliant with each State/Territory SIRs (Service and Installation Rules).

Hinged meter panel

Standard panel board depth 270mm

Range of complementary tee-off boxes available

Side hinge door

Removable door

Surface wall mounted or freestanding

Removable hinged electrical panel

IP rating ranging from IP21 to IP66

Optional schedule holder

Variety of escutcheon options

Multiple gland plate options including: aluminium, brass, steel, PVC with top and bottom entries

Plinth, rainhood and flush mount options

DIN and moulded case circuit breaker suitable

END CLIENT APPROVED SWITCHBOARDS

At Trivantage Manufacturing we understand that end users often procure their switchboards through a chain of builders and contractors, losing the ability to control the design and quality of their switchboards. We work with end users to design pre-approved switchboards that can be specified in procurement contracts to ensure the end user receives the quality products that it requires.

Specialised LV switchboard products include:

Industrial refrigeration and infrastructure motor control centres

Mechanical services switchboards

We also provide the following products and services:

Sheetmetal fabrication

Switchboard servicing (planned and reactive maintenance)

LOW VOLTAGE POWER DISTRIBUTION PROJECTS

WESTCONNEX PROJECT (M4 AND M5)



Client: CPB/Lendlease

Location: Sydney, New South Wales

Market: Infrastructure

Capabilities: Design and Manufacture LV Switchboards

Scope of Work: Trivantage Manufacturing was engaged to design and manufacture a range of 690V and 415V Segura main switchboards and distribution boards for the high profile WestConnex motorway extension in Sydney.

As the motorway provides crucial support for Sydney's long-term economic and population growth, our client had to have confidence that the LV switchboards installed were designed and manufactured with long-term asset longevity in mind.

Working to a very tight deadline our Trivantage Manufacturing team delivered in excess of 300 boards in a range of configurations to the M4 and M5 sections of the extension.

CADIA MINE MOTOR CONTROL CENTRES



Client: Ampcontrol

Location: Panuara, New South Wales

Market: Resources – Gold

Capabilities: Design and Manufacture LV Switchboards

Scope of Work: Trivantage Manufacturing was engaged to design and manufacture two Segura Motor Control Centres (MCC's) for one of Australia's largest gold mining operations. Each MCC is rated at 1000V, 2500A, with a short circuit withstand of 20 kA for 1 second.

Designs for these MCC's were developed in-house by our highly skilled workforce, experienced in manufacturing products to withstand the harsh conditions required in the mining industry.

These 100% Australian manufactured MCC's demonstrate Trivantage Manufacturing's ability to deliver switchboards compliant to the most stringent of mine specifications.

KWINANA BESS PROJECT



Client: Teck Global

Location: Kwinana, Western Australia

Market: Renewables – Lithium

Capabilities: Design and Manufacture LV Switchboards

Scope of Work: Trivantage Manufacturing was engaged to design, manufacture and deliver eight 4000A LV switchboards and eight 4000A custom built busduct to the client's workshop in WA.

The Trivantage Manufacturing team took care of every aspect of the project, which consisted of design, manufacture and factory acceptance test (FAT).

BRISBANE INTERNATIONAL CRUISE TERMINAL



Client: Perigon

Location: Queensland

Market: Infrastructure – Transport

Capabilities: Design and Manufacture LV Switchboards

Scope of Work: Trivantage Manufacturing delivered two custom-built outdoor MSBs (Main Switchboards) and one modular indoor Segura MDB-2 (Distribution Board) to the Brisbane International Cruise Terminal built at Brisbane Port in Queensland.

The outdoor MSBs were constructed using stainless steel, rated to IP56.

Trivantage Manufacturing managed to deliver on an eight week accelerated program. With our in-house sheetmetal team supplying the two outdoor enclosures and modular MSB, we were able to deliver the first MSB in just five weeks from order confirmation.

WESTGATE TUNNEL



Client: CPB Contractors and John Holland (CPBJH JV)

Location: Melbourne, Victoria

Market: Infrastructure – Transport Road

Capabilities: Design and Manufacture LV Switchboards

Scope of Work: Trivantage Manufacturing designed and manufactured a comprehensive switchboard package for Melbourne's Westgate Tunnel project. This included main switchboards, motor control centres, distribution boards, and kiosk substations.

