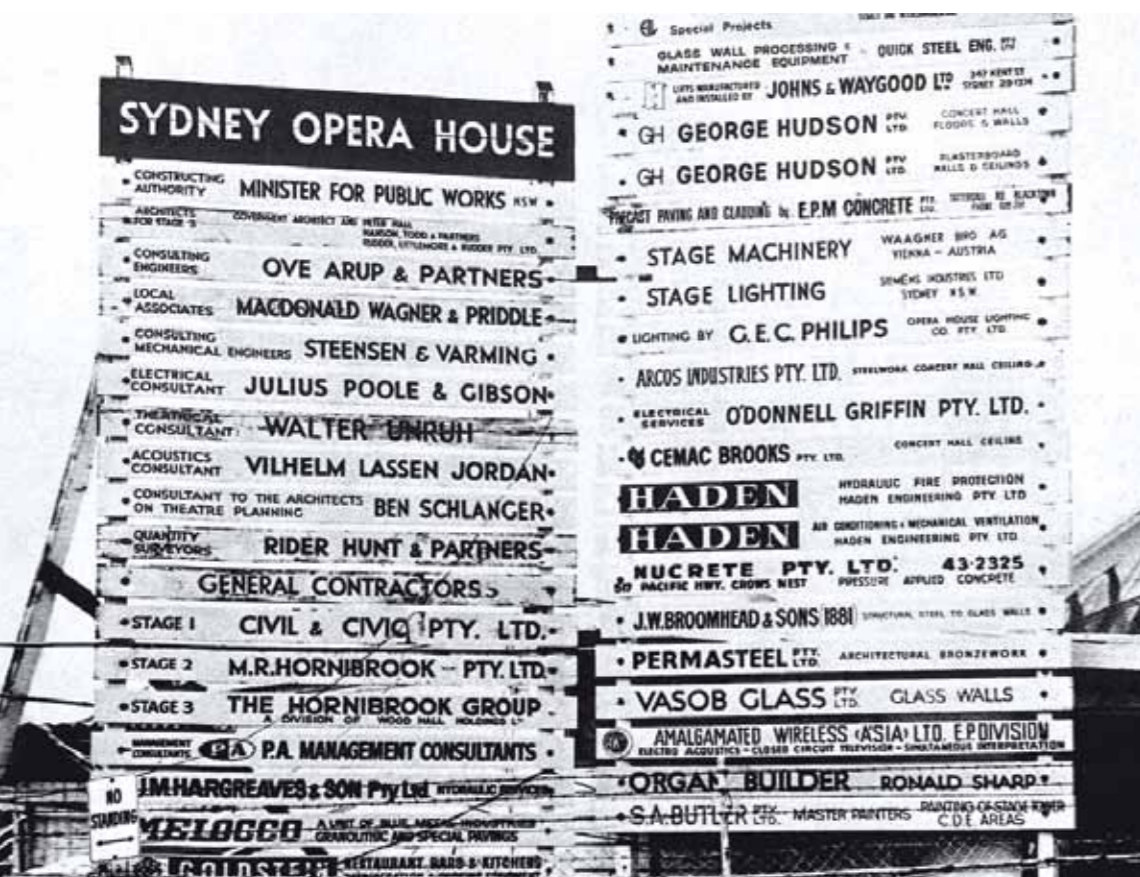




ELECTRICAL &  
COMMUNICATIONS  
ENGINEERING

 **O'DONNELLGRIFFIN**  
EXPERTISE • COMMITMENT • RESULTS

**NORFOLK**   
INTEGRATED ENGINEERING



## Our story

Right from our early beginnings in 1906 when Frederick Tertius Squire O'Donnell and Thomas Leslie Griffin first founded the company, through to the current day, O'Donnell Griffin has played an integral role in the provision of electrical solutions and services for Australia and New Zealand's developing infrastructure and industrial sectors.

Although street lighting was a comparatively new phenomenon, as was the use of electricity as a means of powering and driving machinery, O'Donnell Griffin quickly forged a reputation for tackling difficult and challenging jobs through expert installation of dynamos and generators.

O'Donnell Griffin created history, playing an active role in providing innovative electrical services to defence operations as well as the mining and resources sector during the mid 1900's. This involvement developed the company's expertise and positioned the company for future growth and national expansion.

Today, O'Donnell Griffin is a leading provider of electrical and communications engineering solutions, and has an enviable presence across the majority of Australia and New Zealand's major cities and a growing number of regional areas.



The company is a trusted partner for major design, installation and operational maintenance solutions in the electrical and communications fields, consistently meeting client demands for the highest level of performance, quality and reliability.

# O'Donnell Griffin has been an industry leader in the electrical and communications engineering, services industry for over 100 years.

## Our sister companies

O'Donnell Griffin is a member of the Norfolk Group – a leading provider of integrated engineering solutions to the Australasian markets.

