



Switch onto Mayfield

**Mayfield
Capability
Profile**

**Design, manufacturing, installation
and commissioning of switchroom
and switchboard solutions.**



mayfield

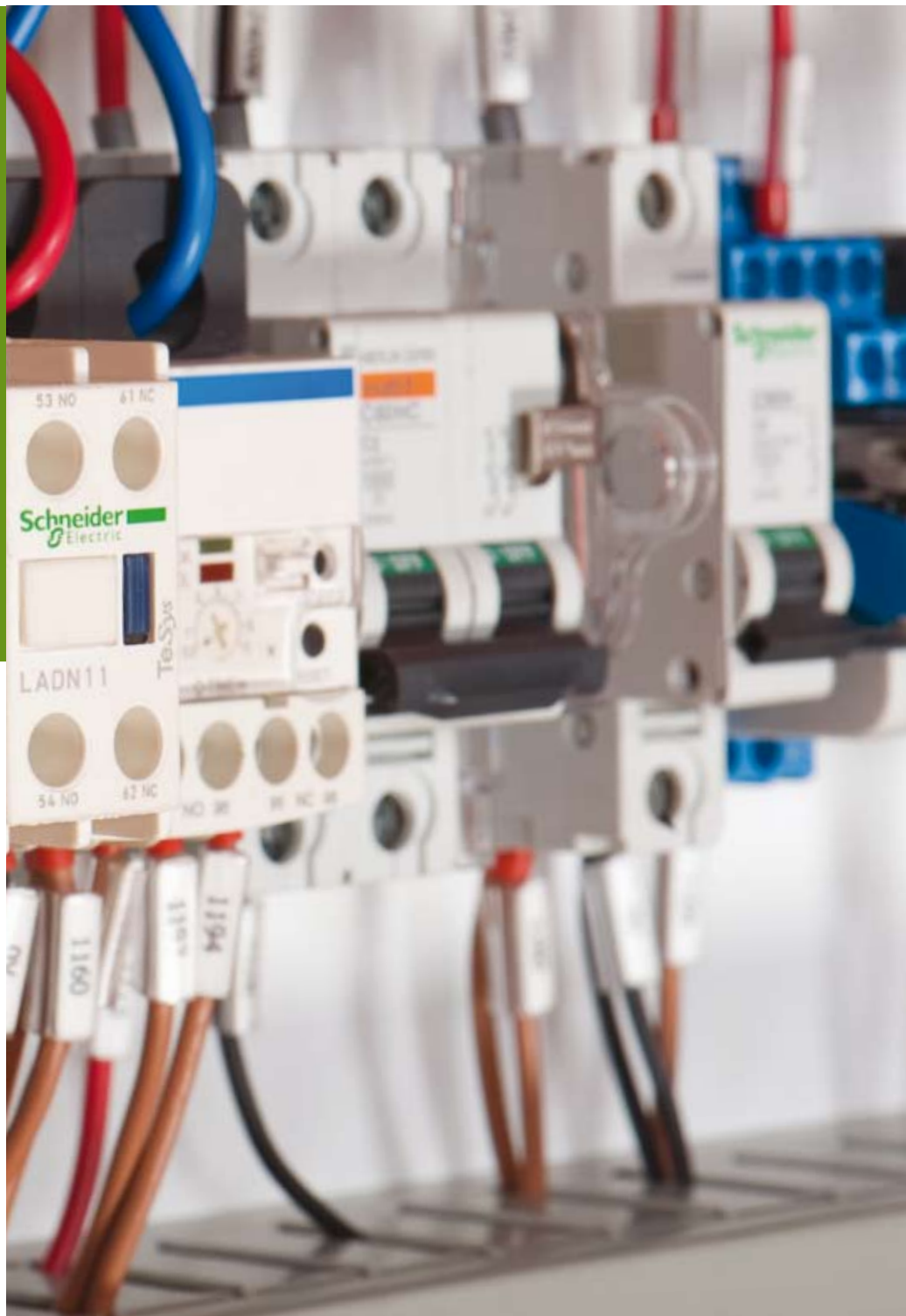
A quiet achiever

Mayfield is a specialist engineering company with Australia's most trusted name in the design, manufacturing, installation and commissioning of switchroom and switchboard solutions.

We have been developing customised solutions for our clients since 1936 and believe that no project is too big or too small. Our modern manufacturing facility, situated on 12,000m², provides the foundation for guaranteed project delivery, on time and to the highest possible standards.

We pride ourselves on the quality and longevity of our client relationships established over many years, which include a considerable number of long-term clients and repeat business, earned by providing the best solutions.

Experience has shown us that maintenance can be a costly component throughout a product's life cycle. Accordingly, our approach ensures we focus on delivering the lowest 'total life cost'.





**It's not just what
we do, but how we
do it that matters.**

Strength you can count on

Our Values

Our values define the way we work and help define our unique culture.

