

SCEE GROUP

Data Centre Capabilities

From design and construction to operations and maintenance, SCEE Group delivers data centre electrical, fire, security and data infrastructure for efficient, reliable, and scalable solutions.

SCEE Group has the capability and experience to deliver data centre solutions in metropolitan, regional and remote locations



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 AI themes shaping our economy. SCEE Group companies have been working in data centres for over 20 years.

SCEE Electrical is the original operating business of the SCEE Group, historically focused on resources and industrial projects, but more recently diversified into data centres and renewables.
www.sceeelectrical.com.au

Heyday is a NSW and ACT-based electrical contractor undertaking commercial and infrastructure construction and fit-outs, servicing commercial, high-rise residential, education, health, transport, industrial and data centres.
www.heyday5.com.au

S.J. Electric is a national provider of electrical and maintenance services to industrial, retail, commercial and utility sectors.
www.sjelectric.com.au

SEME Solutions provides electronic and physical security services to defence, data centres resources, law-enforcement, and custodial services.
www.seme.com.au

Trivantage Manufacturing is a leading manufacturer of packaged electrical solutions including MV & LV switchboards, HV kiosks substations and switchrooms, across the infrastructure, data centre and commercial sectors.
www.trivantage.com.au

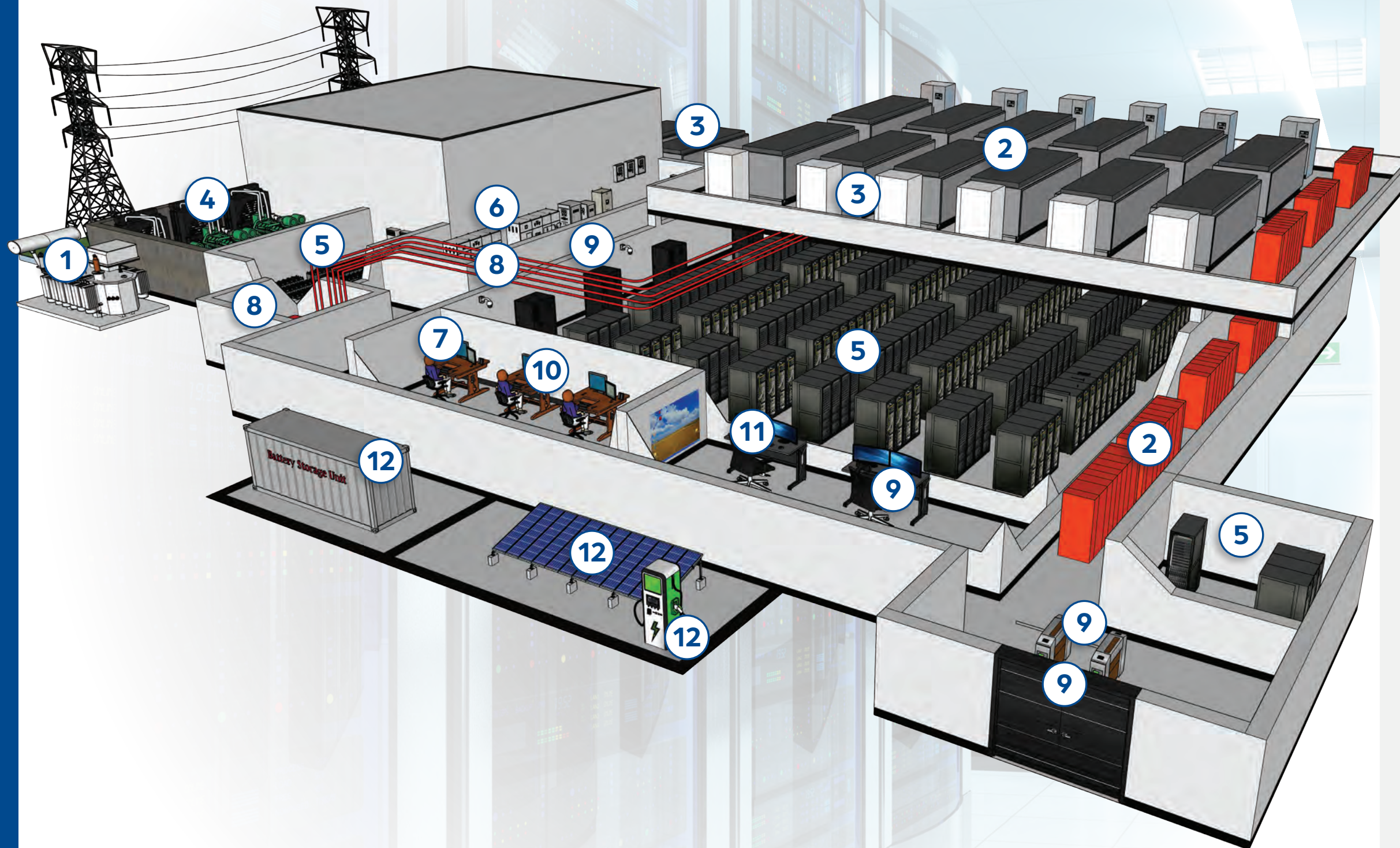
MDE operates in New South Wales as a comprehensive provider of communications, data and electrical services, with a strong presence in the commercial buildings including data centres, healthcare, fit-outs and BMCS installations.
www.mde.net.au

