

www.gcoaustralia.com.au

Capability Statement

Industrial and Infrastructure Specialists

Your experienced project partner



A Sterling & Wilson Group Company



History

We have gained an enviable reputation as a leading electrical contractor for infrastructure and industrial projects throughout Australia

GCo Australia started operations in 2000 as a partnership trading as Geraldton Electrical Co. Prior to the partnership, the foundation contracting business was Petrochem Electrical which had been in operation for 20 years.

In 2007 the business incorporated, and in 2012 business rebranded as GCo Electrical to reflect its growth as a state-wide electrical contractor.

We have continued to grow to deliver further services to our nation-wide clients, including project definition, servicing & maintenance works and our introduction to hybrid energy.

In 2018 GCo became a part of the Sterling & Wilson Group, providing support from a global electrical construction business as a majority shareholder.



About us

GCo Australia is committed to partnering with our clients, adding value to their businesses by delivering systems and services to the highest quality, on time and on budget.

We specialise in industrial, infrastructure, hybrid energy projects, service and breakdowns, labour hire and shutdowns, instrumentation, power generation, subdivisions, and underground and petrochemical installations and service.

The depth of our professional and technical expertise provides clients confidence in achieving outstanding project delivery.

Our organisational structure supports large scale infrastructure and industrial projects.

We currently employ some 60 personnel, including five apprentices, throughout Australia.

Our personnel operate within modern, purpose-built facilities in Geraldton, comprising 800m² of covered area, laydown area and warehousing.

Our vision is to be the contractor of choice in large scale industrial and infrastructure projects – delivering quality outcomes, safely and reliably.

Our safety culture

The foundation of GCo Australia's safety culture are our golden rules, adopted after an extensive consultation process with our workforce.

Our Golden Rules



We are always accountable for the safety of ourselves, our workmates and the public



We present fit for work every single day



We never begin work or allow others to begin work without being trained and authorised



We always follow LOTO procedures and never bypass an isolation



We always follow our JSEAs and stop when the job changes to assess



If in doubt, ask.

Our HSE Performance

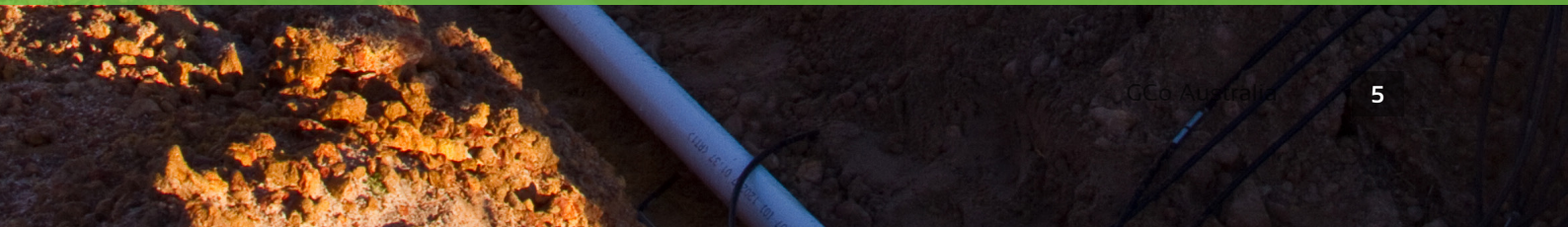
Our safety culture is reflected in our motto:

"Moments of choice...for my family, for my mates, for me."

We measure the HSE performance of our projects and subcontractors, seeking to continuously improve our performance through the implementation of safeworking methods, proven management plans and procedures, and adopting industry best practices.



**MOMENTS OF CHOICE...
FOR MY FAMILY,
FOR MY MATES, FOR ME**



Our values and systems

GCo Australia's values and systems underpin the way we conduct our business activities and reflect our commitment to industry best practice.

Core Values

Our personnel adopt the following core values in all their work:

- » **Loyalty:** Faithfulness to commit
- » **Commitment:** Making a pledge or a promise
- » **Reliability:** The ability to be relied or depended on.

Health, Safety and Environment

GCo Australia is committed to the health and wellbeing of our employees, subcontractors and the community.

We implement comprehensive health, safety and environmental management procedures which prevent injury or incident to people and the environment.