Products supplied featured Segura Boards with ATs and multiple outgoing supplies, sub switchboards, and outdoor distribution boards. Kiosks were fitted with ring main units, transformers, LV switchboards, GDBs, UDBs, ATS panels, maintenance bypass boards, USB switchboards, and isolator panels.

We also delivered transformers (22kV/690V and 22kV/400V), enclosures (750kVA to 3000kVA), busducts, RMUs, battery systems, PFC panels, bypass switches, and generators.

NORTH EAST LINK



Client: Spark NEL JV (Webuild, GS Engineering & Construction, CPB Contractors)

Location: Melbourne, Victoria

Market: Infrastructure – Transport Road & Tunnel

Capabilities: Design and Manufacture LV Switchboards

Scope of Work: Trivantage Manufacturing was engaged to design and manufacture a full suite of low voltage switchboards for the North East Link Program (NELP), Victoria's largest road infrastructure project. The package includes main switchboards, motor control centres, distribution boards, UPS panels, and control systems for tunnel and pump station infrastructure. Leveraging our proven Segura board design and experience from the Westgate Tunnel and WestConnex, this major supply-only contract supports staged deliveries through to mid-2027, with extended warranty coverage through June 2028.

SWITCHBOARD HEALTH CHECKS



Electrical distribution equipment is not immune to ageing and it will slowly deteriorate over time.

Factors such as the environment or the conditions in which it is operated can speed up this process. In order to continue to effectively distribute power, the switchboard will require routine maintenance.

We offer a range of services to monitor the performance of the switchboards and can provide reports to determine if your switchboards are at risk.

Specific testing includes:

1. Physical observation of the live switchboard:
 - Blown indicator lamps
 - Excessive build-up of dust or ingress of water
 - Condition of doors, locks, gaskets and seals
 - Signs of corrosion or overheating
2. Review of the switchboard design to confirm compliance with current electrical regulations
3. Basic clean-up of the board including:
 - Vacuuming and removal foreign objects
 - Replacement of filters
 - Touch ups of damaged paint work to avoid rust
4. Protection device testing (RCDs, circuit breakers etc)
5. Calibration of existing check metering
6. Measure the electricity consumption to confirm the adequacy of the switchboards design, the sizing of devices and the internal structural integrity, in order to verify that the switchboard continues to be fit for purpose
7. Thermographic scan of switchboard including bolted joints

We also provide 24/7 reactive maintenance services across Australia, including generator supply, to ensure any loss of power is rectified and your business is back up and running as quickly as possible.



KIOSK SUBSTATIONS

At Trivantage Manufacturing we realise kiosk substations are an integral part of any complete electrical network.

Our custom-made construction allows for flexibility in sizing, layout, application, inspection and maintenance of equipment.

As a part of our complete service our products include interconnecting cabling between HV equipment, transformers, LV switchboards, control and protection equipment, terminated and factory acceptance tested prior to delivery to site. At Trivantage Manufacturing our Australian designed and manufactured kiosk substations provide a turnkey offering. We take care of everything from the enclosure fabrication right through to on-site delivery.

HV switchgear, Ring Main Units (RMUs) and Transformer (TX) – sourced from a range of world leading suppliers

LV switchboards – utilising our Australian made Segura range

Ingress protection up to IP66

Natural ventilation or HVAC solutions

Cabling between HV/TX/LV

Internal/external power and lighting

HV Metering panels

Remote Control panels

Pre-commissioning and testing completed before factory dispatch.

KIOSK SUBSTATION PROJECT

MAJOR AUSTRALIAN DATA CENTRE GROUP



Client: Siemens

Location: Sydney, New South Wales and Melbourne, Victoria

Market: Infrastructure – Data Centre

Capabilities: Design and Manufacture Kiosk Substations

Scope of Work: Trivantage Manufacturing were engaged to design and manufacture a range of kiosk substations for the client's Sydney and Melbourne data centres.

