



Capability Statement

# ELECTRICAL CONTROL SOLUTIONS

# CAPABILITY STATEMENT

Recognized globally as a highly reputable manufacturer and supplier of innovative Electrical Control Solutions.

**MATelec Australia**, renowned for its capacity to design, build, test and deliver innovative Electrical Control Solutions of significant complexity and advanced technology, has established itself, both nationally and internationally, as a highly reputable manufacturer and supplier to infrastructure development, and essential mechanical service industries, across many market segments.



## IN-HOUSE EXPERTISE

**MATelec Australia** has in-house, a team of qualified system and application design engineers, who are highly professional in their approach to discovery, collaboration, concept development, P&ID construction, estimation, AutoCAD Electrical – Circuit Diagrams, General Arrangement and 3D modelling, all of which establishes a high level of rapport with clients at every level.

With over One Hundred and Twenty Thousand Control Panels out in the field, reliably performing strategically important functionality, every day, MATelec Australia has both, the depth of application experience; and the highly credible track record necessary to provide the assurance of exceptional capability.





**MATElec Australia**, engages with strategic partners to design and build control solutions for a broad spectrum of applications, across multiple industries.

A summary of particular applications, industries and systems of focus, are listed below.

## APPLICATIONS

- Pump Control
- Motor Control
- Valve Control
- Liquid Level Control
- Temperature Control
- Flow Control
- Pressure Control
- Supply/Feed/Batch Control.

## INDUSTRIES

- Water Boards/Authorities
- Municipal Services Reticulation
- Mining Infrastructure
- Transport Infrastructure
- Military Infrastructure
- Mechanical Services
- HVAC Equipment Control
- Agriculture Infrastructure
- Environmental Sustainability.

## SYSTEMS

- Water Transfer/Supply
- Pressure Boosting
- Sewage Pumping
- Storm/Rainwater Pumping
- Flow Diversion
- Filtration Systems
- Water Quality/Dosing Systems
- Wastewater Treatment
- Trade Waste Treatment
- Rainwater Harvesting
- Irrigation Systems
- Fire Pump Control
- Dewatering & Sump Pumping.



# ACCREDITATION & COMPLIANCE

## ACCREDITATION

MATelec Australia is an accredited Australian Made manufacturer of Control Solution products. Based at the manufacturing facility in Victoria, the Production Team carries out the entire manufacturing process including Engineering, Wiring, Quality assessment, Electrical load testing to appropriate Australian Standards, Function logic testing, Compliance labelling, final pre-dispatch inspection, wrapping, and packaging for transportation.



## COMPLIANCE

All Control Solution products manufactured by MATelec Australia are compliant to the relevant Australian Standards including Wiring Codes:

- AS/NZS 3000:2018
- AS/NZS 61439.1 (where applicable)
- Electrical Safety AS/NZS 3100
- RMC Responsible Supplier EESS registration: E6302.

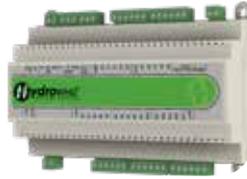


# THE MATElec AUSTRALIA ADVANTAGE



## PROPRIETARY CONTROL MODULES

Given the scale of MATElec Australia's production of Control Solutions, a comprehensive range of high-quality proprietary Control Modules, have been designed, developed and manufactured for repeatable control logic applications. These preprogrammed modules, tried and tested over thousands of applications, significantly improves development and production lead times, PLC programming time, on-site commissioning, debugging and fault-finding times, reliability, and overall cost efficiency.



## PARTNERSHIP FOR OPTIMUM SOLUTION

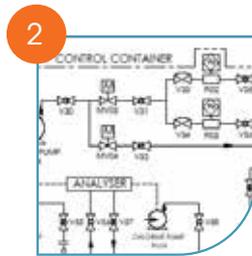
Unlike other solution providers, where the total solution is engineered within the confines of their own 'single source' of equipment; MATElec Australia, partnerships with all leading brands of control componentry suppliers to ensure an industry-best solution is designed and engineered for each application solution.



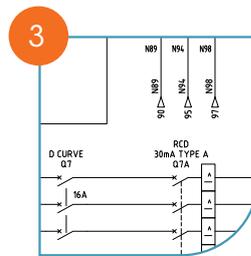
# CONCEPT TO COMPLETION... & BEYOND\*



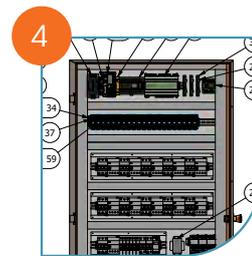
**Discovery  
Collaboration**



**P&ID Drawings  
& Functional  
Description**



**AutoCAD Circuit  
Diagrams**



**AutoCAD General  
Arrangements**



**PLC Programming**



**HMI Touch Screen  
Programming**



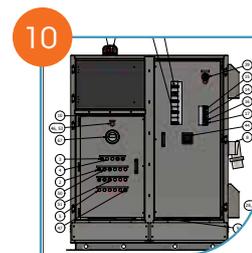
**Panel  
Manufacturing**



**Electrical Testing**



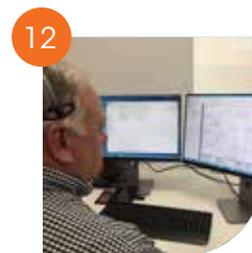
**Quality Assurance  
Sign Off**



**As Constructed  
Drawings**



**Site Commissioned  
Support**



**Qualified Technical  
Support Line**

\*MATElec Australia provides on-going qualified technical support.



# THE GENIUS OF INNOVATION

## REMOTE MONITORING & CONTROL PLATFORM

- Custom user interface dashboard
- Cloud data storage servers
- Secure data link and service
- IoT hardware for asset data capture
- Onsite Wi-fi link for servicing and setup.





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& Operated



5 Star Customer  
Service



Service  
Excellence