Our health and safety system is third party certified to AS4810, with our environmental management system certified to ISO 14001.

Quality Management

We implement best practice quality procedures to ensure a high standard of work. We also adopt client technical standards and specifications to provide integrated solutions on complex projects.

Our quality management system is third party certified to ISO 9001, regularly reviewed and audited as a part of our commitment to continuous improvement.

Aboriginal Employment

Increasing employment and training opportunities for Aboriginal people has become a significant goal. Our aim is to employ 5% of Aboriginal personnel in the total workforce, within an understanding and supportive work environment.



What we do



Project definition

We support the development of projects by providing technical knowledge and services that address any challenges in a pragmatic and efficient way. By working collaboratively with our clients from the outset, we develop design and execution strategies focused on value, timely delivery, and reduced operational costs.



Project delivery

We deliver electrical, instrumentation and control projects throughout Australia working collaboratively with clients to best suit individual project needs. GCo Australia's experience in design, engineering, construction, installation and commissioning brings certainty of on schedule, on-budget completion, critical to industrial and infrastructure assets.



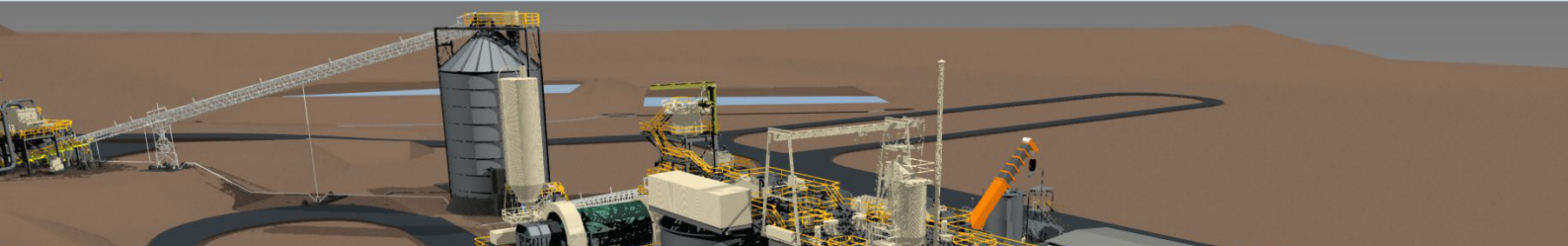
Asset support

GCo Australia's professional team works with clients to improve asset performance and achieve asset through-life value. We review, optimise and develop operating strategies, sustaining capital, and ongoing maintenance programmes to assure and improve plant performance, availability and reliability, while achieving strict safety and regulatory requirements..



Services & maintenance

Our specialist teams provide programmed maintenance and servicing, shutdown execution, emergency response, and plant breakdown services. We understand that reliability is essential in operating business-critical assets. Minimal downtime is assured by working actively with clients to develop and integrate maintenance programmes, and shutdown planning and execution strategies.



Your innovator in **Project Definition**

From concept to project execution

Drawing on our experience

and applying specialist technical knowledge to develop robust solutions is one of GCo Australia's strengths.

For over 20 years, we have supported clients in developing their projects by providing advice and services in electrical, instrumentation and control disciplines throughout Australia.

Our team brings together experience from diverse industries, giving a unique perspective to the identification of project risks, and the ability to resolve issues in a pragmatic and efficient way.

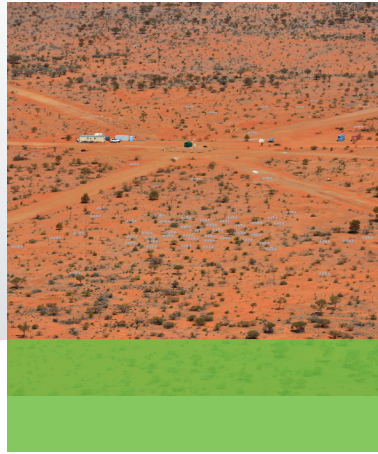
By working with our clients from the outset, we develop design and delivery strategies which consider site location, existing infrastructure, choice of equipment, and whole-of-life costs.

