

A large, complex offshore oil rig structure with multiple levels, yellow safety railings, and various pipes and equipment. The rig is set against a clear blue sky.

EXPERIENCE
YOU CAN
TRUST



OUR APPROACH

At Engenuity, we're focused on providing innovative solutions and value for money.

As a multidisciplinary engineering, process improvement and management services consultancy, our key capabilities cover civil, electrical and mechanical engineering services. Across every project, we're dedicated to upholding our core values of attention to detail, personal service, and the application of sound engineering principles.

In doing so, we create an environment of continuous improvement. We're always seeking new and better ways of working, and foster solid, long-lasting relationships built on trust – both with clients and the organisations we partner.

Ultimately, this enables us to deliver a range of benefits to your business, including:

- A reputation of **quality** on all our deliverables
- **Timely** execution of your projects
- Improved management and **performance** of your assets
- Reduced **cost** resulting from our efficient in-house systems and low overheads
- Enhanced **safety** through assessment of your equipment, workplace and systems.

Take a look at our solutions outlined on the following pages, then get in touch to see how we can help your business.



INDUSTRY SOLUTIONS

We work closely with clients across a wide range of industries, including (but are certainly not limited to)

- Mining & Minerals
- Oil & Gas
- Energy & Renewables
- Utilities & Infrastructure
- Research & Development
- Compliance & Auditing
- Environmental

Some examples of customers for our solutions include:

Engineering Design Solutions:

Downer - Mineral Technologies, Ok Tedi Mining Limited, Cristal Mining, Newcrest Mining Limited, Balla Balla Infrastructure, Stanmore Coal, SEQ Water, Queensland Urban Utilities, Australian Paper

Process Improvement Solutions:

Downer - Mineral Technologies, Flinders Mining, SIMEC

Asset Management Solutions:

Village Roadshow Theme Parks, Brisbane Airport Corporation, Ok Tedi Mining Limited, Gundagai Shire Council

Solar, Renewables & Energy Efficiency Solutions:

Harvey Norman, Chinchilla WTP, St Stephens School, St Pauls School, Vulcan Steel, Indooroopilly Golf Club, Mooloolaba Bowls Club, Specialised Laminators, Camtech, GMG Stone, Bulimba Pavilions

Safety, Quality and Auditing Solutions:

Village Roadshow Theme Parks, Brisbane Airport Corporation, Ok Tedi Mining Limited, Qld Nitrates, University of Queensland, Queensland Rail, Airtrain, Theiss, Airbus, Ipswich Hospital

Environmental and Waste Water Solutions:

Hilltops City Council, Shoalhaven City Council, Cootamundra Shire Council, Griffith City Council, Coolamon Shire Council

Innovation and Prototyping Solutions:

Surf Lakes, Axis Energy, Chicago Freight Cars, Downer - Mineral Technologies

Our team has extensive experience providing innovative solutions and highly effective outcomes, while at the same time always offering exceptional value for money. With a genuine focus on attention to detail and personalised service, we aim to not just meet our clients' expectations, but exceed them.

Get in touch today to discuss our experience in your industry and the solutions we can provide.





ENGINEERING DESIGN SOLUTIONS

At our heart, we're specialist electrical engineers with extensive technical knowledge and capabilities. We also provide mechanical, civil and environmental engineering services in providing end to end solutions for our clients

Our low voltage, instrumentation and control system design services will provide you with the best possible solution for distribution, lighting, motor control, process instrumentation and automation. We'll also work with you to determine how your current distribution system operates, then model the system to establish the ideal solution for your ongoing needs.

For high voltage networks, we offer design services for overhead and underground distribution systems, including substations and switchrooms. Plus, we can provide you with design, calculation and modelling services for your next substation project.

By working in collaboration with our clients and partners, we provide complete engineering solutions, including onsite project engineering and full support for all your projects.

Our engineering design solutions include:

- **Concept Feasibility Studies**
- **Process Control, Electrical, Mechanical and Civil Design Modeling and Calculations**
- **Specifications and Drafting**
- **Client Representation**
- **Technical Support**
- **Cost Estimations**

PROCESS IMPROVEMENT SOLUTIONS

We have extensive experience in end-to-end process improvement solutions process improvement and optimization projects – from planning and feasibility right through to execution – and can help you with all aspects and stages of your project.

Our team has instrumentation, control system and mechanical expertise combined with a knowledge of processes in industries such as mining, energy, water processing, manufacturing and materials handling.

We want you to be able to help you get the most out of your process and combine the best in sound technical knowledge, operational experience, innovative thinking and customised software to achieve that end.

Our process improvement solutions include:

- **Process Control and Automation**
- **PLC and DCS Control Solutions**
- **SCADA and HMI Interfaces**
- **Network Communications Systems**
- **Design, Develop, Install, Test and Commission**
- **Technical Support**



PROJECT MANAGEMENT SOLUTIONS

We understand the importance of accurately researching and planning, while ensuring projects are delivered on time and within budget. Across a variety of industry sectors, and for projects large and small, we implement our specialised project management solutions to provide outcomes that we, and our clients, are proud of.

