



CAPABILITY STATEMENT 2021



Health & Safety
AS/NZS 4801

SAI GLOBAL



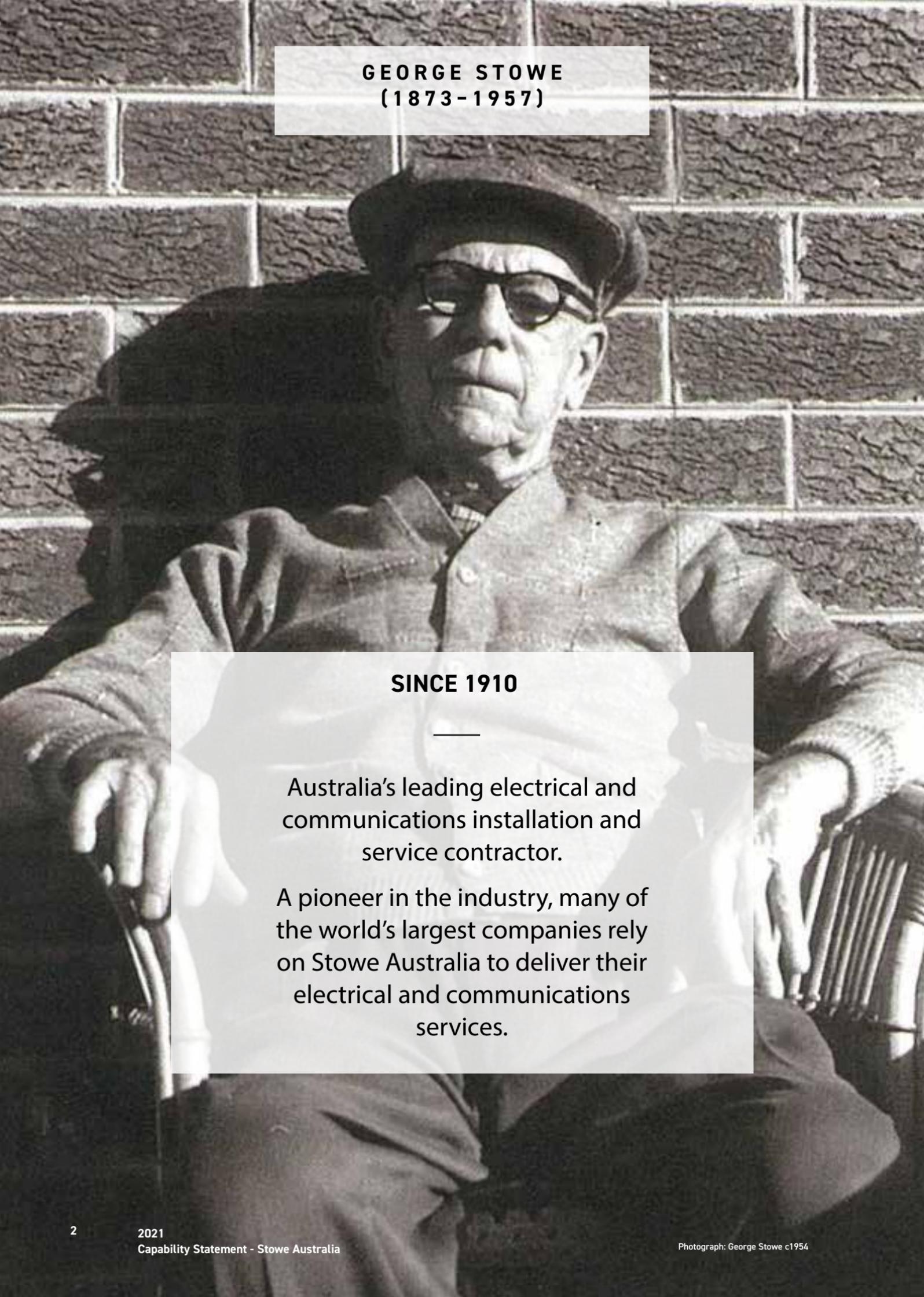
Environment
ISO 14001

SAI GLOBAL



Quality
ISO 9001

SAI GLOBAL



**GEORGE STOWE
(1873 - 1957)**

SINCE 1910

Australia's leading electrical and communications installation and service contractor.

A pioneer in the industry, many of the world's largest companies rely on Stowe Australia to deliver their electrical and communications services.



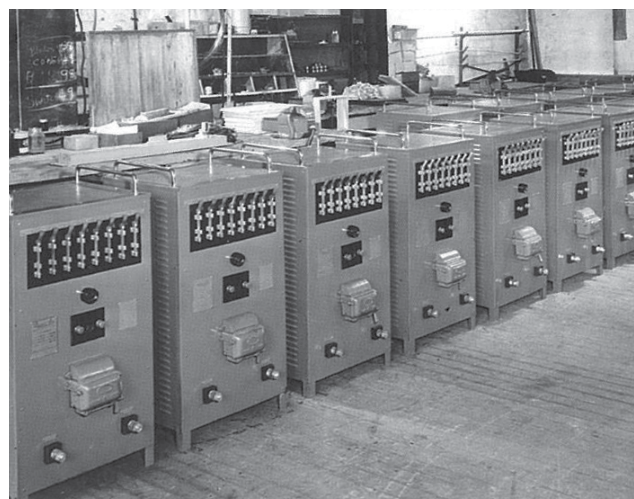
With a history in Australia's electrical industry that dates back to the 1890s, Stowe Australia today is Australia's leading family-owned electrical contractor. We employ more than 1,500 full-time staff in over 14 office locations, with an annual turnover exceeding \$500 million dollars.

We power and connect the infrastructure of Australian day-to-day living: offices, shopping centres, hospitals, railways, airports, ports, industry, defence facilities, convention centres, stadiums and town halls. We help our clients to excel and are committed to adding value to the everyday operations of our clients and the wider community. We create a safe and rewarding environment for our people.

More than just an electrical and communications contractor, we are a family-owned company with a long history of superior service.

The ownership and helm of the company has been retained through three generations (over 85 years) of the Madson family with David Madson the current Executive Chairman and Chris Madson the current Managing Director.