Force Fire is a leading East Coast-based provider of fire safety solutions to the commercial and industrial sectors, including data centres and has both mechanical ('wet fire') and electrical ('dry fire') capabilities.
www.forcefire.com.au

Datatel is an electrical and communications contractor delivering high-end commercial fit-outs for corporate, retail, education, health, government, resources, transport and telecommunications clients.
www.datatel.com.au

COMPREHENSIVE CAPABILITY

ELECTRICAL | MANUFACTURING | COMMUNICATIONS | SECURITY | FIRE | AUTOMATION | MAINTENANCE



SCEE GROUP'S DATA CENTRE OFFERING

MULTIDISCIPLINARY SERVICES

- 1 MV power infrastructure manufacturing and installation**
 - MV switchgear installation and protection systems
 - Distribution transformers
 - Prefabricated kiosks
 - Prefabricated transportable switchrooms
 - MV cabling, terminations and testing
 - Utility authority coordination and energisation
 - SCADA and monitoring integration
- 2 LV power distribution, switchboard manufacturing and installation**
 - In-house manufactured LV switchboards and MCCs
 - Intelligent PDUs, RPPs and bus duct (busway) power distribution systems
 - Power Train Units (PTU's)
 - Power quality solutions (harmonic filters, PFC)
 - Network analysers, metering and monitoring
- 3 Uninterruptible Power Supply (UPS) and Energy Storage**
 - Centralised and distributed UPS systems
 - Battery banks and battery rooms
 - Static and automatic transfer switches
 - Integration with LV systems and generators
- 4 Back-up power generation (diesel generators)**
 - Generator installation and electrical integration
 - Synchronisation, load sharing and controls
 - Automatic transfer systems (ATS)
 - Generator control panels and monitoring
- 5 Server rooms, IT spaces and rack power**
 - Rack power distribution (PDUs, busway, RPPs)
 - Structured fibre and copper cabling
 - Lighting and emergency systems
 - Earthing and bonding
 - Integration with monitoring platforms
- 6 HVAC electrical and control systems**
 - Electrical supply to chillers, CRAHs and CRACs
 - Mechanical services switchboards
 - Variable speed drives (VSDs)
 - PLCs and plant control systems
 - Integration with BMS and energy platforms
- 7 Building Automation and Management Systems (BMS)**
 - Power and energy monitoring
 - Mechanical and environmental controls
 - Alarm and event management
 - Remote monitoring dashboards
 - IP, fibre and control networks
- 8 Fire detection and fire protection (life safety systems)**

Fire detection

 - Aspirating smoke detection (VESDA)
 - Addressable fire alarm systems
 - Detection for IT, electrical and plant areas
 - Integration with BMS and control rooms

Fire suppression and protection

 - Clean agent gaseous suppression systems
 - Pre-action and dry pipe sprinkler systems
 - Fire protection for UPS, battery and generator rooms
 - Fire-rated compartmentation
- 9 Security systems and access control**
 - Access control and credential management
 - CCTV and video analytics
 - Perimeter security systems
 - Integration with fire and BMS platforms
 - Class 5 and Type 1 A security system accreditation
- 10 Control rooms and operations centres**
 - Redundant power and UPS supplies
 - Communications and AV systems
 - SCADA and monitoring platforms
 - Alarm and event visualisation
- 11 Telecommunications and network infrastructure**
 - High-performance fibre and copper cabling solutions
 - Installation of diverse, segregated containment
 - Core Network Room and Data Hall Pod deployment
 - Warranty and vendor certification
 - Detailed technical handover and compliance documentation
- 12 Sustainability and EV infrastructure**
 - Solar PV
 - Battery energy storage
 - EV charging

"From design through to construction and long-term operation, SCEE Group businesses deliver integrated data centre infrastructure across the entire asset lifecycle."

