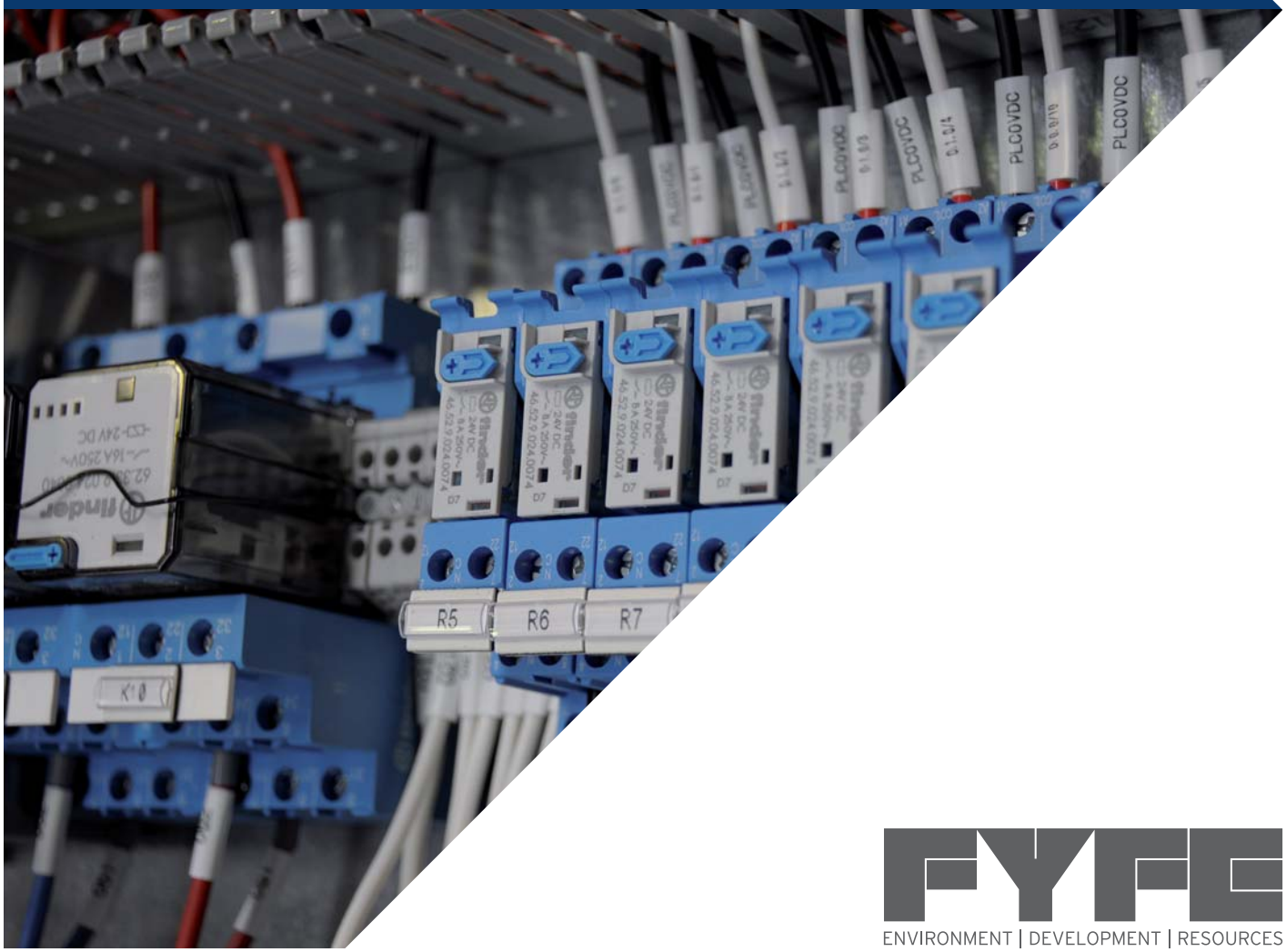
SERVICE SHEET

ELECTRICAL & INSTRUMENTATION ENGINEERING

Fyfe's flexible solutions for client requirements cover feasibility studies through to concept design, front end engineering design, detailed design and turnkey solutions.



FYFE

ENVIRONMENT | DEVELOPMENT | RESOURCES

ELECTRICAL & INSTRUMENTATION ENGINEERING

The experienced Fyfe team has expertise in:

Manufacturing
High volume, high automation in a 24 x 7 process with emphasis on uptime and efficiency using state of the art management information and reporting systems.

Mining
Electrical, PLC and SCADA for mine sites and a rail receival, stockpiling and materials handling.