Our foundation as a family business has instilled a strong team culture and loyalty among the company's employees and has established a long-term customer base based on repeat business. We've actively worked to ensure our leadership continues to be dynamic. Combining this with investment in our employees, the dedication to be the industry's best, and responding proactively and with innovation to our customer's needs, Stowe Australia will remain a leader in the electrical and communications industry for many years to come.



Quasi Arc high frequency welding plants. Manufactured by Stowe Electric from the 1930's to the 1940's at the Drutt Place Sydney facility.



The Stowe Electric vehicle fleet taken at Woolloomooloo outside the Domain c1960.

CAPABILITIES

What we offer

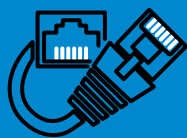
Stowe Australia delivers specialist electrical and communications contracting services throughout Australia to the commercial, infrastructure and industrial market sectors. Our capabilities are diverse and comprehensive, covering all types of electrical installation work, engineering, maintenance and national rollout projects.

Stowe Australia is recognised as an industry leader in the design, installation, and maintenance of electrical and communications systems. Operating in diverse market sectors, we take a holistic approach to delivering whole-of-life services to our clients. Add to that our sound financial history – with minimal intangible assets and a policy of purchasing rather than leasing our fixed assets and plant – and it's clear why Stowe Australia is the electrical and communications contractor of choice for so many.

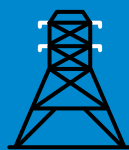
SERVICES



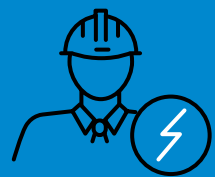
Electrical



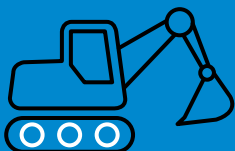
Communications



High Voltage



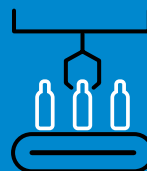
Engineering



Civil Works



Maintenance



Automation

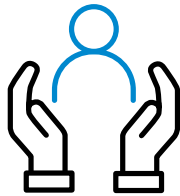


Lighting Control

CORE VALUES

Our core values underpin everything we do. Our aims:

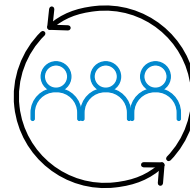
01



SAFETY

Achieve our mission of ZERO HARM to people and the environment.

02



CUSTOMER

Build and maintain a satisfied customer base through fair dealings based on trust and respect, and always offer a quality service.

03



PEOPLE

Nurture our long-term relationships with our suppliers and, most importantly, our employees.

04



INNOVATION

Pioneer the electrical and communications sector through safe work initiatives, innovation and diversity in our service offering.



OUR PEOPLE

The company's culture
is built on loyalty, trust and
empowerment.



Above: Stowe Australia's high voltage switching team at Barangaroo pictured wearing Arc-Rated PPE, mandatory for high energy switching.

At Stowe Australia, we recognise that our main asset is our people. So we invest heavily in the development and retention of employees and put continuous efforts into making sure it is a great – and safe – place to work. That's why Stowe Australia is considered by the industry as an employer of choice. And the proof is in our ability to continually attract and retain quality people in the business.

How do we do this? We provide in-house and external training and development programs so that employees improve skills in their respective fields of expertise on a regular basis. The company also provides career planning, opportunities and promotion from within the organization for our employees. The results? A skilled, high-performing, cohesive and loyal team culture and stable workforce. Stowe Australia has over 150 current employees who have more than 15 years of continuous service with the company.

In the meantime, Stowe Australia is leading the industry in workplace reform and industrial relations. Stowe Australia encourages a great workplace culture through its day-to-day activities and leadership style. This is underpinned by rewarding our employees with a profit-share arrangement that returns 30% of company profits to our employees at all levels of the organisation. The company's culture is clearly evident. It is built on loyalty and trust and the empowerment of self-directed teams and individuals.

Stowe Australia makes significant investment in the training of apprentices and currently employs approximately 260 apprentices throughout our operations. Many of the company apprentices have established lifetime careers and have attained senior positions with Stowe Australia.

MEET OUR MANAGEMENT TEAM

Executive Management



David Madson
Executive Chairman / Director



Chris Madson
Managing Director



Michael Pawelko
Chief Operating Officer
/ Director



Scott Gandy
General Manager NSW & ACT
/ Director



Barry Hore
Chief Financial Officer
/ Company Secretary / Director



Peter Lagos
General Manager VIC & TAS



Owen Davy
General Manager QLD

Stowe Australia Management Group



A good proportion of company apprentices have established lifetime careers and have attained senior positions with Stowe Australia.

FINANCIAL

A solid financial history

Our clients want to know they're working with an organisation with a strong financial foundation. Our plans for organisational growth and stability rely on a consistent resource base. Our staff have the confidence of working for an organisation that is here to stay.

The continued successful growth of Stowe Australia is reflected in the financial performance of the organisation since its foundation. We have consistently been able to deliver a strong financial outcome over a long period of time.

An integral part of our culture is the recognition of the contribution made by each and every employee to our success. Financially, this is demonstrated through an annual distribution from the company's pre-tax profit to our employees from field staff up.

In an industry with a reputation for undercapitalisation of businesses, Stowe Australia places importance on providing suppliers, customers and employees with a financially sound partner.

The Net Asset position of the company at 30 June 2020 was \$49M.

With minimal intangible assets and a policy of purchasing rather than leasing our fixed assets and plant, this prudent fiscal position has stood the organisation well through the many business cycles Stowe Australia has undergone over its 110 year history.

Insurance

• Public Liability:	\$50M
• Contract Works:	\$70M
• Professional Indemnity:	\$20M
• Motor Vehicle:	\$20M
• Cyber	\$5M
• Airside	\$10M
• Workers Compensation	Compensation benefits & common law liability.

2020/21

Snapshot of achievements



\$541_M

Revenue

\$49_M



Net Asset Position




1,500

Employees

14



Branch Network



27_k

Projects Completed

>

\$265_M

Work on Hand



Bankers



Deloitte.

