



AUSVERSE ENGINEERING

Solution Beyond Expectation

COMPANY PROFILE

ENGINEERING WITH PURPOSE
SOLUTIONS THAT LAST.

ENGINEERING

SOLUTIONS THAT MATTER

Delivering intelligent engineering solutions
with integrity, innovation, and impact.

**At Ausverse Engineering Services,
we bring together proven
Engineering expertise and
practical construction experience.**



Our team develops smart, constructible
designs and provides ongoing support
throughout project delivery, helping to
reduce delays and ensure smooth,
efficient execution on site.





OUR VISION

To provide high-quality, cost-effective engineering solutions that uphold safety, sustainability, and serve both clients and community – Partnering for success.



OUR MISSION

To deliver innovative and reliable engineering services that ensure safety, sustainability, and lasting benefits for society. Solutions that last.



OUR MOTTO

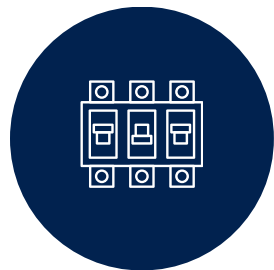
Safe, reliable, and efficient solutions designs tailored for client and community needs. Engineering with purpose.

OUR SERVICES

Integrated engineering solutions.
Designed to deliver impact.



Electrical Design



Switchboard Design

Design of reliable and compliant switchboards tailored to project requirements.



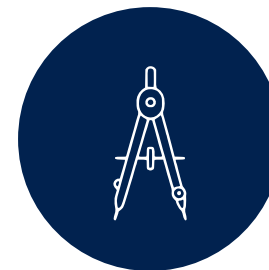
Control System Design

Design of control systems for reliable monitoring and operational efficiency.



Substation Design

End-to-end substation design for efficient and safe power distribution.



Electrical Drafting

Accurate and detailed electrical drawings to support design and construction.



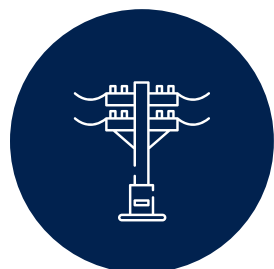
Earthing Design

Effective earthing solutions ensuring safety, system protection, and performance.



General Arrangement Drawings

Preparation of general arrangement drawings for clear layout and installation planning.



LV and HV Design

Design of low and high voltage systems in line with relevant standards.



Electrical Studies



Load Flow Analysis

Analysis of electrical load flows for system performance and optimization.



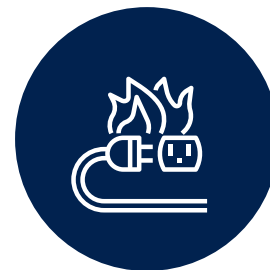
Protection Studies

Evaluation of protection systems to ensure reliability and equipment safety.



HV Installation Verification

Verification of high voltage installations to ensure compliance and safety.



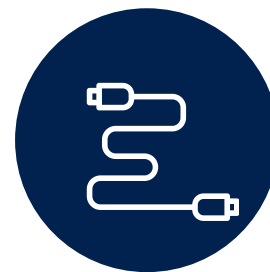
Short-Circuit and Arc-Flash Analysis

Assessment of short-circuit levels and arc-flash hazards for safe system design.



Voltage Drop Calculations

Calculation of voltage drop to ensure system efficiency and compliance.



Cable Sizing Calculations and Schedules

Calculation of cable sizes and preparation of schedules for efficient design.



IT & Digital Services



Dedicated IT Support & Corporate Infrastructure Management

Reliable support and efficient management of IT systems and infrastructure.



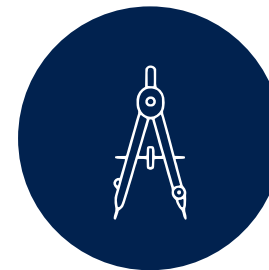
Cloud & Infrastructure Support

Secure cloud solutions and infrastructure support for seamless operations.



System Administration & Network Management

Proactive management of systems and networks to ensure reliability and security.



Technology Consulting & Performance Optimization

Expert guidance and optimization to enhance technology performance and scalability.