We value:

- Safety and health above all else
- Respect for the community and environment
- Enduring business relationships
- Our people are the foundation of our success
- Achievement through teamwork

Our Focus

Our market focus is diverse and extends across the following areas:

- Water treatment plants
- Wastewater treatment plants
- Pumping stations
- Power generation
- Co-generation facilities
- Mining and mineral
- Oil and gas
- Industrial
- Process industries





Specialist Expertise

Our Capabilities

We deliver switchrooms, switchboards, motor control centres and other products to clients locally and overseas. Our reputation has been founded on our switchboard manufacturing capability, however our offering extends beyond this.

Our approach to winning and delivering each project is flexible, in that we can offer our clients a range of partnering models, including alliancing or a consortium arrangement.



Transportable Switchrooms

We design and manufacture fully transportable switchrooms, control rooms and process skid assemblies. Our switchrooms are custom designed and built to withstand the most arduous climate and transport routes Australia has to offer.

As a switchboard manufacturer, we understand what is required to integrate switchboards and switchgear into transportable switchrooms.

Our buildings are manufactured entirely in-house and designs are based on all steel construction for the base, wall and roof sections incorporating:

- Fire rated construction
- Fire alarm systems
- Colourbond steel sheeting to walls and ceiling – internal/external
- Fire suppression and VESDA alarm systems
- Air conditioning systems
- Room pressurisation systems/
Dust ingress prevention
- Support platforms and stairs
- Complete electrical and switchgear fitout
- Communication systems
- Cyclone, ballistic and blast rated construction

Switchboard Capabilities

We provide the option of a custom-built switchboard, tailored to specification, or a modular 'off the shelf' switchboard.

Our switchboards are type tested to AS 3439, in accordance with the following:

- continuous ratings up to 5,000A
- short-circuit ratings up to 100kA
- Forms 1, 2, 3, 3A, 3B or 4 segregation
- Appendix E arc fault containment

Based on our client's requirements, cubicles can be manufactured from marine grade aluminium, mild, galvanized or stainless steel.



Custom Switchboards

Main switchboards are manufactured entirely in-house, in accordance with independently certified quality assurance procedures. This ensures total control throughout all phases of design and production.

As part of our customised solution, configuration options include:

- Up to IP65 degrees of protection
- front or back connection
- top and/or bottom cable entry
- double sided or back-to-back
- shipping breaks
- external/internal paint colour to specification

To support our ability to manufacture custom built switchboard enclosures and switchrooms in-house, we have a state-of-the-art manufacturing facility, which is fully equipped with large fixed machinery, including brake presses, guillotine and the latest in turret punch technology, enabling general steel fabrication to high tolerances.

In addition, we have a fully equipped wet spray painting and baking system to facilitate a variety of paint finishes.

Our capabilities in this area include the following:

- acoustic enclosures
- access platforms
- canopies
- stairs
- walkways
- general equipment supports



Modular Switchboards

We offer our clients a modular switchboard, designed for main switchboard and motor control centre applications.

We are well versed in applying a variety of proprietary modular switchboard building systems, such as B&R, Elsteel, Rittal and Cubic.

Modular construction systems enable products to be built to various sizes and configurations, resulting in shortened lead times and design flexibility, to produce type-tested solutions.

Modular switchboards offer our clients a cost effective, simple to construct solution, which maximises design flexibility, particularly in fast track project time frames.