Audit & Tax

2021/22



488_M

Revenue Forecast



1,550

Employee Forecast

MARKET SECTORS



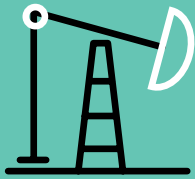
Private & Public Buildings



Mining & Industrial



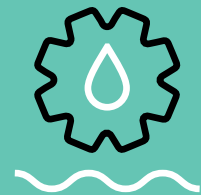
Data Centres



Petrochemical & Gas



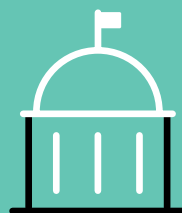
Urban Infrastructure



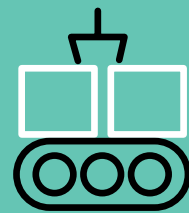
Water & Utilities



Rail and Ports



Government



Manufacturing



Defence



Airports



Health Infrastructure

OUR SERVICE OFFERINGS

Stowe Australia provides a complete range of services to clients, including:

Design

- High voltage & low voltage
- Lighting control
- Digital engineering
- Structured cabling

Maintenance

- High voltage & low voltage
- Static site & campus
- General building
- DC power systems
- Compliance audits
- Power quality & analysis

General Service

- 24/7 Mobile Service division

Construction

- Greenfield sites
- Refurbishments
- High voltage
- Data centres
- Industrial
- Civil & infrastructure
- Defence establishments & facilities
- Rail
- Health
- Utility
- Multi-storey buildings
- Heavy infrastructure
- Ports & motorways
- Campus buildings
- Stadiums

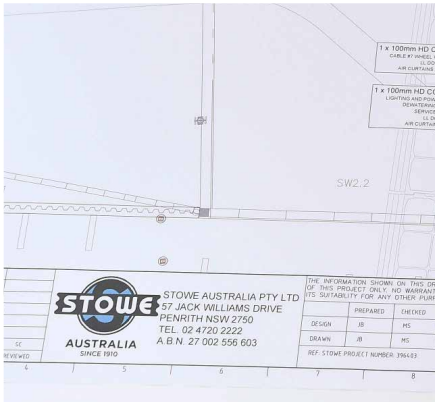
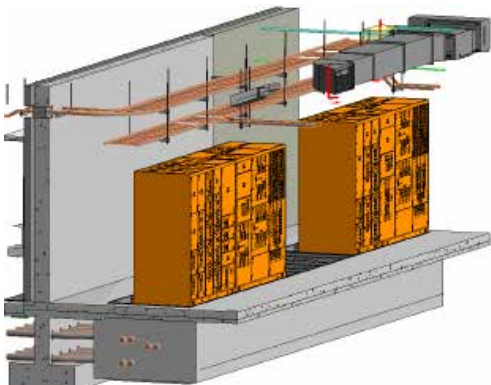
High Voltage Design

Project Showcase

Project	Description	Value	Client
Western Sydney Stadium	11kV feeders from zone substation to stadium	250K	Lend Lease
Data Centre Feeders	33kV direct feeders from Ausgrid zone substation through Macquarie Park	600K	Undisclosed
Crown Resort & Sydney Hotel	Basement and high rise 33kV substations including SCADA, protection, blast studies and earthing	1M	Lend Lease / Crown

Stowe Australia boasts a comprehensive team of industry experts, with vast technical competence and experience in the design and construction of high voltage networks.

From shopping centres to data centres, container terminals to metal recycling yards, our Engineering team at Stowe Australia designs from the perspective of the construction team. This ensures appropriate value solutions are identified and importantly, that the networks can be constructed, and move seamlessly from the design phase into construction. In some states, Stowe Australia holds utility accreditations to design networks that include public street lighting, low voltage distributors and high voltage overhead and underground networks for both public and private customers.



Low Voltage Design

We know how to drive innovation and meet any challenge.

Lighting Control

Stowe Australia designs intelligent lighting control systems to suit your needs for any application. When it comes to lighting control systems, our expert team of designers won't leave you in the dark.

Stowe Australia uses a range of standalone and networked technologies to deliver state-of-the-art lighting control systems that give you the flexibility to control and manage different lighting zones within a premises or precinct. They can be used for all types of applications and can even be linked with your audio-visual system and your building management system.

Smart lighting control provides you with two huge benefits: it improves your energy efficiency and reduces the running costs for your business. Through our Ecoview system integration business unit, we are a specialist Clipsal C-Bus provider and a nationally recognised Philips Dynalite and KNX Partner.

Structured Cabling Design



Above and below: Gosford Hospital communications room.

Your structured cabling system is the nerve centre of your business. It connects you to the outside world and when it's working efficiently, your business does too.

A well-planned, certified structured cabling system makes life simple for the end user. You can add, move and change cables easily. A well-designed and well-built network is a cost-effective and reliable solution that will reduce maintenance costs, improve business performance and support business growth.

Stowe Australia has vast experience in building reliable systems. From optical fibre to more traditional networks using copper cables, we are the trusted partner to many organisations. Our experience includes installing our systems into a broad range of areas such as data centres, Department of Defence establishments, banking and financial institutions, share markets, government, telecommunication companies and many other private organisations.



Our Partners



Large Scale Construction Projects

Project Showcase

Project	Description	Value	Client
Westpac Remediation and Duplication	Complete infrastructure upgrade including substations in a live environment	47M	FDC
Grand Central Shopping Centre, Toowoomba	Electrical, ICT & security to new and extended shopping centre	34M	Probuild
Project Star	Infrastructure upgrade and refurbishment of Casino	125M	Star, Multiplex & Shape
The Glen Shopping Centre	Refurbishment of the existing centre and the addition of 200,000sqmts of new shopping centre	25M	Probuild
130 Lonsdale Street	Base building and integrated fitout for UCA, Vanguard and AFCA	30M	Lend Lease

Above: Western Sydney Stadium during construction.

At Stowe Australia, a major strength is commercial construction. Our metro and permanent regional locations have enormous resources, knowledge and experience in general construction works and can undertake projects of any scale and complexity.

We are specialists in large-scale developments. Our teams start at the design stage and then manage all electrical and communications services – from the feeder cables that enter the building site to the final power outlets that sit on the walls – and everything in between.

Being such a large provider within the construction sector, we have established each of our offices with the estimating, engineering, project management, administration and field technicians that are needed to service the markets we work in, allowing Stowe Australia to deliver a complete electrical solution to each of our clients, regardless of location.