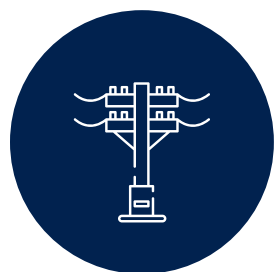
Customized Digital Solutions

Tailored digital solutions designed to meet unique business needs.



Dedicated IT Support & Corporate Infrastructure Management

Strategic IT consulting to align technology with business goals.



Business Process Automation

Automating workflows to improve efficiency and reduce operational costs.



Structural, Mechanical & Piping



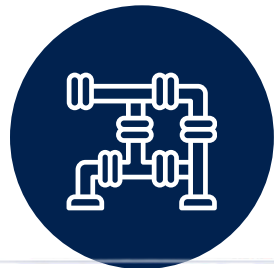
3D Structural Scanning

High-accuracy 3D scanning and point cloud capture for existing structures.



Drafting and Design

Detailed drafting and engineering designs tailored to project requirements.



Mechanical and Piping Layout

Comprehensive layout and coordination of mechanical systems and piping.



Plant Modifications and Updates

Engineering solutions for plant modifications, upgrades, and system improvements.



OUR PROJECTS

Real solutions.
Proven results.



Grain Storage Facility Electrical & Control System Design and Installation (Grenfell)



Scope

Design, Project management and Site commissioning of a main switchboard (415V 1200A 36kA), PLC control integration, and remote I/O systems.



Outcomes

- Delivered a compliant and fully commissioned 415 V, 1200 A switchboard system (36 kA fault rating)
- Integrated PLC and remote I/O for improved automation and operational visibility
- Improved safety through arc-flash mitigation and optimized protection coordination



Tools or Resources

Factory Talk, AutoCAD, ETAP, PLC Programming Tools, HMI Development Software.



Standards

AS/NZS 3000, 3008, 61439, 3007, 60898



Deliverables

- IFC Drawing Package (SLDs, schematics, instrumentation diagrams, PLC control drawings, remote I/O layouts, and lighting layouts)
- Protection Study (fault level analysis, relay coordination/grading, and arc-flash risk assessment)
- Earthing System Design (including touch and step voltage verification)
- Final Design Report (technical justifications, calculations, and compliance documentation)



Electrical & Instrumentation Design



Scope

Design and commissioning of a 415 V, 1600 A switchboard with PLC integration, remote I/O systems, lighting layouts, and earthing design.



Outcomes

- Delivered a compliant 415 V, 1600 A switchboard system for plant operations
- Integrated PLC and remote I/O systems to improve automation and operational visibility
- Enhanced safety through optimized protection coordination and arc-flash mitigation



Tools or Resources

FactoryTalk, AutoCAD, ETAP, ABB Pro E



Standards

AS/NZS 3000, AS/NZS 3008, AS/NZS 61439, AS 3007



Deliverables

- IFC Drawing Package (SLDs, schematics, instrumentation diagrams, PLC control drawings, and remote I/O layouts)
- Protection Study (fault level analysis, relay coordination, and arc-flash assessment)
- Earthing System Design (touch and step voltage verification)
- Final Design Report (calculations, compliance, and commissioning documentation)



High Voltage Substation Design 22kV/11KV HV

Substation Design rated at 3.5 MVA



Scope

Design of a 22 kV/11 kV, 7 MVA primary substation including system studies, switchyard layouts, transformer and HV switchgear specification, protection and control systems, and earthing design.



Outcomes

- Delivered a compliant high-voltage substation design supporting reliable operation and a firm capacity of 3.5 MVA.
- Improved network reliability through optimized protection coordination and enhanced safety through compliant earthing, lightning protection, and fault mitigation measures.