The project program dictated that a total of 64 Kiosks were needed to be delivered in three stages to two locations keeping to a very tight delivery schedule.

The Kiosks included:

- Installation of 22KV Transformers and Ring Main Units
- Engineering and assembly of the plinths and kiosk enclosures
- Commissioning and termination of HV cabling
- Manufacture of LV switchboards and installation of LV cabling
- Installation of PLC and associated components
- Client witness factory acceptance testing

Given the extremely tight delivery schedule, Trivantage Manufacturing worked closely with our in-house sheetmetal team to develop a standardised modular design that would deliver a fully equipped kiosk that could be manufactured in both our Queensland and Victorian workshops concurrently.

The ability to be able to keep all of the work in-house as well as being able to utilise multiple workshop facilities nationally is what separates Trivantage Manufacturing from its competitors. Maintaining complete control throughout the project, and offering one point of contact for our client ensured a faster, higher quality manufacturing process.

SPECIALISED HV/LV SOLUTIONS

Our experienced in-house engineering team often works closely with our clients and industry consultants to design customised solutions to any HV/LV electrical power distribution requirement. Whether there are access issues, sizing restraints, unique weather conditions, or complicated electrical specifications, we work with our customers to design and deliver a specialised quality solution.

SPECIALISED HV/LV SOLUTIONS PROJECTS

ANGAU MEMORIAL HOSPITAL (PNG)



Client: CPB

Location: Lae, Papua New Guinea

Market: Infrastructure – Hospitals

Capabilities: Design and Manufacture HV/LV Solutions

Scope of Work: Trivantage Manufacturing was engaged by the principal contractor to manufacture and supply the HV and LV electrical switchgear for the new hospitals HV network.

The scope of works included the supply of HV switchgear and generator control panel incorporated into an enclosure on a fabricated platform, connected to step-up-oil-type transformers and a range of LV switchboards.

This project showcases Trivantage Manufacturing's ability to deliver an end to end HV and LV solution in-house, encompassing the design, manufacture, and supply of a wide range of switchgear and enclosures.

CAMPBELLS SOUP OUTDOOR ENCLOSURE



Client: Schneider

Location: Melbourne, Victoria

Market: Commercial

Capabilities: Design and Manufacture HV/LV Solutions

Scope of Work: The manufacturing team always enjoy the challenge of working on new products and the Campbells Soup outdoor enclosure was one of those projects. The client required a design that allowed access to the HV switchgear yet had space constraints preventing standard doors from being used.

Our design team developed a solution using a roller door allowing the required access without impeding on the available space.

Working to a tight schedule, the team managed to manufacture and deliver in only four weeks.

TRANSPORTABLE SWITCHROOMS

Trivantage Manufacturing specialises in the design and manufacture of electrical transportable switchrooms for a diverse range of industries.

We manage the turnkey construction, fit-out and certification of our switchrooms in-house. The real benefit of using Trivantage is our ability to fully integrate electrical hardware and conduct full functional testing before dispatch.

Our prefabricated, transportable switchrooms are custom designed and fit for purpose. They are suitable for LV or HV applications, or a combination of both, including the integration of these assemblies within the transportable switchrooms. Our comprehensive knowledge, prior experience and customer interaction provides an invaluable understanding of the entire process, from design to installation through to on-site delivery.

Features include:

Support columns, access platform landings and stairs

Prefabricated steel wall frames

Welded structural steel base frames

Colorbond sheet steel internal and external lining

18mm CFC flooring with vinyl covering

Switchroom lighting and small power distribution systems

120/120/120 fire rating

Fire suppression and smoke detection systems

Heating, Ventilation & Air-Conditioning (HVAC) systems

Factory fit-out of switchgear

All switchrooms are designed and manufactured to Australian standards:

Complete turn-key solution

Delivery Australia-wide

TRANSPORTABLE SWITCHROOM PROJECTS

BRYN ESTYN WATER TREATMENT PLANT SWITCHROOM



Client: Taswater

Location: Plenty, Tasmania

Market: Infrastructure – Water

Capabilities: Design and Manufacture Transportable Switchrooms

Scope of Work: Trivantage Manufacturing delivered a fully operational Transportable Switchroom to our clients' site in Tasmania via ship.