Our construction projects include:

- Shopping centres and retail outlets
- Commercial venues
- Hotels
- Private and government office buildings
- Entertainment, sporting and leisure venues
- Convention centres
- University campuses
- Commercial campuses
- Data centres
- Multi-storey high rises
- Casino complexes
- Defence projects
- Hospitals



International Convention Centre, Darling Harbour Sydney.

Office Fitouts & Refurbishments

Project Showcase

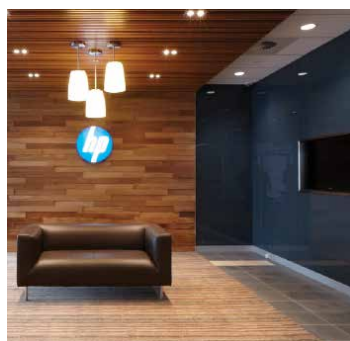
Project	Description	Value	Client
Ausgrid	20 x floor fitout comprising electrical and communications services	7M	Shape
Exxon Mobile	Fit out of the office space at 664 Collins Street, including data centre	5M	Mirvac
Porte Cochere	Star Casino - Front of house and lobby refurbishment	2.6M	Shape
Northwest Gaming Refurbishment	Star Casino - Refurbishment to gaming & restaurant area	1.5M	Buildcorp
Westpac	275 Kent Street, Sydney - retail and commercial refurbishment	1.4M	Mirvac

Above: Egon Zehnder offices, Melbourne.

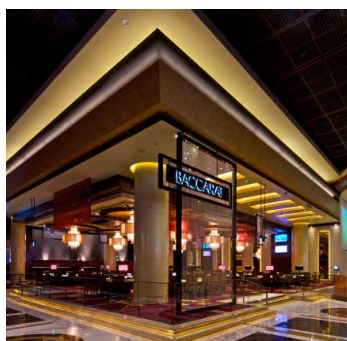
Stowe Australia provides turnkey solutions for all electrical and communications assets, from the power points in your building to the feeders from the zone substation, we take the worry out of these sometimes complex projects.

Whether you're upgrading, reinvigorating or repairing your assets, we can deliver a solution for any part of your network and on any scale. Our fitout experience covers everything from complex multi-floor refurbishment projects in the CBD, to small offices in outreaching suburbs. Our team has the capability to design, install, and commission your assets into service.

We can also assist with the staging of projects and provide temporary power and communications to ensure that your staff remain productive throughout the renovation, reducing downtime and keeping your business operating.



Hewlett Packard offices, Sydney.



Baccarat Noodle Bar. The Star, Sydney.



Western Sydney Stadium kitchen.

High Voltage Private Networks

Project Showcase

Project	Description	Value	Client
Westmead Hospital	New 33kV zone feeders - replacement of main HV switchboard	5M	Health Infrastructure
Barangaroo	3 towers comprising 17 substations, HV control points, protection, SCADA, grading	10M	Lend Lease
Buffel Park Site Accommodation	66kV overhead and underground feeders with 11kV switchboard and site reticulation	20M	Bechtel
North East Project Alliance Metro	High Voltage substations at Rosanna and Fairfield VIC.	1.2M	Metro Trains
Randwick Barracks	New private HV ringmain throughout base	8M	Duratec
RAAF Base Amberley HV Upgrade	Upgrade of HV cabling, kiosks and switchgear across the base	15M	FKG

Above: Gosford Hospital private high voltage switchgear.

We'll build and manage your network properly from the very beginning, so that it serves you well now and into the future.

The experience of your contractor can make or break your project.

At Stowe Australia, we have the proven capability to build reliable networks. We not only consider the installation cost, but the cost to the end user over the network's usable lifecycle. Private networks require specialists with diverse experience, each with their own role to play. Many items are all drawn together, analysed and tested prior to the voltage even being applied – such as protection studies, cable selection, earthing studies, supervisory control and data acquisition (SCADA), relay test instructions, switchgear and transformers.

Our technical team can even develop your High Voltage Installation Management Plan (HVISMP). And we can manage the actual switching and operating protocols to ensure that your network keeps the visitors and users of your site safe from harm.



Above: Barangaroo 33kV Siemens switchgear

Our Partners



Data Centres

Project Showcase

Project	Description	Value	Client
Airtrunk Data Centre	30MW data centre including 4 data halls, 18 generators, PTU's and transformers. Included all HV and LV services.	20M	Built
Airtrunk Data Centre	Electrical reticulation to new data centre	14M	FDC
Digital Realty	Reworking of electrical reticulation to an existing data centre	2.8M	FDC
Next DC	Sydney, Melbourne and Brisbane data centres. HV, LV and data halls	>100M	Next DC / FDC

Above: Fluke testing communications network cabling, University of Sydney.

Stowe Australia are specialists in the design and construction of complex data centre projects. Our long history of successful data centre builds makes us the first choice for many premium global organisations.

Stowe Australia is well positioned to assist in the design and delivery of Tier II and Tier III hyperscale colocation data centre facilities around the country. Delivering industry-leading reliability, Tier III data centres carry a 100% uptime guarantee as well as Gold Certification for Operational Sustainability, ensuring efficient and reliable performance 24/7. Combined with our highly skilled tradespeople, these premium data centres enable seamless and secure access to the world's leading public cloud platforms

Stowe Australia has the capacity to help design and build concurrently maintainable data centres, meaning that any planned maintenance activity of the power and cooling systems can take place without disrupting the operation of the data centre. In turn, the facility can run at its peak potential efficiently, eliminating downtime and reducing the costs to it's owners of uptime KPI's.

