profisol

Delivering intelligent automation, electrical engineering and control system solutions that improve productivity, reliability and operational performance across Australia's industrial sectors.

Industrial Automation & Control Solutions

ENGINEERING EXCELLENCE

PRACTICAL SOLUTIONS

RELIABLE DELIVERY

About Profisol

Engineering Confidence Into Every Project

Profisol is an Australian industrial automation and electrical engineering company, and part of the Oberix Group, specialising in the design, integration and commissioning of control systems for critical industrial environments.

As part of the Oberix Group, Profisol works alongside Leading Edge Automation, extending our collective capability across industrial and building automation and control.

We partner with manufacturers, utilities, infrastructure providers and industrial operators to deliver practical automation solutions that improve efficiency, reduce downtime and support long-term operational success.

Our team combines engineering expertise with hands-on field experience, enabling us to deliver projects from concept through to commissioning and ongoing support.

LEADING EDGE AUTOMATION oberix

Our Approach

- COLLABORATIVE PROJECT DELIVERY
- PRACTICAL ENGINEERING SOLUTIONS
- SAFETY-FIRST CULTURE
- OPEN AND VENDOR-NEUTRAL SYSTEMS
- LONG-TERM CUSTOMER PARTNERSHIPS

Complete Automation Solutions

Whether delivering a new facility or modernising existing infrastructure, Profisol provides complete automation and electrical engineering services across the entire project lifecycle.

Services

- PLC PROGRAMMING
- SCADA DEVELOPMENT
- HMI DESIGN
- ELECTRICAL DESIGN
- CONTROL SYSTEM INTEGRATION
- INDUSTRIAL NETWORKING
- FUNCTIONAL SAFETY
- INSTRUMENTATION
- CONTROL PANEL DESIGN
- FAT & SAT TESTING
- SITE COMMISSIONING
- SYSTEM UPGRADES
- PREVENTATIVE MAINTENANCE
- ONGOING TECHNICAL SUPPORT

Proven Across Critical Industries

Our engineers have delivered automation solutions across a diverse range of industries where reliability, safety and operational performance are essential.

Industries

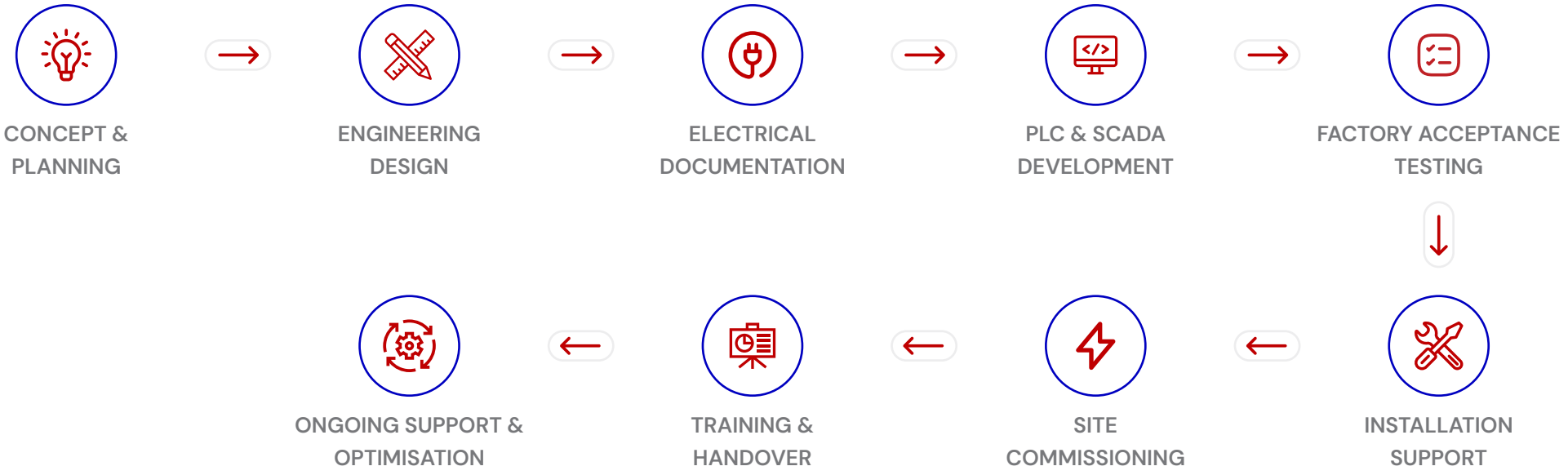
- MANUFACTURING
- FOOD & BEVERAGE
- WATER & WASTEWATER
- MINING & RESOURCES
- INFRASTRUCTURE
- ENERGY & UTILITIES
- PHARMACEUTICAL
- OEM MACHINERY
- INDUSTRIAL PROCESSING
- COMMERCIAL & GOVERNMENT FACILITIES