Proven expertise in Australian and NZ data centre projects

NEXTDC S3

Artarmon, NSW



Heyday delivered the design and construction of the critical electrical and communications infrastructure for the NEXTDC S3 Data Centre in Sydney. The scope included medium and low voltage electrical infrastructure, communications systems, and the complete electrical fit-out of the data halls and associated office spaces.

With a proven portfolio spanning hyperscale, colocation, government and enterprise data centres, SCEE Group is a trusted delivery partner across Australia and New Zealand. We have successfully executed complex, multi-disciplinary packages for some of the region's most critical digital infrastructure projects.

This experience ensures we understand the realities of accelerated design and construction programs and critical system supply, delivering systems that are engineered, installed and commissioned to perform across the complete asset lifecycle.

SCEE Group companies have delivered major projects for Australia's and the world's largest data centre operators, including NEXTDC, Equinix, AWS, Microsoft, DCI, AirTrunk, DigiCo, CDC and Stack.

DIGICO SYD1

Ultimo, NSW



The DigiCo S1 project showcases the strength of the SCEE Group's integrated delivery model. Heyday is delivering the project's critical electrical design and construction, Trivantage Manufacturing is supplying Australian-manufactured generator and UPS switchboards, and Force Fire is providing the complete fire protection solution, delivering a seamless outcome across multiple critical disciplines.

SCEE Group Data Centre projects

PROJECT	LOCATION	
Airtrunk Data Centre SYD1 - Phase 1	Huntingwood	NSW
Airtrunk Data Centre MEL1	Derrimut	VIC
American Express Asia Pacific HQ	Sydney	NSW
Australian Stock Ex Main Data Centre & DRC	Sydney	NSW
AWS SYD053 - RU Data	Eastern Creek	NSW
AWS SYD054 Project Orion	Smeaton Grange	NSW
AWS SYD700 - Project Joey	Smeaton Grange	NSW
AWS SYD701 - Project Puggle	Eastern Creek	NSW
CDC Marsden Park - Stage 1	Marsden Park	NSW
DCI - Adelaide 01	Adelaide	SA
DCI - Auckland 01	Auckland	NZ
DigiCo SYD1	Ultimo	NSW
DOD - Deakin & Tuggeranong Data Centres	Canberra	ACT
DOD - Defence Operations Centre	Canberra	ACT
DOD - Sydney Data Centre Fitout	Sydney	NSW
Equinix SY3 - Stage 1 & 2	Mascot	NSW
Equinix SY6	Silverwater	NSW
Equinix SY7	Unanderra	NSW
Equinix SY9	Rosehill	NSW
Firmus LST02 - ECI Design Dev	Launceston	TAS
Fujitsu	Sydney	NSW
Global Switch Sydney West & East - Stages 1-3	Pymont	NSW
Macquarie Data Centres IC1	Sydney CBD	NSW
Macquarie Data Centres IC2	Macquarie Park	NSW
Macquarie Data Centres IC3	Macquarie Park	NSW
Macquarie Data Centres IC3 Super West	Macquarie Park	NSW
Microsoft Data Centre - MEL	Melbourne	VIC
Microsoft Data Centre - SYD08	Seven Hills	NSW
Microsoft Data Centre - SYD09	Seven Hills	NSW
Metronode Silverwater - Stages 1-3	Silverwater	NSW
Metronode Unanderra - Stages 1-3	Unanderra	NSW
NEXTDC S3 Stage 1 & 2 - Ongoing	Artarmon	NSW
NEXTDC DC P1	Malaga	WA
Pihana Pacific Internet Facility, Equinix SY1 & SY1A	Mascot	NSW
Stack - MEL01 - Stage 1 & 2	Melbourne	VIC
Westpac Data Centre	North Ryde	NSW

MACQUARIE TELECOM IC3

Macquarie Park, NSW



IC3 at Macquarie Park is one of Australia's most secure data centre campuses. Engaged by FDC, Force Fire delivered a mission-critical fire protection package to Tier III+ uptime and asset protection standards. The team designed and installed an integrated system comprising sprinklers, hydrants, detection, EWIS and watermist suppression. Installed to maintain redundancy and security, the solution protects Macquarie Telecom's critical infrastructure while supporting strict SLAs, compliance and uninterrupted operations.