Our Partners



AT&T

BELDEN
SENDING ALL THE RIGHT SIGNALS



SIEMON
CABLING SYSTEM

COMMSCOPE
SYSTIMAX®

molex



EMTELLE

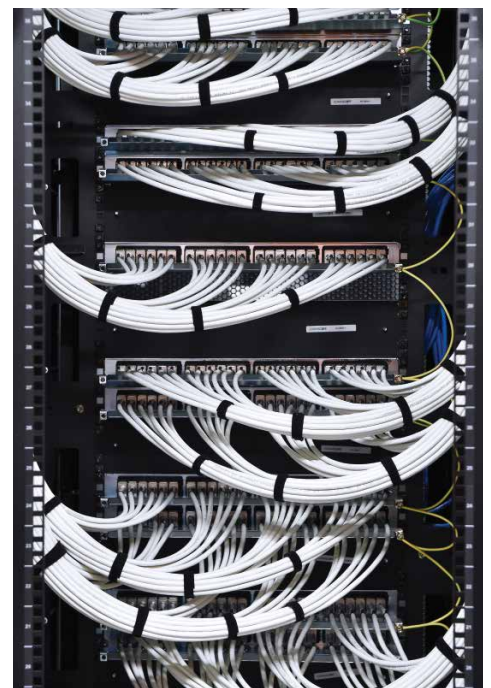
R&M

AFL

PANDUIT

COMMSCOPE
NETCONNECT®

CORNING



Client Services Rollouts

Stowe Australia has an established network of locations throughout Australia, making us an ideal partner for your national rollout.

With proven experience in delivering complete electrical and communications rollouts across Australia, we specialise in the strategic planning and coordination of complex rollouts, delivering value for money. We have the resources available to be your one-stop shop.

We have successfully provided electrical and communication rollouts to several large clients including McDonalds, Fujitsu, Aristocrat, Westfields, the Australian Defence Force, the Department of Education and Training, and many universities.

Stowe Australia is committed to achieving an outstanding performance in safety that is consistent throughout our network of offices, so you can rest assured that your next rollout will not only be a successful one, it will also be completed safely and in an environmentally responsible way.

Industrial Electrical

Project Showcase

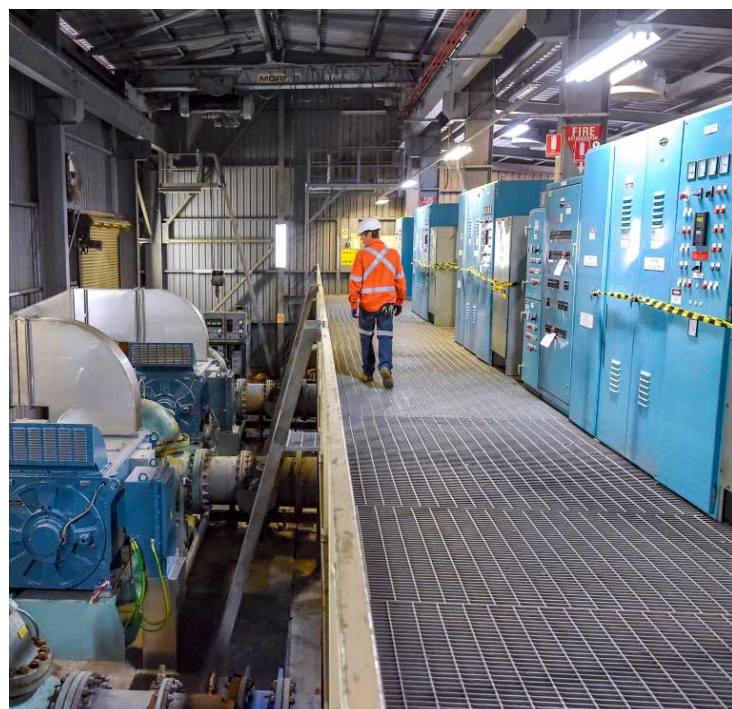
Project	Description	Value	Client
Patricks Port Botany	Automation and new 11kV infrastructure to cranes including control system	15M	Patricks
Hinze Dam Upgrade	HV upgrade, HV generator, instrumentation and controls, communications and valve replacements	8M	Thiess
Wheatstone Gas Processing Facility - WA	Security, CCTV, PAGA, LAN FIBRE, SCS	10M	Nokia
Woolworths MSRDC	Conveyor and device installation of automated palletising system	10M	Vanderlande
TAE Engine Test Facility	Electrical and communications to aircraft engine test facility	1M	Paynters

Stowe Australia has carried out major industrial projects on a national basis. We provide a broad range of electrical services across sectors ranging from manufacturing to mining and from recycling and waste facilities to rail and utility providers.

Our experts in industrial projects specialise in areas such as motor control, conveyors, instrumentation, automation and other industrial control systems. Our teams have successfully worked across different industries with installation and maintenance capabilities including:

- Motor control
- Active harmonic filtration
- Variable speed drives and soft starters
- Production lines
- Hazardous areas
- Instrumentation
- Substations
- Transformers
- Oil sampling and analysis
- Thermographic and ultrasonic scanning
- Protection and safety systems

We also provide comprehensive testing and commissioning services as well as short-term or long-term relief labour for shift coverage.



Prospect Water Filtration plant (Suez).

Civil Works



Above: A Stowe Australia 8000L hydro excavator for safe digging around existing services.

With a fleet of excavators, tippers and hydro excavators, we have the in-house expertise to manage our own service trenching, potholing and non-destructive digging.

Managing our own fleet of plant and equipment means that we maintain full control of our own resource allocation. This means that we are less susceptible to timeframe blowouts as we are less reliant on the availability of subcontractors.

Our teams have the capability to provide civil services works in any discipline, from electricity and gas to water and combined services trenching. We offer civil services works including traffic and pedestrian management, service locating, potholing, non-destructive digging, substation foundations, kiosk piercing, manhole construction, ragbolt installation and spoil removal.



Defence Projects

Project Showcase

Project	Description	Value	Client
Defence School of Signals HMAS Cerberus	Supply power, lighting and communications services to new School of Signals building at HMAS Cerberus	600K	Badge Constructions
Refuelling Shelters	Holsworthy, Richmond and Williamtown RAAF refuelling structures	\$1.2M	Duratec Australia
Williamtown Stage 2 Development	Flexible office accommodation building, retail building and auditorium	8.4M	CPB
Randwick Barracks	Upgrade HV ring main and substations	8M	Duratec Australia
Head Quarters, Joint Operation Command Centre	Design and construction of new defence head quarters including dual HV incoming supplies, data centre and all electrical works.	41M	CIMIC (Leightons Contractors)
HMAS Cerberus Electrical Infrastructure Upgrade	Upgrade of HV & LV site electrical reticulation including new substations and ring main	14M	Lend Lease

Our electrical and communications capabilities have seen us successfully deliver projects to the Australian Defence Force since the early 1900s. Today, Stowe Australia continues that relationship, and have built a strong understanding of defence systems and requirements, enabling us to offer a comprehensive range of electrical services to the defence industry.