Every solution is tailored to the operational requirements of each client, ensuring reliable performance and long-term value.

End-to-End Project Delivery

Profisol manages every stage of the automation lifecycle, providing clients with a single engineering partner from project inception through to long-term support.

Our Process



Our structured delivery methodology ensures projects are completed safely, efficiently and with minimal operational disruption.

Working with Industry-Leading Platforms

We design and support automation systems using proven technologies from globally recognised manufacturers.

Platforms & Technologies

Suppliers / Manufacturers

Rockwell Automation · ABB · BECKHOFF · Siemens · Schneider Electric · Mitsubishi Electric · Omron · AVEVA

Software Platforms / Product Brands

CODESYS · Ignition! by inductive automation · WinCC · Citect SCADA · FactoryTalk by ROCKWELL AUTOMATION

Industrial Protocols / Standards

Modbus · PROFINET · INDUSTRIAL ETHERNET · EtherNet/IP · OPC UA

Associated industry organisations

ODVA · PI PROFIBUS • PROFINET · Modbus · OPC FOUNDATION

Our vendor-neutral approach allows us to recommend the most appropriate technology for each application.

Why Profisol

Australian engineering, nationwide delivery and 24/7 technical support for critical industrial operations.

What Sets Us Apart

AUSTRALIAN-BASED ENGINEERING

Local engineering expertise, accountability and knowledge of australian industrial standards.

NATIONWIDE PROJECT COVERAGE

Project delivery and technical support across Australia, from site assessment through to commissioning.

24/7 CRITICAL SUPPORT

Responsive technical assistance when automation systems, equipment or operations are at risk.

ONE TEAM, FULL PROJECT LIFECYCLE

Consulting, design, programming, testing, commissioning, optimisation and ongoing support.

ELECTRICAL AND AUTOMATION EXPERTISE

Integrated capability across switchboards, instrumentation, PLCs, SCADA, HMIs and industrial communications.

INDEPENDENT TECHNICAL PROBLEM-SOLVING

Vendor-neutral engineering, root-cause investigation and post-incident analysis focused on the best operational outcome.

One accountable engineering partner for safer, more reliable and future-ready operations.

Delivering Results Across Australia

Profisol has successfully delivered automation and electrical engineering projects across a broad range of industrial sectors.

- INDUSTRIAL MANUFACTURING FACILITIES
- WATER TREATMENT PLANTS
- INFRASTRUCTURE PROJECTS
- PROCESSING PLANTS
- ELECTRICAL UPGRADES

Our experience includes:

- SCADA MODERNISATION
- PLC MIGRATIONS
- CONTROL PANEL DESIGN
- PLANT COMMISSIONING
- BROWNFIELD AND GREENFIELD DEVELOPMENTS