Tools or Resources

FactoryTalk, AutoCAD, ETAP



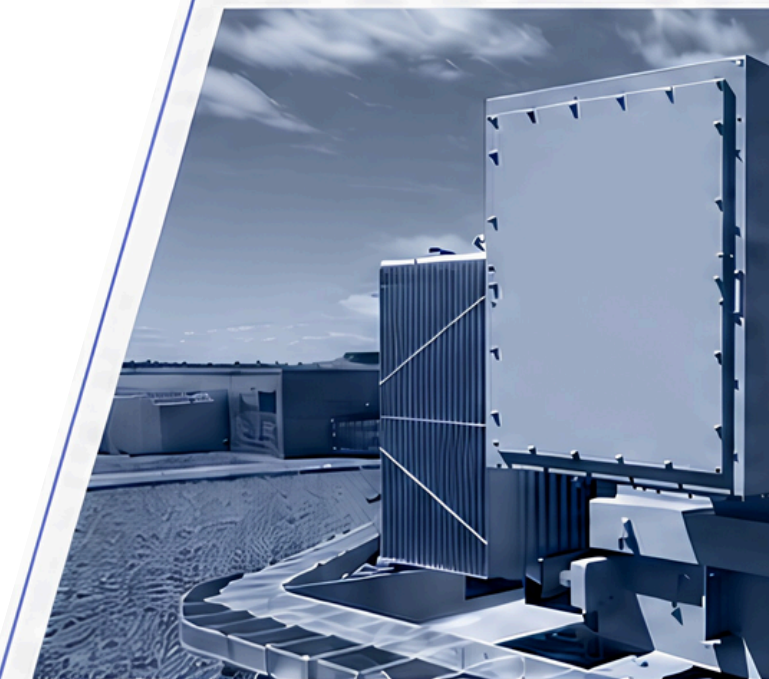
Standards

AS 2067, AS/NZS 3000, AS/NZS 3008, AS/NZS 3017, IEEE 1584



Deliverables

- IFC Drawing Package (SLDs, electrical schematics, switchyard layouts, cable schedules, and earthing drawings)
- Protection Study (relay coordination, grading, and fault level assessment)
- HV Equipment Specifications (transformer, switchgear, and PFC systems)
- Earthing & Lightning Protection Design
- Final Design Report (calculations, compliance, and design documentation)



Pet Food and Rendering Plant Automation



Scope

Design and commissioning of a 415 V, 1200 A switchboard with PLC/HMI integration, MCC installation, and plant automation systems.



Outcomes

- Delivered a fully automated plant control system with integrated MCC and PLC/HMI platforms
- Improved production efficiency through reliable process automation
- Enhanced safety through compliant safety controller and field device integration



Tools or Resources

PLC Programming Tools, HMI Development Software, FactoryTalk, AutoCAD, ETAP



Standards

AS/NZS 3000, AS/NZS 3008, AS/NZS 61439, IEC61131, IEC/EN 60204-1



Deliverables

- IFC Drawing Package (SLDs, control schematics, MCC layouts, I/O schedules, and termination drawings)
- PLC, HMI, and Safety Controller programming, configuration, and systems integration
- Electrical installation documentation, switchroom and MCC commissioning records, and testing procedures
- Final Design Report including calculations, compliance verification, and as-built documentation

Storage Facility - Electrical Control System



Scope

Design and commissioning of a 415 V, 400 A switchboard with HMI-based control, generator integration, silo aeration systems, and automated storage facility operations.



Outcomes

- Delivered an automated storage and aeration control system
- Improved operational efficiency through integrated HMI monitoring and control
- Enhanced reliability with generator automation and remote alarm functionality