Working within the Defence environment has its own set of unique requirements. It means getting security clearance for personnel, working with restricted access, and understanding the Defence infrastructure and engineering manuals. Stowe Australia has taken the time to learn about the Defence environment, fulfilling all requirements, and making us the preferred choice for many significant projects. We were even part of the team responsible for the electrical design and construction of the Australian Headquarters Joint Operation Command in Bungendore, New South Wales.

With nearly 200 security-cleared staff throughout the country, we have successfully delivered services to the defence industry such as:

- Sniper and SAS shooting facilities
- Airfield and runway lighting
- RAAF frequency converters
- Hazardous area works
- Building LV and HV infrastructure
- Base communications cabling
- Generator installations
- Fuel farm installations
- Flight simulator installations
- Full base upgrades and redevelopments

Rail Works

Project Showcase

Project	Description	Value	Client
Mount Victoria Station	Upgrade of heritage listed train station at Mount Victoria in the Blue Mountains	1.2M	John Holland
NIFF	New Intercity Train Facility for NSW Transport, 14M Kangy Angy		John Holland
Glenfield to Leppington Station Construction	Complete electrical package for the establishment of 2 rail stations and associated stabling yards	13M	John Holland
Flinders Street Station	Customer experience improvements	2M	MCT Constructions
Greta Train Facility	Electrical and communications services for new train support facility for Pacific National	8M	Lend Lease

Above: Leppington Train Station on the Glenfield to Leppington line.

We have the in-house expertise to build a traction substation, powering the network that keeps trains running.

Traction substations convert power supplied by a power utility into power suitable for a rail network. The design, construction and operation of traction substations require highly specialised skills and knowledge. They must be built to satisfy both rail standards and Australian Standards. Stowe Australia has all the competencies required for delivering the electrical work that is needed by rail works.

Our experience includes:

- Installation, termination and testing of 33/66KV feeder cabling
- Air break switches
- Rectifier transformers
- Direct current circuit breakers
- Earth fault and protection equipment
- Fire and security systems
- Communications
- Supervisory Control and Data Acquisition (SCADA) and control equipment
- Auxiliary transformers
- Battery systems



33kV switchboard at Lee Street traction substation, Sydney.

Health

Project Showcase

Project	Description	Value	Client
Gosford Hospital	Electrical and ICT services for new hospital (36,000m ²)	25M	Lend Lease
Tamworth Hospital	Electrical and ICT services for new hospital (27,500m ²)	14M	Richard Crookes / Lend Lease JV
Blacktown Hospital	Acute Services Building (36,000m ²)	21M	AW Edwards
Forensics, Pathology & Coroners Court Lidcombe	25,000sqmtr labs and commercial office space	12M	Watpac
Joan Kirner Women and Children's Hospital	11 Floor 25,000sqmtr hospital including 4 theatres, 86 inpatient rooms, 39 ICU beds and 20 birthing suites	29M	Lend Lease

Above: Forensic Medicine and Coroners Court, Lidcombe NSW.

Our experience within the healthcare sector ranges from the full design and construction of major hospitals in capital cities and regional townships to minor electrical and communication maintenance in local healthcare and aged facility centres.

Stowe Australia has vast experience in dealing with the complex electrical and communications services within the healthcare sector. We have specialised technicians in our service and maintenance sections who are trained in the intricacies of maintaining healthcare networks. Following the initial build, we ensure that the system remains safe and operates the way it was intended, well beyond the commissioning phase. Working with specialised "clean" power supplies, delivered via sophisticated filtering systems, we ensure that a constant voltage is delivered to areas powering sensitive equipment. We have the experience and skills to deal with specific issues such as the lighting within Operating Theatres, and body-protected and cardiac-protected areas within hospitals and medical facilities.



Above Photos: Gosford Hospital operating theatres.

Utility Network Projects

Project Showcase

Project	Description	Value	Client
33kV Data Centre Feeders	33kV Direct Feeders from Ausgrid Zone Substation to site in Macquarie Park	18M	Undisclosed
Darling Harbour Feeders	11kV feed from Pyrmont to Darling Harbour	5M	Lend Lease
Samantha Riley Drive, Kellyville	33kV Transmission and 11kV distribution feeder asset relocation. 3klm's of streetlighting upgrades	9M	Hills Shire Council
Pacific Highway Asset Relocations (Bullahdelah to Balina)	Street lighting, 66kV transmission, 11kV distribution overhead and underground relocations	6M	McConnell Dowell / RMS / Lend Lease

Above: 33kV 3Core CU 630mm cables being installed to a data centre in Sydney. Drum weight is 37T. Run length: 990mts.

As your trusted infrastructure partner, we remove the complication of connecting your project to the utilities power networks.

Stowe Australia works on your behalf, liaising with utilities and other stakeholders such as Roads and Maritime Services, building owners and the public, to effectively deliver power to your project. From small low voltage connections to 132kV, our infrastructure team has the capability to meet all and any of your demands.

Our services include:

- Padmount, kiosk and chamber-type substation installation and fitout
- High voltage switchboards and Ring Main Unit (RMU) installations
- Transformer installation and maintenance
- Asset relocations
- Street and area lighting
- High voltage cable jointing
- All types of overhead line work
- Liaison, connection and commissioning to authority networks
- Excavation works and road restorations



Above: Utility power pole replacement.

High Voltage Maintenance

Project Showcase

Project	Description	Value	Client
Barangaroo South	17 substations across 3 towers. All HV switchgear, protection and transformers.	Undisclosed	LLGU
ASX	Maintenance of 33kV HV equipment and air circuit breakers for the data centre.	Undisclosed	ASX
Sims Metal	33kV and 11kV maintenance of switchgear and transformers	Undisclosed	Sims Metal
Mars Ballarat	Complete maintenance of high voltage switchgear throughout the site	Undisclosed	Mars
OI Glass Manufacturers	11kV substation and transformer maintenance	Undisclosed	OI Glass

Above: High Voltage testing with the Omicron CPC100 and CMC356

Maintaining your high voltage network is a critical element to ensure the safety, reliability and longevity of your electrical supply. A high voltage system failure can have catastrophic results: explosions, fires, the loss of electricity for extended periods, and even the loss of human life.