The Trivantage Manufacturing team took care of every aspect of the project which consisted of design, manufacture, factory acceptance test (FAT) followed by multiple virtual inspections.

At 16 metres long, 3.9 metres wide and weighing 35 tonnes, the Trivantage Manufacturing team fitted out the switchroom which included an 11 Panel 22kV withdrawable switchboard, 48Vdc battery charger and lithium batteries, light and power distribution board, remote switching panel, communication cabinet and a network I/O panel.

TRANSPORTABLE SWITCHROOM PROJECTS

MANDALONG SWITCHROOM



Client: Cummins

Location: Mandalong, New South Wales

Market: Resources – Coal

Capabilities: Design and Manufacture Transportable Switchrooms

Scope of Work: Trivantage Manufacturing delivered a fully operational transportable switchroom to our clients' mine site in Mandalong, NSW.

The Trivantage Manufacturing team took care of every aspect of the project which consisted of design, manufacture, factory acceptance test (FAT) followed by multiple virtual inspections, ensuring the smoothest of processes for our client.

At 12.9 metres long, 4.8 metres wide and weighing 35 tonnes, the Trivantage Manufacturing team fitted out the switchroom with HV switchgear, a motor control centre, heating, ventilation and air-conditioning (HVAC) systems, fire suppression and smoke detection systems, as well as small distribution systems, all of which were assembled in-house.

This project showcases Trivantage Manufacturing's ability to deliver true turn-key switchroom solutions.

WESTERN TREATMENT PLANT SLUDGE DRYING PANS



Client: GID

Location: Werribee, Victoria

Market: Infrastructure – Water

Capabilities: Design and Manufacture Transportable Switchrooms

Scope of Work: Trivantage Manufacturing delivered a fully operational transportable switchroom to the client's site in Werribee, Victoria.

The Trivantage Manufacturing team were responsible for the structural and electrical design of the switchroom and associated equipment working closely with all stakeholders from design concept stage right through to factory and site acceptance.

At 7.2 metres long and 3.2 metres wide, Trivantage Manufacturing was responsible for the manufacture of the switchroom, main switchboard and PLC control panels plus the installation of fire services, variable speed controls and air conditioning. Stairs, platforms and support pillars were also provided as part of the complete solution.

BATTERY ENERGY STORAGE SYSTEMS

Battery storage, or battery energy storage systems (BESS), are devices that enable energy from renewables, like solar and wind, to be stored and then released when customers need power most.

In an effort to keep increasing our footprint in the growing renewable energy market Trivantage Manufacturing has partnered with world leading technologies suppliers. We offer a range of BESS enclosures that can be utilised in different environments from design to installation through to on-site delivery.

BATTERY ENERGY STORAGE SYSTEM PROJECT

BESS ENCLOSURES



Client: ABB

Location: Tennant Creek, Northern Territory

Market: Resources – Oil

Capabilities: Design and Manufacture BESS

Scope of Work: Trivantage Manufacturing worked closely with the client on the design and manufacture of a range of BESS (Battery Energy Storage Systems) enclosures.

The BESS units were a compact, plug-and-play microgrid and battery energy storage solution built for both grid-connected and behind the meter applications.

The BESS enclosures contain a range of equipment such as inverters, transformer, battery strings and chargers, AC panels, DC panels and control/auxiliary panels. The enclosure are fitted with lighting, air conditioning units, fire detection (heat and smoke detectors) and fire suppression.

Trivantage Manufacturing took care of the whole process from the design and fabrication of the enclosure to the fit-out testing and delivery.

CUSTOMISED PHOTOVOLTAICS DISTRIBUTION BOARDS

Trivantage Manufacturing offer customised Photovoltaic Distribution Boards (PVDB) which contain solar combiners and control enclosures, to suit large-scale solar applications for industry.