Tools or Resources

PLC Programming Tools, HMI Development Software, FactoryTalk, AutoCAD, ETAP



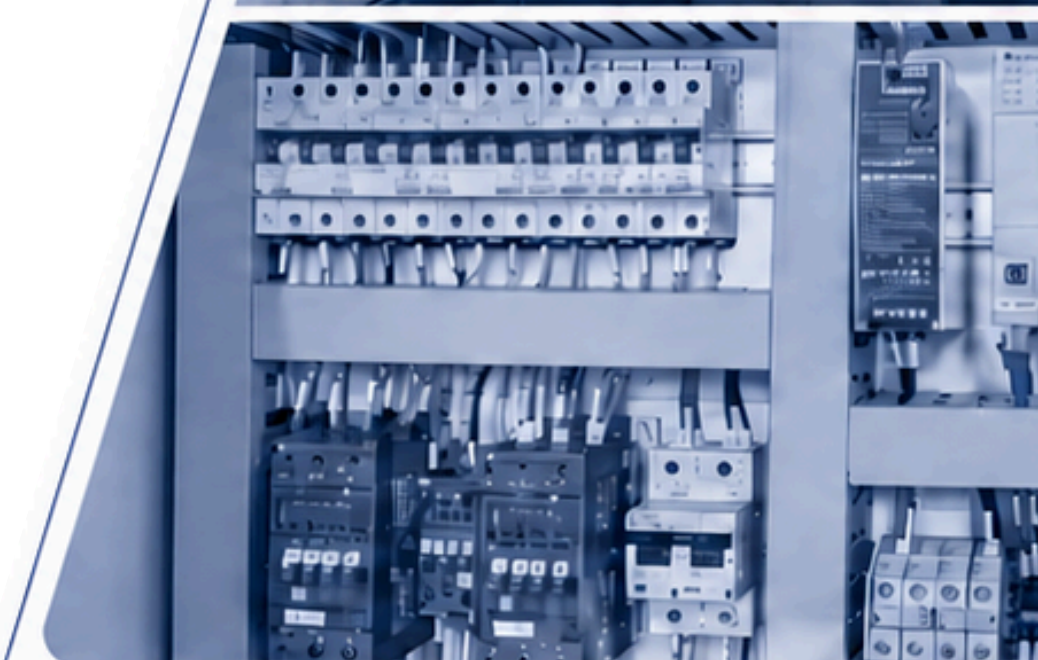
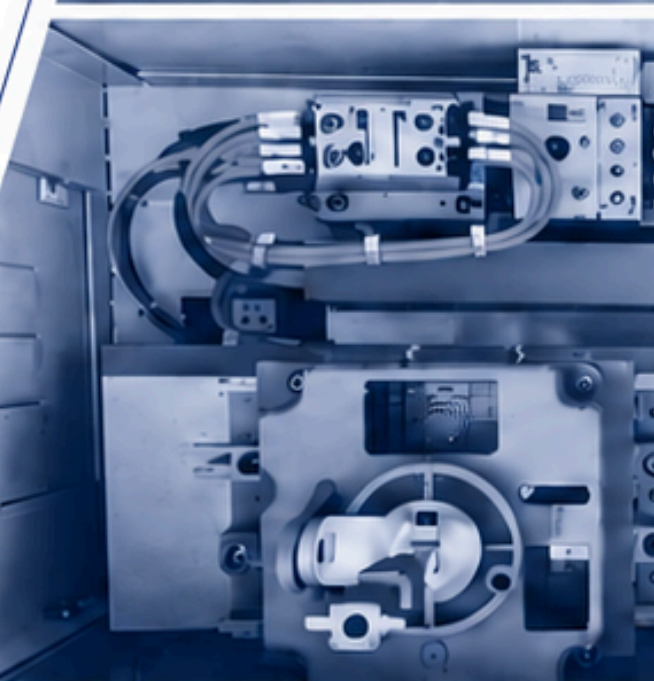
Standards

AS/NZS 3000, AS/NZS 3008, AS/NZS 61439, IEC/EN 60204-1



Deliverables

- IFC Drawing Package (control schematics, panel layouts, wiring diagrams, I/O schedules, and termination drawings)
- HMI, generator, and aeration control system programming, configuration, and integration
- Main control cabinet design, fabrication documentation, and field installation support
- Testing, Commissioning, and Installation Documentation
- Final Design Report and Compliance Records



WHY CHOOSE US



PROVEN EXPERTISE

Experienced consultants delivering reliable, compliant electrical and engineering solutions across diverse industries.



END-TO-END SUPPORT

From concept design through studies, project management, and commissioning - we are with you every step of the way.



CLIENT-FOCUSED

Every project aligned with ISO standards and Australian regulations, tailored to your unique goals and requirements.



SUSTAINABILITY

Building smarter, cleaner, and compliant infrastructure that supports a sustainable future for communities and industries.



NATIONWIDE SERVICE

Online, confidential, and flexible proudly serving clients across Australia with local insight and national reach.



SMART DESIGN

Practical and compliant solutions that work. We reduce delays, optimise budgets, and keep projects on track with smart engineering.

“

**At Ausverse Engineering,
safety is not a checkbox
it is the foundation of our
technical integrity.**

”

Compliance Framework

Strict adherence to federal, national, and state-level engineering regulations, standards, and industry requirements.

Risk Management

Routine structural analysis, safe design protocols, and comprehensive site verification practices.

Zero-Harm Commitment

Focused on protecting employees, contractors, partners, and stakeholders through proactive safety culture.





AUSVERSE ENGINEERING

Partner with us for your next engineering milestone



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