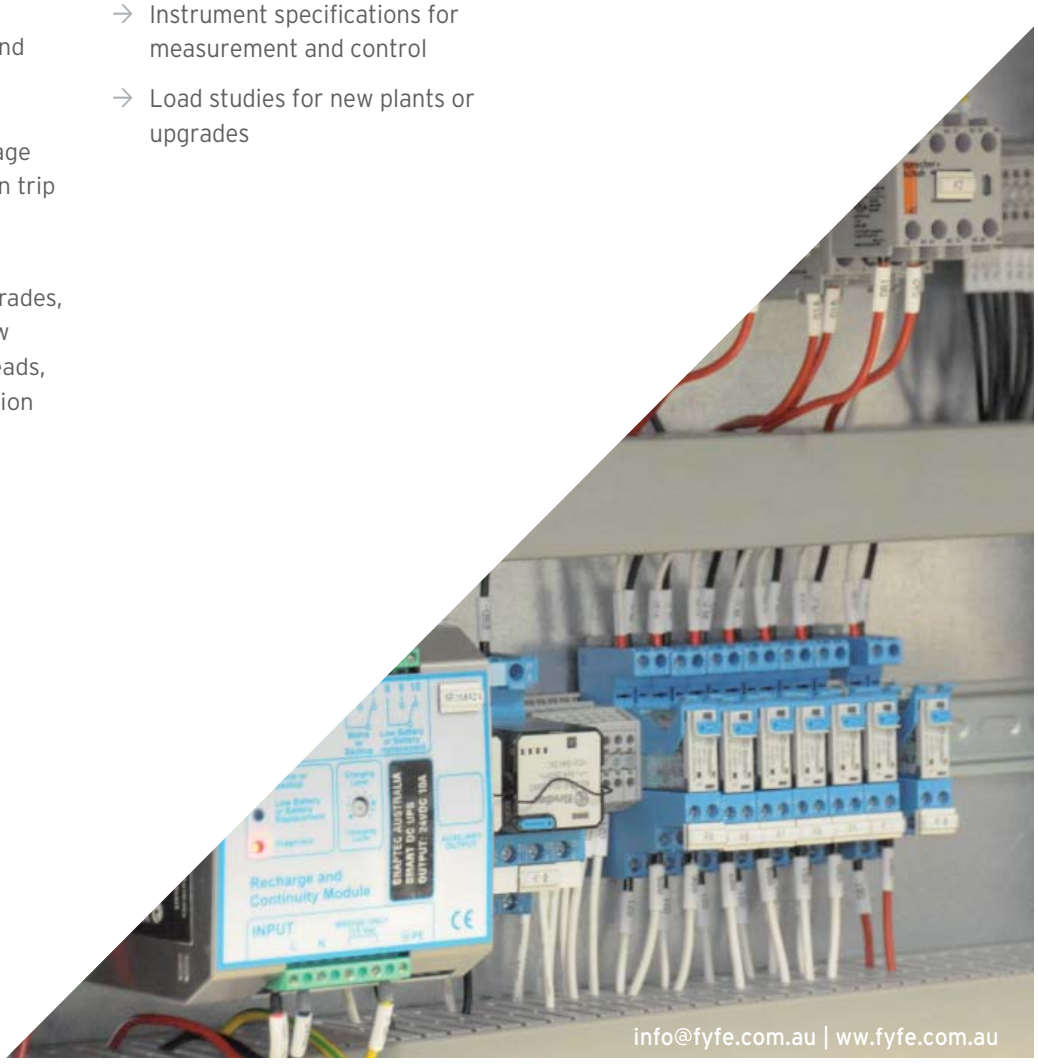
Water
Design, construction and commissioning of skid and container based reverse osmosis and other water systems.

Power
Design, construction supervision and refurbishment of instrument and control systems in power stations and substations, high and low voltage power system modelling, protection trip analysis and settings.

Oil and gas
plant modification and system upgrades, pumping stations and pipeline (flow line and trunk line) systems, wellheads, surface facilities and metering station design.

Core skills of our team include:

- Concept and feasibility studies
- Control valve sizing
- FAT, SAT and commissioning
- Earthing and equipotential bonding
- Electrical power system design utilising both LV and HV systems
- Electrical protection and grading
- Electrical Equipment for Hazardous areas, selection, design and documentation
- FEED and detail design engineering
- Functions specifications
- Instrument specifications for measurement and control
- Load studies for new plants or upgrades
- Motor Control Centres and starting system using DOL, soft starters and VSDs
- Modifications and upgrades to existing electrical systems
- Operator training
- Safety instrument system design and certification
- Solar powered systems
- System architecture and communication design using RTUs, PLC and SCADA systems
- System power studies



info@fyfe.com.au | ww.fyfe.com.au