Communication is key to our success. We pride ourselves on having excellent people skills, which allows us to collaborate closely with clients and partners throughout every project. Plus, our commitment to continuous improvement means we never rest on our laurels, and ensures we maintain our reputation for delivering the highest quality services to our clients.

Our project management solutions include:

- **Installation and Construction Supervision**
- **Field Engineering Support**
- **Contractor and Vendor Package Management**
- **Project Scheduling**
- **Commissioning Management**
- **Operational Readiness**

ASSET MANAGEMENT SOLUTIONS

By taking the time to really listen to our clients and understand their goals, we're able to develop the right strategies to deliver the desired outcomes.

Our expertise in asset management projects ensures an effective approach is used to not only maintain existing assets, but to also invest in renewal programs.

Improving reliability and reducing possible risks are our key focuses in this area. To help us achieve this, we'll develop tailored solutions to meet the needs of your business – from expert advice for specific tasks right through to full-service support.

Our asset management solutions include:

- **Asset Reliability and Condition Assessments**
- **Shutdown Planning and Execution Support**
- **Electrical Compliance Testing**
- **Electrical Equipment Servicing**
- **Preventative Maintenance Inspections**
- **Instrumentation Calibration Management**

SOLAR, RENEWABLES AND ENERGY EFFICIENCY SOLUTIONS

With an increasing shift away from traditional energy production methods, there is a growing demand for engineering solutions focused on solar, renewables and energy efficiency.

Already in this area, we have designed and certified solar installations and other renewable projects for a range of commercial and industrial clients. Often, this process begins with an analysis of a client's operation to reduce power usage, improve power quality and ensure the best tariffs are being utilised to reduce energy costs.

We also have experience in managing and executing the certification process with the network provider, and designing, commissioning and testing of solar systems, where required.

Our solar, renewables and energy efficiency solutions include:

- **Energy Audits and Strategic Plans**
- **Solar Design and Integration**
- **Hybrid Energy Systems**
- **Management of Connections with Network Providers**
- **Power Storage Solutions**

SAFETY, QUALITY AND AUDITING SOLUTIONS

There are a number of benefits to performing an annual safety and systems audit for your business. It's a practical and cost-effective process that will determine where improvements can be made. Perhaps most importantly, auditing will ensure your system manuals are effective, comply with legislation, and contribute to achieving your business goals.

With this in mind, we've established efficient auditing processes designed to have minimum impact on your organisation's time and resources, while providing you with the necessary feedback and actions to ensure your business is not at risk.

In the event of an incident, we can conduct an ICAM (Incident Cause Analysis Method) to determine the cause and the actions required to prevent a similar incident from reoccurring.

Our safety, quality and auditing solutions include:

- **Design and Safety (HAZOP) Assessments**
- **Incident Cause Analysis Method (ICAM)**
- **Quality, WHS&R and Environmental Management Systems**
- **Accredited Electrical Safety, Hazardous Areas and High Voltage Auditing**
- **Engineering Certifications (CPENG, RPEQ & IPENG)**
- **Energy Management Assessments**



ENVIRONMENTAL AND WASTE MANAGEMENT SOLUTIONS

We have a long history in environmental and waste management services, which allows us to provide clients with clarity and the confidence of knowing their project will be handled with the utmost care.

We've completed waste minimisation and management plans for many developments ranging from small residential projects to multi-storey aged care facilities and industrial projects. We've also been involved in local council and regional waste strategies and financial modelling, frequently working closely with the not-for-profit (social enterprise) sector in the development of these plans.

Our experienced team can also assist in ensuring compliance with environmental licenses, standards and regulations. We've been involved in developing mine-site environmental management systems, including risk registers, management plans and procedures, and investigating and responding to community concerns.

Our environmental and waste management solutions include:

- **Compliance and Risk Assessments**
- **Environmental and Waste Management Strategies**
- **Environment Systems Modelling**
- **Landfill and Resource Recovery Designs**
- **Water and Waste Treatment Solutions**
- **Data Analysis and Reporting**

INNOVATION AND PROTOTYPING SOLUTIONS

We're passionate about developing new ideas, technologies and making them a reality. Whatever industry you're in, if you have a unique problem that needs solving, or have a concept that would improve your business or the sector as a whole, we can work with you from start to finish.

Our team has worked with start-ups to large corporations across tourism, mining and beyond to bring innovative product ideas to life. From the initial planning and design phases right through to investor relations, construction and commissioning of prototypes, we'll be your partner in the process.

Our innovation and prototyping solutions include:

- **Research and Development**
- **Innovation in Solutions**
- **Designing, Constructing and Commissioning Prototypes**
- **Electrical, Mechanical and Control Systems**
- **Technical Assessments and Equipment Selections**
- **Investor Information Packages**



CONTACT DETAILS

If you have any questions about the services and solutions we offer and want to find out how we can assist your business, please get in touch.

Head Office Address

8/249 Scottsdale Drive
ROBINA, QLD, 4226

Postal Address

PO Box 450
MUDGERRABA, QLD, 4213

Phone: +61 7 5559 2892

Email: engenuity@engenuitysolutions.com

Web: engenuitysolutions.com