Preventative maintenance programs keep your high voltage electrical systems safe and reliable. This is absolutely crucial for the health of your business as it facilitates both your performance and your profit.

Determining the right high voltage maintenance program can be complex. Our team of high voltage specialists can work with you to determine your high voltage maintenance needs and establish an appropriate routine maintenance program.

Your high voltage maintenance program may include:

- Protection testing
- High voltage switching

- Transformer and switchgear maintenance
- Transformer oil testing, filtering and replacement
- Substation earth testing

High Voltage Installation Safety Management Plans

Stowe Australia can develop and manage comprehensive High Voltage Installation Safety Management Plans (HVISMPs) as required under legislation for private high voltage network owners.

The plans detail the minimum safety standards for operating the high voltage network on behalf of your organisation, how to minimise potential incidents endangering safety, and ensuring the safety of workers, clients and the public on your site.



Above: High Voltage switching with 40Cal Arc Rated clothing.

Low Voltage Maintenance

Project Showcase

Project	Description	Value	Client
Melbourne Airport	General Electrical maintenance	Undisclosed	APAM
GMH Maintenance Services	Electrical programmed and reactive maintenance	Undisclosed	Knight FM
UNSW Maintenance Services	Campus wide electrical LV maintenance services - reactive and preventative	>2M	University of NSW
UOS Maintenance Services	Campus wide electrical LV maintenance services - reactive and preventative	>2.5M	University of Sydney
The Star	Electrical LV maintenance services to Casino hotel and apartments	>4.5M	The Star Casino

Above: Electrical maintenance being conducted in a main switchroom.

Every site is unique and has different maintenance requirements. Stowe Australia can provide customised site maintenance programs for any site to support the lifecycle of your electrical assets to ensure peak performance of your facility.

Keeping your electrical assets in good working order is critical to prolonging their longevity and reducing the risk of equipment failure. Every site needs a maintenance plan to ensure it runs as smoothly as possible, but not every site is the same. We can inspect your site, provide a customised maintenance program, undertake routine maintenance and continuously monitor your site. Asset maintenance and performance records will be kept so that we can anticipate future preventative measures to ensure your site operates seamlessly. Investing in your facility today, saves you money in the future. Some of the key maintenance services we provide include:

- RCD testing
- Emergency and exit light testing
- Switchboard testing and maintenance
- Electrical equipment testing and tagging
- Generator, load bank and fuel system testing
- Auto transfer switch (ATS) testing and maintenance
- Air circuit breaker (ACB) testing and maintenance
- Thermoscanning and ultrasonic scanning
- Harmonic testing
- All types of maintenance



Top: Setting up for switchboard maintenance.

Above: Thermographic scanning

Airfield & Runway Lighting



Above: RAAF airbase with runway and PAPI lighting.

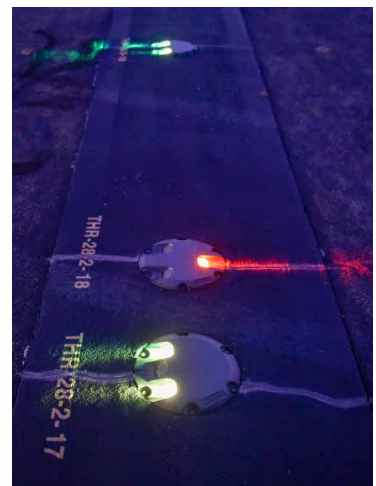
The Department of Defence and other major and minor airports rely on Stowe Australia to maintain their airfield lighting and to ensure aircraft can land safely.

Stowe Australia have been engaged to install and maintain elevated and inset runway lights, taxiway lights, apron aerodrome ground lighting and Precision Approach Path Indicators (PAPI) at defence and civil aerodromes around Australia.

Our maintenance crews have been tasked with repairing failed fittings, aligning light fittings as per Manual of Standards Part 139 requirements, testing primary and secondary Above Ground-Level (AGL) cabling, calibrating constant current regulators and maintaining AGL control equipment.

With qualified work safety officers on staff, we can create Method of Working Plans (MOWP) for any airside works and provide access for work parties to airside areas.

Our roles require us to be in contact with air traffic control as well as communication directly with the pilots on unmanned defence and civil runways to ensure the safe access for work parties and no delays for aircraft movements.



Top Photo: RAAF runway approach lighting

Above Photo: Threshold lighting

Audio Visual

Project Showcase

Project	Description	Value	Client
Mackay Northern Beaches	Provision of fully integrated audio visual system	380K	FKG Group
Harristown Audio Visual Packages	Provision of interactive projectors, sound systems and hearing augmentation systems	100K	NRG Services
FKG Group Head Office	Provision of conference facilities with Crestron meeting equipment	100K	NRG Services
International Convention Centre, Sydney	Provided AV services to all theatres within the convention, exhibition and theatre buildings	13M	Lend Lease

Above: Western Sydney Stadium Control Room ICT network supporting all infrastructure and AV works.

Today's businesses rely on communication. You need to be able to see and hear each other clearly. You need to be able to make presentations and communicate with clients without interruption or distraction. A reliable, user-friendly audio-visual system is critical in any commercial environment. So, whether it's a geographically dispersed team, a boardroom, a studio or a sound system, Stowe Australia provides businesses with audio-visual systems that provide you with the tools to share information quickly and efficiently.

Audio-visual systems are an integrated part of a building in the contemporary business environment. They work in unison with the lighting control system to deliver the overall user experience through a single controlling device. When you install them properly, audio-visual systems influence how people connect, collaborate and create. At Stowe Australia, our audio-visual solutions team will begin by understanding your business needs and then work with you to develop a fit-for-purpose system that will serve you well into the future.



Top: The Concourse Theatre, Chatswood NSW.

Above: ICC Theatre.

Wireless Networks

Project Showcase

Project	Description	Value	Client
National Secondary School Computer Fund	Pre & post deployment surveys; design, supply and installation to hundreds of schools for the NSSCF laptop rollout.	5M	Department of Education
Wireless Upgrade Project	Design, supply, install and commission a solution to enhance the Wi-Fi coverage in schools to support the use of mobile devices for teaching, learning and administration	2M	Department of Education
Sunshine Coast University Hospital	Wireless RF survey, design and installation of over 3000 wireless access points to the Sunshine Coast University Hospital	>3M	QLD Health

With the explosive increase in the number of mobile devices, expectations of seamless connectivity, and the workplace trend towards “bring your own device”, a high-quality functioning wireless network is absolutely essential for complementing a wired structured cabling solution.