They are manufactured for Large-Scale Generation Certificates (LGC), all necessary grid protection controls, indoor or outdoor made to suit the relevant state's Service and Installation Rules (SIRs). Manufactured with zinc anneal steel, aluminium or stainless steel, up to IP66, we specialise in Form 3, 630A or above and can manufacture safe and compliant PVDBs to suit your requirements.

ELECTRIC VEHICLE CHARGING SYSTEMS

Trivantage Manufacturing along with market-leading supply chain partners have developed a range of Electric Vehicle (EV) charging systems that can be used for small-scale charging needs such as car dealerships and petrol stations, through to systems that can be used for larger-scale industrial segments such as mine sites for EV mining vehicles.

ELECTRIC VEHICLE CHARGING SYSTEM PROJECT

EV CHARGING KIOSK



Client: ABB

Location: Cobar, New South Wales

Market: Resources – Copper

Capabilities: Design and Manufacture EV Charging Systems

Scope of Work: Working in partnership with the client, Trivantage Manufacturing designed and manufactured a range of underground electric vehicle fast charging systems.

The enclosure housed a range of equipment that included a 150kW charging unit, a 400A distribution tier and 2x 10kW HVAC Units.

This is another example of Trivantage Manufacturing's ability to take care of the whole process from the design and fabrication of the enclosure to the fit-out, testing and delivery.

Trivantage Manufacturing took care of the whole process from the design and fabrication of the enclosure to the fit-out testing and delivery.



SUSTAINABILITY

As part of the SCEE Group, we at Trivantage Manufacturing are committed to delivering sustainable and profitable growth of our business without compromising on our responsibilities to the environment, our people and the communities in which we operate.

SCEE Group's approach to sustainability falls under the following broad categories:

Environment

We seek to promote best environmental practices within our areas of operation through our policies and procedures. Highlights include:

Environmental Management Systems accredited to ISO 14001

Low carbon footprint throughout our operations. We continue to voluntarily monitor our GHG emissions and maintain a low emissions base. Our FY25 operational emissions (Scope 1 and 2) totalled 4,702 tCO₂-e

Contributing to the decarbonisation of Australia through our delivery of renewables, recycling and energy efficiency projects

Health and Safety

We consider the wellbeing of our people to be of paramount importance and are committed to providing a workplace that achieves zero harm. Highlights include:

Health and Safety Management Systems are accredited to ISO 45001

5 Star Commitment safety approach addressing the highest critical risk areas

Regular injury prevention training

People and Community

We are committed to providing a safe workplace for our people and investing in their growth. We engage with the communities in which we operate seeking to create a positive legacy through maximising local employment opportunities. Highlights include:

Dedicated Health and Wellbeing Advisor and access to an Employee Assistance Provider

Regular training and development opportunities

Diversity Policy encouraging and supporting diversity in our workforce

Indigenous Employment Policy facilitating sustainable employment opportunities

Human Rights Policy and Modern Slavery Statement

Corporate Governance

The SCEE Group has a Board-endorsed Corporate Governance Framework aimed at ensuring the business is managed effectively and ethically and that risks are appropriately identified, monitored and addressed. Highlights include:

Experienced and appropriately structured Board and Committees

Code of Conduct governing our dealings with stakeholders

Anti-Bribery and Corruption and Whistleblower Policies



ASSOCIATIONS AND ACCREDITATIONS

Proudly affiliated with the best

Trivantage Manufacturing are proud members of the National Electrical Switchboard Manufacturers Association (NESMA)

All Trivantage Manufacturing stakeholders can have total confidence in a manufacturer who sets the standard for Switchboard and Power Distribution system excellence and is an acknowledged industry leader.

Trivantage Manufacturing takes a systematic and proactive management approach to our workplace health and safety, and our quality certifications. These are independently certified to comply with the most stringent standards, ensuring we are the business clients can rely on.

