



# SWITCHBOARDS

**ELECTRICAL &  
COMMUNICATIONS  
ENGINEERING**

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

## Specialist areas of expertise include:

- Main power switchboards
- Motor control centres
- PLC panels
- Local control and isolation stations
- Control cabinets and location cases
- Transportable switchrooms
- Relocatable substations

## Design, manufacture, installation and maintenance of custom switchboards

O'Donnell Griffin is a leading designer and manufacturer of custom switchboards and motor control centres for customers in the mining, water, rail, power and industrial sectors.

Our in-house engineering, fabrication, assembly and testing ensures that your switchboard is installed and commissioned with superior quality and meets your project schedule. We believe establishing a partnership with the customer is critical to achieving great results. Our design engineers work with you to design the most reliable and efficient switchboard for your application.

Whether you require an outdoor motor control centre with a high degree of protection, or a relocatable substation for powering heavy plant and machinery, O'Donnell Griffin has the capability to design, manufacture and install a power system dedicated to your needs.

**VISIT US AT: [odg.com.au](http://odg.com.au)**  
**CALL: 1300 100 ODG (1300 100 634)**



## CASE STUDY Mount Arthur Coal Mine

O'Donnell Griffin designed and installed an outdoor motor control centre (MCC) for BHP Billiton's Mt. Arthur Coal Mine. Already working on site to upgrade the electrical systems for the new coal handling plant, O'Donnell Griffin's engineers and technicians had an in-depth understanding of the harsh environment the MCC would need to endure. The O'Donnell Griffin engineers designed an IP66 rated, stainless steel, demountable motor control centre, complete with a fully type tested bus system. The design has become BHP Billiton's site standard, and O'Donnell Griffin have since built and installed an additional 3 MCCs and 3 relocatable substations.

## CASE STUDY Orica Mining Services

O'Donnell Griffin was first engaged by Orica to design, manufacture, install and commission a transportable switchroom for Orica's new Ammonium Nitrate Emulsion Facility in Kurri Kurri, NSW. The switchroom included a fully type tested motor control centre, wall mounted variable speed drives, air conditioning and switchroom light and power. The works were designed for optimal operator safety by having remote operation of the main Air Circuit Breaker (ACB). This design allows the operator to turn the ACB on & off externally from the switchroom, removing the threat of potential arc flash hazards. In addition to the switchroom package, Orica also awarded the electrical, instrumentation and communications services contract to O'Donnell Griffin.

### QUALITY SWITCHBOARD SOLUTIONS

## In-house design, manufacture and installation of custom switchboards

### Design and Manufacturing Flexibility

- Custom built or modular systems
- Fixed, demountable, or fully withdrawable configurations
- 316 stainless steel, aluminium, or powder coated mild steel
- Mounting stands, brackets, and supports
- Custom bus bars and bus ducts
- Fully type tested
- In-house fabrication and assembly
- Expertise in outdoor control cabinets

### Maximum Ratings

- IP66 degree of protection
- Form 3b or Form 4 segregation
- 1000Vac operational voltage
- 7000A current rating
- 100kA fault rating
- Manufactured to AS3439.1 Appendix ZD
- Quality assurance to AS/NZ ISO 9001:2008

### Range of Solutions

- Motor control centres
- Main power switchboards
- Power distribution boards
- PLC control panels
- Control panels
- VSD / Soft starter panels
- Control desks
- Local control stations
- Visible break isolator panels
- Decontactor isolation panels
- Power factor correction panels
- Mimic panels
- Transportable switchrooms & control rooms
- Relocatable substations

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