Our project definition services include:

- » Concept design review and analysis
- » Risk and value engineering input
- » Detailed EIC system design
- » Integrated planning and scheduling
- » Procurement and equipment selection
- » EIC package scoping
- » Budget estimates
- » Project execution strategies

Enhancing project outcomes

Early involvement in project development positively delivers cost benefits and influences its overall success - from execution into the operational phase.



Concept design

Our concept design develops from collaborative value engineering and risk workshops to provide a strong basis for budget estimates and further project planning.

Harnessing technical expertise and industry best practice, we provide specialist input and advice that realises time and cost savings from the outset, with no surprises.

Tailored solutions

Each project is unique. We provide certainty and exceed expectations by formulating strategies that consider our client's needs, site conditions and existing infrastructure.

By mitigating risks and realising opportunities, the final solution is always tailored to achieve best practice in environmental, economic and engineering performance.

Whole of life costs

It is important that clients understand the total cost of their project. We always look to the long-term when planning and defining systems.

From the durability of equipment, to consumables, consumption, and service and maintenance requirements, we assess through-life considerations to ensure we can deliver a reliable and cost efficient asset.



Your partner in **Project Delivery**

From design to commissioning

Delivering critical assets

and working in remote and challenging areas is one of GCo Australia's strengths.

For over 20 years, our team of electrical, instrumentation and control professionals have successfully delivered projects throughout Australia.

With a preference for early project engagement, GCo Australia bring our clients flexible and responsive solutions which realise cost and time benefits, while reducing commercial, technical and interface risks.

We work collaboratively with clients to best suit project needs, including: design and construct; engineering, procurement and construction; or construct only arrangements.

Our project delivery services include:

- » Detailed design
- » Drafting
- » Project management
- » Integrated planning
- » Procurement
- » Construction
- » Installation
- » Commissioning

Some of our projects

We have successfully delivered projects in remote and challenging environments for clients in the resources, industrial and hybrid energy projects.



RayGen Ultra Solar Farm

GCo Australia carried out a full EPC contract for RayGen in Country Victoria. RayGen pioneered PV Ultra which is an innovative next generation combination of high efficiency solar cells and low-cost mirrors.

GCo Australia were responsible with RayGen to engineer procure and construct the 500KW PV Ultra Solar Farm. The works included the installation testing and commissioning of the project. The project itself was partially funded by the Australian Renewable Energy Agency ARENA



Port Shiploader

This project, for Midwest Port Authority, included the design and fabrication of a new on-board MCC room, including a HV transformer, RMU, MCC, VSDs, SCADA and PLC control system.

The ship loader was completely rewired and all electrical and instrumentation components replaced, including the HV cable and hose reelers.

Additional instrumentation and control systems were installed to provide higher efficiency of loading and reliability.

The project was completed in December 2016.



Waitsia Gas Project

The Waitsia Gas project involved the installation of instrumentation and electrical components for two new wellheads, with tie-in to an existing processing facility. Additional electrical works were also undertaken on the production facilities.

Strict HSE controls were implemented due to the significant level of works performed in hazardous and isolated work sites. This ensured the works were delivered safely and incident free.

The project was completed in September 2016.



Waitsia Gas Stage 1 Expansion Project

The Waitsia Stage 1 Expansion Project involved the Electrical and Instrumentation Construction for the expansion of the existing Xyris Production Facility and the new Waitsia-02 Wellhead. The construction works included installation, inspection and testing of Cabling, Equipment and Instruments installed in Hazardous Areas. A significant portion of the works were undertaken in Hazardous Areas at isolated work sites, so stringent HSE controls were implemented to ensure the safe delivery of the project. This project took over 14,000 man hours to complete.



Mungari Gold Project

The Mungari project is a Gold Processing plant previously owned by La Mancha Resources Australia Pty Ltd and located 25km from Kalgoorlie in the Goldfields region of Western Australia. The \$110M, 1.5Mtpa carbon in leach plant consists of 3 stage crushing and ball milling, followed by conventional leaching. GCo Australia was engaged for the Electrical, Control, Communications and Instrumentation works for the project.

The project was completed mid-2014 and is currently operating well above its name plate capacity at 1.7Mtpa.



Cleanaway Recycling Facility

Cleanaway's Material Recovery Facility (MRF) is the most advanced commingled recovery system in the country, with state of the art optical sorting technology capable of separating recyclable materials including plastics, metals, paper and cardboard.

