

# PROVE

I N F R A



# Capability Statement

[www.PROVeng.com.au](http://www.PROVeng.com.au)



PROVE Infra is a dynamic and multi-skilled team that includes Electrical & Mechanical Engineers and A-Grade Electricians (REC30284). We offer turnkey solutions for the design, fabrication, installation and commissioning of Switchboards, Motor Control Centres, Control & Automation systems, PLC/SCADA integration and mechanical design and installations of pumps, valves and monitoring instrumentation.

We're more than just a contracting business; we're a dedicated team committed to delivering exceptional outcomes for our 'Team', the 'Environment', and our 'Social' networks. Our core values drive every aspect of our operations, ensuring reliability, sustainability, and positive impact in everything we do.

PROVE Infra is a Kinaway certified and Supply Nation registered Aboriginal business. Kinaway and Supply Nation both provide support, advice, directory services and create opportunities for Aboriginal and Torres Strait Islander businesses across Victoria.

**At PROVE Infra, we're dedicated to exceeding expectations, fostering sustainability, and making a positive impact on the communities we serve. Partner with us for reliable, innovative, and socially responsible infrastructure solutions.**



### **Yarra Valley Water - Thermographic Inspection WPS631**

PROVE was engaged by a leading Water Utility to perform an electrical condition assessment program across 150 sewer and water network sites. The condition assessment formed part of a preventative maintenance program to identify electrical faults and allow early remediation of issues. Site works included electrical testing, thermal imaging and visual inspection of switchboards, motors and general electrical equipment. Following the site assessment the client was provided with an Engineering report containing findings and recommendations.



### **Catch of the Day - Conveyor Installation**

We specialise in providing Electrical and Mechanical services to the Industrial Automation sector, including conveyor systems, CNC machine tools and manufacturing lines. The above project consisted of the installation of 160m of conveyor for use in a warehouse facility. The conveyor system included belt conveyors, pulse roller and pop-up transfers with interfaces to an autonomous robotic system. Following completion of the conveyor system breakdown assistance was provided to the customer during peak service periods.



### **ADB Safegate - Airport Lighting Switchboards**

A customer required a turnkey solution to provide power to Floodlighting control systems at an airport. The works were performed in several key stages. First, a functional Design Statement (FDS) was prepared to capture the key system requirements. Following the FDS, detailed electrical design was undertaken with drawings provided for customer approval. Finally, the switchboards were manufactured and testing held with the customer.

## Our Core Services:

**Dependable Water Industry Solutions:** We specialise in providing reliable, customer-focused services within the water industry, delivering top-tier solutions tailored to meet the unique needs of our clients.

**Multidisciplinary Team:** Our team comprises skilled professionals including Electrical and Mechanical Engineers, Electricians, and Fitters, enabling us to tackle projects from diverse angles with expertise and efficiency.

**Certified Excellence:** PROVE Infra is proud to be certified to ISO 9001, 14001, and 45001 standards, demonstrating our commitment to quality, environmental sustainability, and occupational health and safety.

**Indigenous Recognition:** We're honoured to announce that a division of PROVE has been recognised by Supply Nation and Kinaway as an Aboriginal registered business, reflecting our dedication to opportunity, diversity and inclusion.

## Technical Capabilities:

**Switchboard Solutions:** From design and preparation of electrical drawings to assembly and integration, we ensure compliance with AS/NZS 61439 standards for reliable switchboard solutions.

**Engineering Consulting:** Our Chartered Engineers provide comprehensive consulting services for both Electrical and Mechanical design, ensuring optimal performance and efficiency.

**Safety and Compliance:** We offer switchboard audits to AS/NZS 3019 standards, 3D Matterport scanning, machine safety assessments to AS/NZS 4024, and instrumentation services to ensure safety and regulatory compliance.

**Mechanical Expertise:** Our capabilities extend to mechanical installation of pumps, valves, fittings, as well as minor civil works such as concreting, asphalt reinstatements, and installation of safety handrails.

**Welding and Fabrication:** We provide general welding and fabrication services to meet diverse project requirements with precision and quality craftsmanship.

**Maintenance Solutions:** From general maintenance to emergency breakdowns and preventative maintenance, our team ensures the smooth operation and longevity of your infrastructure assets.

**Electrical Contracting:** Our expertise in electrical contracting and industrial automation encompasses a wide range of services, delivering reliable solutions for various applications.

**Rail:** Experienced in providing Electrical and Mechanical contracting services to the Rail sector, with RIW-inducted employees.

**Water & Waste Water Infrastructure:** Extensive experience in infrastructure upgrades and maintenance for water utility operation teams.

**Flow Meters – NATA calibration of water meters and fluid flow meters.**



## Yarra Valley Water - Lagoon Remote Switchboard

Our team of Engineers and Tradespeople offered a Design and Construct solution for a remote off the grid pump station. The project required consultation and preparation of a functional design statement, preliminary and final design. The approved electrical and mechanical drawings were used for construction of a new switchboard, pump, permanent generator, solar systems and SCADA integration.



## Yarra Valley Water - WPS142 Warburton

A complete Electrical and Mechanical upgrade was performed for a Water Pumping Station in Warburton. The upgrade included the design and installation of a new Switchboard, pumps, harmonic filters, overhead crane. A multistage pump solution was provided to allow the supply of water to seamlessly be provided based on customer demand. To ensure the continued supply of water to customers during the upgrade works a bypass pumping strategy was implemented during construction.



## Southern Rural Water - Lerderderg Weir

A complete electrical upgrade was performed for the Lerderderg Weir. Works included drawing template updates, switchboard manufacture and installation, temporary gate controls, replacement of all cabling, installation of field devices, programming, FAT, SAT and documentation. During construction works, the pedestrian walkway though the weir had to remain open. In order to ensure access was available but safety wasn't compromised, clear signage, delineation and communication was used.



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