O'Donnell Griffin enjoys direct partner relationships with all other companies in the Norfolk Group including:

- Haden: a leading supplier of HVAC (heating, ventilation and air conditioning) and refrigeration mechanical services

- Resolve FM: specialising in technical facilities management and maintenance services

Norfolk Group companies' international project experience, extends to India, UAE, Singapore, China, Hong Kong, Malaysia, Vietnam, Indonesia and Papua New Guinea.



Rapid response  
to emergency  
situations  
24 hours a day  
7 days a week

## Our solutions

O'Donnell Griffin has the capability to provide a complete electrical & communications solution for new projects, upgrades to existing sites and the ongoing service and maintenance of critical assets. We also have the capacity to integrate specialist skills in mechanical and other engineering disciplines. The cross utilisation of resources throughout Australia and New Zealand strengthens our delivery capability to the Rail, Resources, Power, Water, Telecommunications and Commercial sectors.

### Our solutions include:

- Design & installation of all electrical systems
- Railway signalling, traction & communications systems
- Power transmission design & power generation / co-generation systems
- Process control and instrumentation systems
- High & low voltage distribution maintenance & upgrades
- Switchboard commissioning & servicing
- Communications cabling & infrastructure maintenance
- Data & communication systems (incl. security & IP access controls)
- Fibre optic installation & maintenance
- Generator maintenance, installation & upgrades
- Renewable energy generation (solar, wind and hydro)

- Energy management solutions
- Electrical inventory management (incl. testing and tagging)
- Emergency stand-by call & shutdown management services
- Specialised testing services
- Comprehensive service and maintenance

### These capabilities are fully supported by a range of operational and management functions, including:

- Project management
- Estimating
- Contract management
- Planning / scheduling
- Multi-service solutions
- Turnkey 'design, build and maintain' solutions
- 24/7 service and maintenance

## Our approach

With O'Donnell Griffin, our clients have a partner from day one through to project completion. Open communication and mutual cooperation are the cornerstones of our approach to stimulate a strong and focused outcome-oriented client relationship.

### We pride ourselves on:

- an extremely high quality of workmanship and expertise
- customer-focused delivery
- an inherent ability to complete projects on time and to budget

All this is delivered through a 'local' team, wherever your requirement is - further supported by a comprehensive nationwide team and operational infrastructure which affords full 24/7 after-sales and emergency support around the country.

We are comfortable with the adoption of a range of different contracting approaches, from the more traditional design and construct model, through to alliance partnerships, joint ventures or a multi-service solution. Integrated risk management, detailed project execution plans, cohabitative design, joint work-shopping and national resourcing are just a few ways in which we foster success, with a view to establishing long-term, mutually rewarding relationships with our clients.

We also provide comprehensive pre-contract support, helping our clients scope, design, cost and plan their projects, as well as post contract review to ensure all potential energy and cost efficiencies have been optimised.

## Our people

We invest a good deal of time and energy into ensuring that we recruit and retain the very best professionals available in electrical and communications engineering. We provide ongoing employee training and development, and all staff are encouraged to participate in our COSMIC Values program to help further develop their client relationship and people empowerment skills.

O'Donnell Griffin's diverse and multi-skilled workforce of more than 1500 people in engineering and technical roles, includes:

- Electrical Engineers
- PLC Licensed Technicians
- Licensed Electricians
- Diesel Generator Technicians
- Rail Signalling Technicians and Engineers
- HV Operators and Testers
- Radio and Industrial Electronics Technicians
- Special Class Electricians
- Instrumentation Technicians
- Certified jointers and technicians
- ACMA registered technicians.

## Occupational Health, Safety and Quality

Under the maxim Safety All Ways, each project undertaken by O'Donnell Griffin must demonstrate a total commitment to a robust safety management system. Our safety management system in Australia is third-party accredited to AS4801. In New Zealand we are accredited to the tertiary level of the ACC Workplace Safety Management Programme. Our ultimate goal is to ensure all projects become incident-free workplaces.

## Corporate Social Responsibility

O'Donnell Griffin is an active supporter of Royal Rehab Centre NSW and is working towards the development of a national framework that helps address some of the challenges associated with rehabilitation issues.

## Environmental sustainability

O'Donnell Griffin is wholly committed to operating in a manner that conserves natural resources and protects the environment. All employees and sub-contractors must comply with our environmental sustainability policy across all design, construction and maintenance projects, and we actively encourage our employees to gain environmental credentials as part of their career development.



## Integrated Management System

In addition to a comprehensive operations management system, O'Donnell Griffin has an integrated set of policies and plans which assist in maintaining high standards of execution nationally.

### Key systems include:

**Risk Management** - appropriate checks and balances to ensure 'acceptable' risk-reward profiles are developed and maintained on all projects.

**Quality Assurance** - In Australia we are accredited to Quality Assurance System AS/NZ 9001:2000. O'Donnell Griffin sets quality targets for each of its business units annually, with performance data continuously collected and analysed to assess effectiveness.