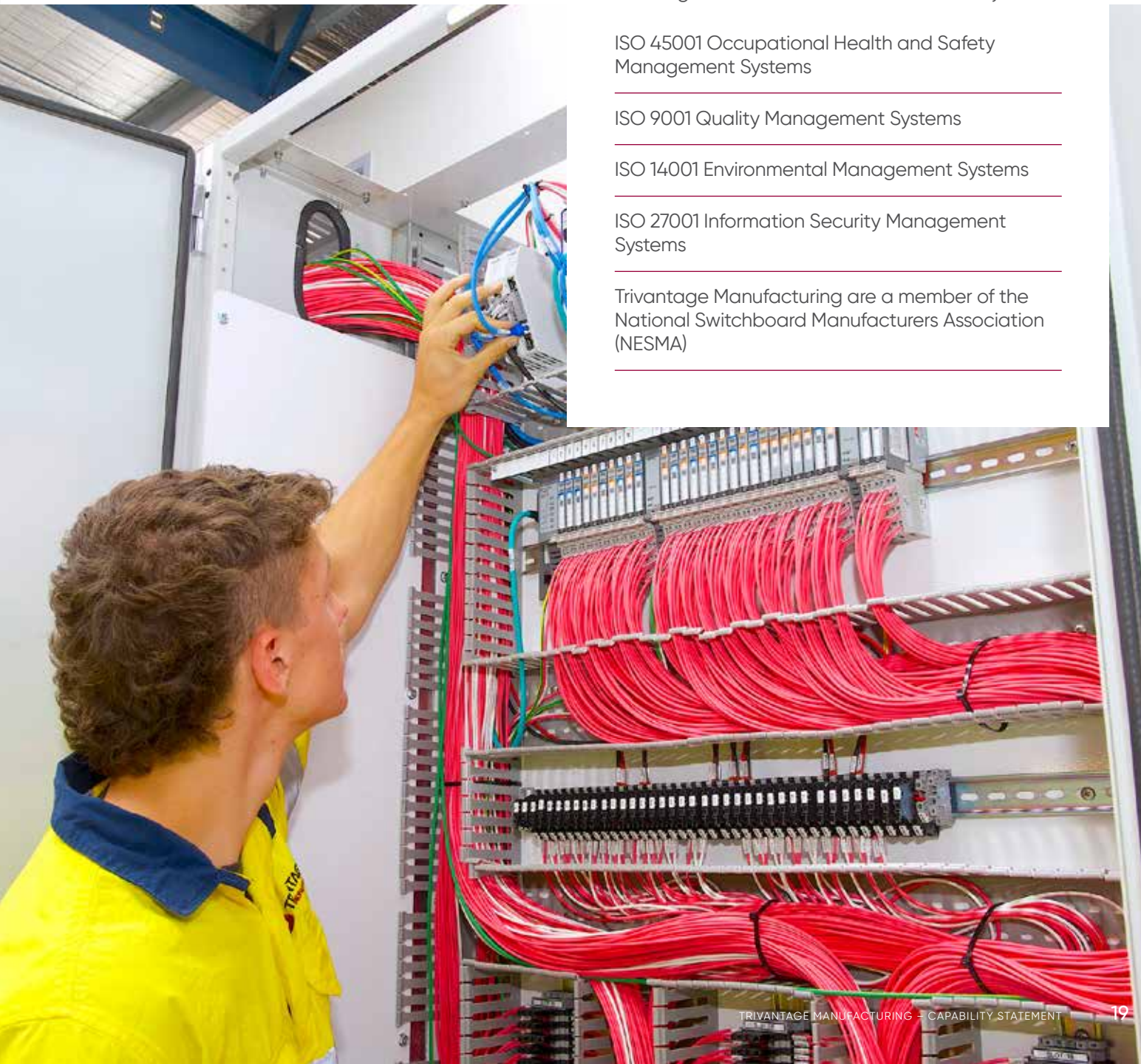
ISO 45001 Occupational Health and Safety Management Systems

ISO 9001 Quality Management Systems

ISO 14001 Environmental Management Systems

ISO 27001 Information Security Management Systems

Trivantage Manufacturing are a member of the National Switchboard Manufacturers Association (NESMA)





trivantage.com.au