Sometimes cabling simply isn't an option. And with the growth of mobile devices coupled with the additional bandwidth requirements, a resilient enterprise-grade wireless network is fast becoming an essential part of most premises. Each wireless network is unique. Coverage, bandwidth and security all vary. They're dependent on the structure of a building and other variables. Stowe Australia will have you covered in any situation. Our engineers can provide active, passive, predictive and post-deployment surveys. They'll design a bespoke wireless solution to suit your needs.



Above: Point to point microwave link install, QLD.

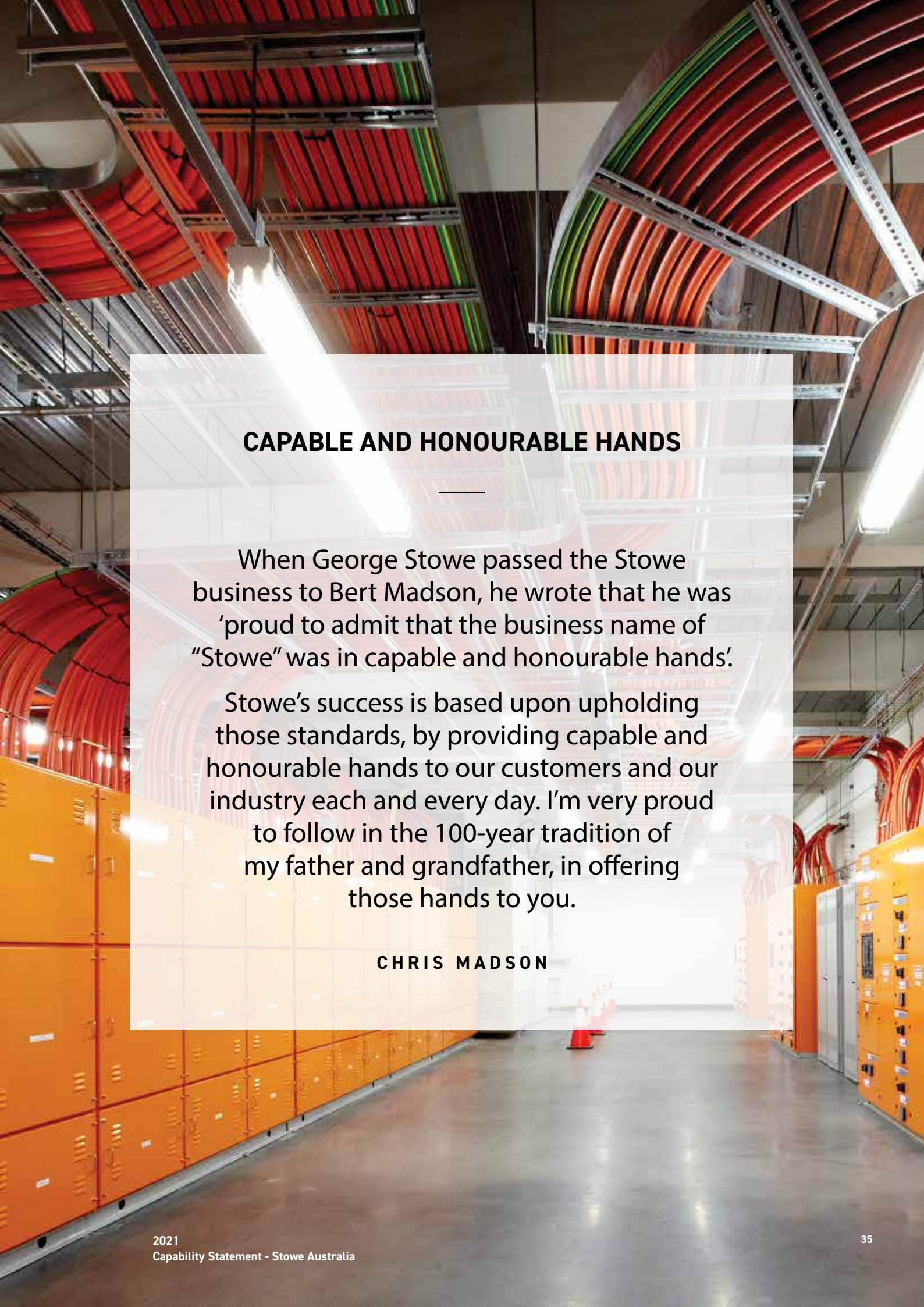
Compliance & Integrity Audits



You need to show that you operate safely and that you comply with the necessary regulations. Electrical safety and integrity audits demonstrate compliance with regulatory, industry, product and client requirements. They also provide you with the assurance that your business is operating in an electrically safe manner.

Stowe Australia performs all types of electrical safety and compliance audits on all types of electrical assets. Some of the items that might require compliance and integrity testing include power factor correction units, portable appliance integrity testing, generator testing, switchgear, lighting control systems and lux levels, high voltage installations and hazardous area equipment. Integrity testing can also be conducted on your incoming power supply and be used to determine the remaining life of your high voltage network cables and transformers.

What's just as important as making sure your equipment is functioning is that regular audits and inspections ensure that your business is meeting its duty of care in relation to electrical safety.



CAPABLE AND HONOURABLE HANDS

When George Stowe passed the Stowe business to Bert Madson, he wrote that he was 'proud to admit that the business name of "Stowe" was in capable and honourable hands'.

Stowe's success is based upon upholding those standards, by providing capable and honourable hands to our customers and our industry each and every day. I'm very proud to follow in the 100-year tradition of my father and grandfather, in offering those hands to you.

CHRIS MADSON

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ELECTRICAL CONTRACTOR LICENCES

- NSW Electrical Licence EC114
- VIC Electrical Licence 12880
- QLD Electrical Licence 12563
- WA Electrical Licence EC012112
- ACT Electrical Licence 19812208
- SA Electrical Licence PGE 172418
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