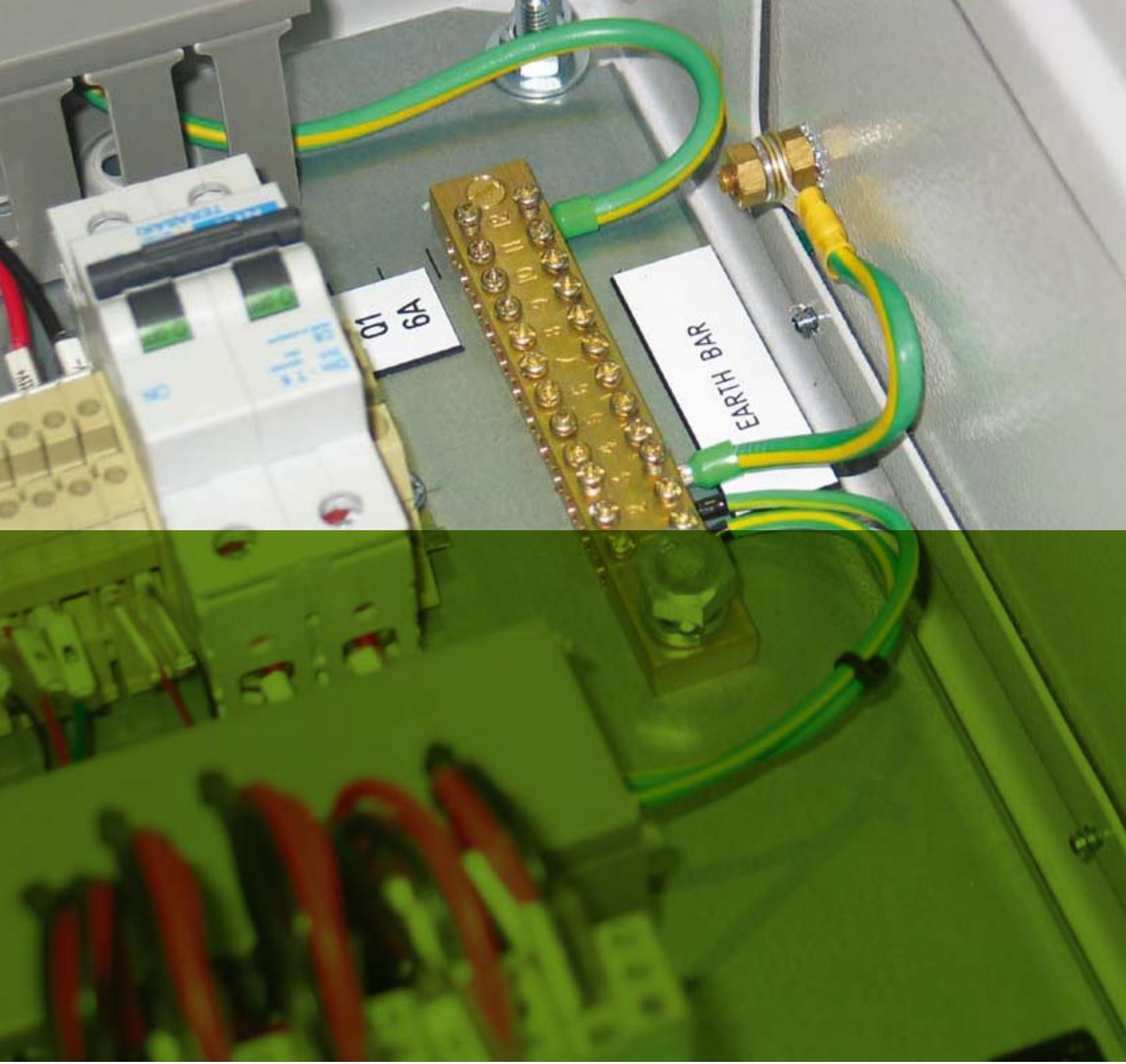
Motor Control Centres

We offer our clients motor control centres with the option of fixed, plug-in or withdrawable modules. They are designed and manufactured in-house and can be configured in a number of ways, for example, front or back connection, top and/or bottom cable entry and for variations, such as walk-in tunnel or double-sided arrangement.

The plug-in and withdrawable motor control centres offer our clients a completely flexible design. Modules can be rearranged in the future without the need to cut, drill or weld and they also offer easy extension from both ends. The draw-out nature of modules simplifies maintenance and minimises downtime.

Features of our motor control centres include:

- Fault level of 50kS for 3 secs, 100kA for 1 sec
- Forms 1, 2, 3, 3A, 3B or 4 segregation
- Form 3B, Appendix E (arc fault containment)
- Up to IP65 degrees of protection
- Horizontal busbar system rated from 1000A to 5000A
- Vertical busbar system rated up to 1000A
- Full-length Neutral and Earth bars
- Cable entry from top and bottom
- Switched fuse units and circuit breakers are door interlocked, ensuring operator safety



Our Clients

Siemens
BHP Billiton
Schneider Electric
Electranet
Tenix
SA Water
United Water
Santos
GRD Minproc
Ausenco
Rolls Royce
Adelaide Brighton Cement
Leighton Contractors
Ergon Energy
Consolidated Power
HWE / Rio Tinto
OneSteel

Our Projects

Olympic Dam Expansion (SA)
Newman Power Station (WA)
Quarantine Power Station (SA)
Mt Stuart Power Station (QLD)
Bamaga & Badu Island
Power Station (QLD)
Beverley Four Mile (SA)
CWQIP (SA)
Port Adelaide and Bolivar High
Salinity Project (SA)
Snapper Mineral Sands (NSW)
Pooncarie Mineral Sands (NSW)
GAP - Glenelg to Adelaide Pipeline (SA)
West Bangkok WTP (Bangkok)
Shannon Creek Water Storage
Mesa A (WA)
BMA Broadmeadows (QLD)

Metronode Datacentre (VIC)
Iron Barron (SA)
APLNG Upstream GPF and WTF (QLD)





Mayfield
280 Cormack Road,
Wingfield, SA 5013
t (08) 8169 1000
f (08) 8169 1099
e mayfield@mayfieldindustries.com.au