## Experienced partners delivering sustainable solutions



Global-Mark.com.au®  
OHS Management - AS 4801  
Quality Management - ISO 9001  
Environmental Management - ISO 14001



## Our projects



### Rail

The Australian Rail Track Corporation (ARTC) is focused on delivering an integrated series of projects which together target major improvements in operational capacity, transit time and reliability. O'Donnell Griffin formed an alliance with engineers CW-DC, the South Improvement Alliance, to provide ARTC with an integrated rail signalling design, install, commission and maintenance capability between the Sydney - Melbourne corridor. The long term project valued at \$130 million will see the provision of about 220 kilometres of new passing loops, extensive upgrading of railway infrastructure and the modernisation of the line's signalling system.



### Power

Overlooking the Perth City skyline, the 49kW grid connect solar system is a roof mounted array at Central Institute of Technology, East Perth Campus. O'Donnell Griffin supplied and installed the photovoltaic solar array including: Sunpower panels, inverters, electrical cabling, and components. This was the first iconic installation to be commissioned as part of the Perth Solar City program and will also be one of the largest single grid connected systems in Metro Perth. As a major trainer of technicians in photovoltaic power installation systems, Central Institute of Technology will now be able to provide the very latest in 'live' works installation training and experience in Perth.



### Resources

O'Donnell Griffin provides a variety of electrical engineering services to the Dalrymple Bay Coal Terminal in QLD, including manufacture and installation of motor control centres, distribution boards, control panels, and junction boxes. A health and safety problem arose when we were awarded a contract to install cables above a 4km long offshore conveyor, with no floor, that was 20m above sea level. O'Donnell Griffin's local engineering team in Mackay solved the problem by designing a "boat" to fit in the conveyor that the electricians could work out of safely. At the conclusion of the contract, the boat was purchased by John Holland to use on a similar installation at Abbott Point.



### Data & Telecommunications

O'Donnell Griffin - Data provided a complete civil, electrical, and telecommunications solution for the ACT Government's Fibre Optic Network roll out. The scope of work included excavation, trenching, boring, installation of communications conduits, subducts, pre-formed and custom pits, and the installation of long haul high-core count fibre runs. After a successful 1st stage implementation, the network is being expanded to include other smaller government entities such as schools, fire stations and libraries.



### Service & Maintenance

O'Donnell Griffin have been involved with Optus Telecommunications for over 10 years providing both preventative and emergency response maintenance services to over 2500 sites nationally. These sites are located in metro, regional, and remote regions of the country, and are serviced annually by our team of qualified technicians. Key services include: electrical preventative maintenance, tower assessment and modifications, generator maintenance and installs, HV maintenance, thermal imaging, and site upgrades, inclusive of all PLC works. Significant productivity gains have been made in the overall delivery of the annual maintenance program, such as ensuring that travel time and costs are distributed over a number of services.



### Water

As part of South Australia's 'water for good' plan to secure water for the future, the State Government is building a seawater desalination plant south of Adelaide to ensure drinking water is available even in times of drought. The total project cost is \$1.83 billion and the plant will deliver up to 100 billion litres of water each year (100GL) - about half of Adelaide's annual water supply. O'Donnell Griffin has been engaged under an ECI agreement to deliver the following electrical services: underground HV / LV reticulation, HV/LV switchgear, cable management systems, and process control power and cabling.



### Industrial

Visy Pulp and Paper has undergone a major expansion to its paper mill in Tumut, NSW. The expansion was known as Project VPP 10. O'Donnell Griffin was responsible for the installation of electrical and instrumentation systems on the project. Major installation works completed by our company included: switchboards, junction boxes, cabling systems, and over 4200 instruments. Upon completion of the HV switchboard testing and commissioning, the new plant was in operation.



### Fire Services

O'Donnell Griffin's capability to provide complete fire engineering and maintenance solutions is best demonstrated by our long term customer relationships. Customers such as the Sydney Harbour Tunnel and Optus Communications utilise our expertise in maintaining their fire protection equipment and systems. Recently, we have completed a range of fire services projects for the BER (Building the Education Revolution) initiative and Defence Department at HMAS Creswell. All of these projects required a high degree of technical capability and commitment to meet deadlines, which O'Donnell Griffin successfully delivered to the satisfaction of the customers.

## Corporate Offices

### Australia

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O'Donnell Griffin is part of Norfolk Group Limited - a leading provider of integrated engineering solutions to the Asia Pacific market.

Other companies in the Group include Haden, a leading provider of air conditioning and mechanical engineering solutions and Resolve FM, a leading provider of technical facilities management services.

Together, with other group members, O'Donnell Griffin provides a complete electrical, communications and mechanical engineering solution, supported by ongoing maintenance and management of critical assets.

Every Norfolk business is dedicated to providing:

**EXPERTISE • COMMITMENT • RESULTS**

**NORFOLK**  
INTEGRATED ENGINEERING

ELECTRICAL &  
COMMUNICATIONS  
ENGINEERING

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EXPERTISE • COMMITMENT • RESULTS