MICROSOFT DATA CENTRE SYD08

Seven Hills, NSW



The project comprised Stage 2 of the Microsoft Data Centre (SYD08), involving the construction of a two-storey, 19.2MW data centre with operations and administration facilities. The development included associated civil works, external plant yards to the west, north and south of the data hall, screened rooftop plant, nine generators, 289,000 litres of diesel fuel storage, 431 parking spaces and landscaping. Heyday delivered the electrical and communications services for the project.

GLOBAL SWITCH

Pymont, NSW



Global Switch is a purpose-built Tier III data centre designed to support mission-critical operations. The facility includes 9,000m² of technical space with 11kV high and low voltage infrastructure, supporting a power density of 1,500W/m² and an 8.4MW IT load in Stage 2, Phase 1, with maintainable services across all three stages. It also incorporates mechanical and electrical plant, technology support areas and offices. Heyday's scope included high voltage, low voltage, DRUPS, communications, security, and EMS/BMS/SCADA systems.

Design and engineering

From concept engineering to constructability

SCEE Group works closely with clients from the early stages of concept design to develop data centre environments that are efficient, scalable, and constructable.

Our Electrical Design services cover the full project lifecycle, from concept design through to IFC, incorporating HV, LV, communications, security, and fire systems, all delivered by our in-house resources.

Working alongside clients, consultants and OEM partners, we translate operational requirements into fully coordinated, construction-ready solutions.

Our teams bring 20 years of data centre construction experience into the design process, ensuring systems are efficient, constructable and optimised for prefabrication, installation, and long-term operation.

Key focus areas

- Electrical and infrastructure design coordination
- Modular and prefabricated design
- Load modelling, redundancy and resilience planning
- Integration of power, communications, security and fire systems
- Constructability reviews to reduce cost and programme risk.

Installation, commissioning and compliance

The SCEE Group provides end-to-end onsite construction of electrical, data, communications and security infrastructure, from project management, procurement and installation, through to testing and commissioning.

These services are complimented by off-site fabrication, rigorous quality control and complete as-built documentation to ensure systems are safe, reliable, and ready for operation.

The SCEE Group provides fully integrated power and infrastructure solutions — designed and installed by specialised in house teams.

Integrated power systems

LV and HV distribution, modular switchrooms, UPS panels, and control boards built and installed for scale and efficiency.

Modular and prefabricated design

Accelerated deployment, reduced site risk, and build repeatability for hyperscale and colocation facilities.

Quality assurance

ISO-certified manufacturing and delivery with end-to-end testing, FAT, and commissioning.

Speed to market

Reduced site installation time and efficient planning through integrated delivery.

Operations, maintenance and lifecycle support

Supporting critical assets long after energisation.

SCEE Group provides ongoing maintenance and operational support to ensure data centre infrastructure performs reliably under continuous demand.

Our national footprint and specialist service teams across HV, LV, communications, security and fire systems, enable 24/7 on call response, preventative maintenance, and system optimisation — supporting uptime, compliance, and asset longevity across the full lifecycle of the facility.

Key focus areas

- Preventative and reactive maintenance
- 24/7 service capability and response
- Asset management (Testing, compliance and lifecycle reporting)
- System upgrades, expansions and retrofits
- Continuous optimisation of power, controls and monitoring systems.

Digital infrastructure, security and monitoring

Connecting, securing, and controlling critical environments

SCEE Group delivers intelligent access control and security systems that providing real-time visibility, and control. SEME solutions is DISP and Type 1 Certified.

Integrated BEMS and monitoring

Design and integration of Data Centre BEMS, providing monitor and control across HVAC, lighting, and power systems for building and energy optimisation.

Cyber-secure architecture

NIST and ISO 27001-aligned systems, secured networks providing safe, secure network delivery and operation.

Data and telecommunications

Structured cabling and fibre infrastructure enabling high-speed connectivity and redundancy.

Access and perimeter security

Integrated advanced CCTV, biometric access, and analytics-driven monitoring to safeguard facilities.