Case Studies

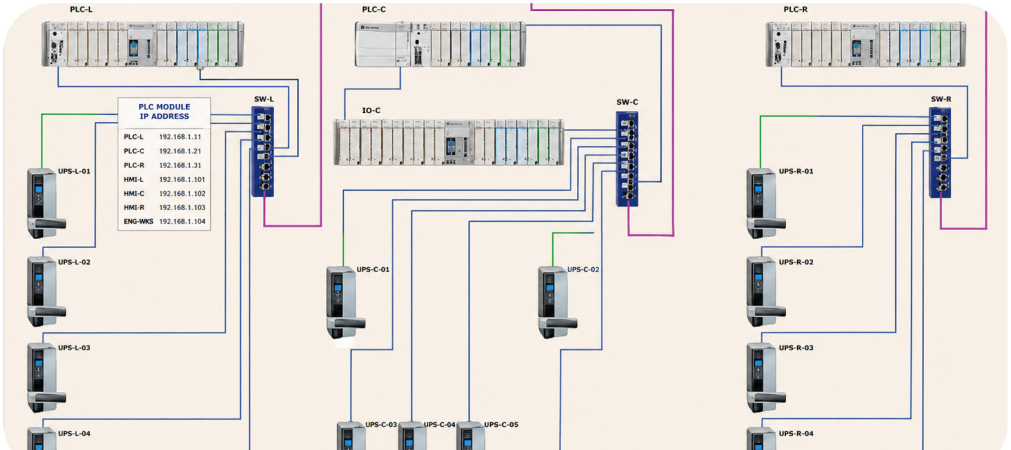
Veolia Environmental Services NWO Bulla Automation Controls

The Veolia NWO Bulla facility processes large volumes of green organics, food waste, and garden waste into high-grade compost and mulch products for environmental recycling applications.

The facility receives, processes and repurposes organic waste delivered by the Department of Energy, Environment and Climate Action (DEECA) and 11 participating councils in the north and west of Melbourne.

Project Description

- Control systems, instrumentation and communication systems consulting
- Electrical and switchboard design, calculation & drawings, instrumentation connectivity
- PLC control system design and programming
- SCADA system design and programming
- Plant control system commissioning



Dominique Portet Winery Wastewater Recycling Facility

Dominique Portet Winery was established in the Yarra Valley in 2000, with Coldstream selected for its cool-climate conditions, natural beauty and potential. The winery's wastewater treatment system was modernised and upgraded in 2018 to comply with environmental standards.

Project Description

- Electrical and switchboard design, calculations and drawings, and instrumentation connectivity
- PLC control system design and programming
- HMI system design and programming
- Plant control system commissioning

NRS Dandenong Control System Upgrade

Veolia is a leading processor of food and organic waste in the metropolitan Melbourne market, through its in-vessel composting facility (NRS) in Dandenong. This is the only metropolitan facility licensed by the EPA to process food waste and has been successfully converting food and garden organic wastes into soil improvement products since 2000.

In-vessel composting is the biological degradation of organic wastes within an enclosed, controlled and monitored aerobic environment. This form of composting takes place within a concrete reactor, using the principles of managing temperature, humidity and air circulation for optimum aerobic decomposition. This ensures that naturally occurring micro-organisms can convert organic waste material into rich organic soil additives, destroying potentially harmful micro-organisms and weed seeds in the process.

Source-separated organic food waste is processed at the NRS facility to produce AS4454 certified organic growth medium for sale back into the Melbourne market.

The plant's control system was modernised and completely rebuilt in 2018.

Project Description

- Control systems, instrumentation and communication systems consulting
- Electrical and switchboard design, calculations and drawings, and instrumentation connectivity
- PLC control system design and programming
- SCADA system design and programming
- Plant control system commissioning

Built on Quality.
Backed by Support.

Every project is delivered with a commitment to safety, quality and long-term reliability.
We work closely with clients to minimise operational risk while ensuring systems are delivered to the highest engineering standards.

Our Ongoing Support Services Include

01
PREVENTATIVE MAINTENANCE

02
SYSTEM HEALTH CHECKS

03
FAULT FINDING

04
REMOTE SUPPORT

05
SOFTWARE MODIFICATIONS

06
PERFORMANCE OPTIMISATION

07
LIFECYCLE UPGRADES

Our goal is to build long-term partnerships that continue well beyond project completion.

Contact

Let's Build Better Automation Together

Whether you're planning a new automation project, upgrading an existing control system or seeking ongoing engineering support, Profisol has the expertise to help.

Contact Us

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