GCo Contracted to Bulk Handling Systems to carry out the Electrical Installation of Cleanaway's (MRF).

GCo designed the cable system for the MRF Plant which included a total of 174 electrical drives including 97 conveyors. The remaining drives comprising of other specialist equipment required for the Recycling Material Separation process.

The electrical installation used over 35,000 metres of cable and 1200 metres of cable ladder throughout the plant.

Remote works



GMA Garnet Plant Up-grade

GMA Garnet initially engaged GCo Australia for design works associated with the upgrade of their processing plant. The design comprised HV and LV circuits and HV submission.

We were subsequently awarded the construction works, including the supply and installation of a new 1,500kVA transformer, supply and installation of a new MCC, plant reticulation, and instrumentation upgrades.

The project was completed in November 2016.



Mumbida Wind Farm

The Mumbida Wind Farm is a 55MW renewable energy facility located 40km southeast of Geraldton in WA.

The works comprised the: supply and installation of the foundation earthing system for all 22 turbines, the 132kV substation, operations building, and meteorological masts; termination and testing of HV cables; and assistance with commissioning.

Mumbida became operational in 2013.



Monty Electrical Install

GCo were awarded the supply & installation of Electrical and Communications Infrastructure for Sandfire Resources' new Monty Mine site.

Works Comprised of Installation of client supplied Transformers, RMU's, installation of both Underground HV & 11kV overhead Powerline, LV Underground Conduit & Pit system, LV cable installation, terminations, & testing, installation of client supplied SMSB's, Distribution Boards, Compressors & Water Treatment Plant.



Hamelin Bay Out-back Off-Grid Solar

GCo were responsible for the design, supply, installation and commissioning of the 18kW Off Grid Solar PV and Battery Storage at Hamelin Bay Resort, Shark Bay.

This system involved 60x 300W Polycrystalline Panels and 41kWh Battery Storage with a 12kVA Genset.



CSIRO Boolardy Power Station

The power station comprises of a 60kW solar array, 82.5kWh battery storage with an automatic generator backup. GCo Electrical was responsible for all on site installation works.

This system involved 240x 250W Polycrystalline Panels and 82.5kWh Battery Storage.



Your leader in **Asset Support**

From compliance to operational strategies



Optimising performance

to maximise plant output, enhance safe working, and meet regulatory requirements is one of GCo Australia's strengths.

For over 20 years, our team of electrical, instrumentation and control professionals have worked with clients to improve asset performance and achieve asset through-life value.

We work with asset owners to review, optimise and develop plant operating strategies and ongoing maintenance programmes. With a focus on best practice and life cycle costs, we deliver improved performance and reliability while meeting strict safety and regulatory requirements.

Our asset support services include:

- » Regulatory compliance and testing
- » Improving operational methodologies and procedures
- » Developing or refining asset operational strategies
- » Sustaining capital programmes

Some of our work

We provide asset support to clients expanding, optimising or integrating plant infrastructure, often in complex brownfields and greenfields environments.



Karara Port & Mine

GCo Australia provides ongoing support services to Karara Mining at their Export Terminal in Geraldton and the Karara mine site.

With dedicated teams onsite we undertake: various capital plant improvements (including the shiploader anti-collision system, new shiploader reeling cable, and various lighting upgrades); mine facility improvements; regular testing and tagging; general maintenance services; backfill of shift coverage; and provision of shutdown labour.



Roy Hill Power Gen

This power station was installed for the Roy Hill Accommodation Village, as part of the greenfields mine development with ongoing operational support.

Working for Eneraque, it involved the supply, installation and commissioning of the earth grid, 11kV underground cable, communication cable and 415VAC cable for the main substation, transformers, HV kiosk, and control and switch room.



Mid West Port BHF

At the Mid West Port Bulk Handling Facility (BHF), GCo Australia had maintained critical port infrastructure and provided 24 hour, 7 day a week coverage to ensure port operations were uninterrupted.

Berths 4 and 5 are critical in exporting mineral resources from the Mid West Region for a range of port users.

The BHF infrastructure maintained includes the shiploaders, conveyor system, dust collectors, and associated specialist instrumentation.



Your expert in **Services & Maintenance**

Ensuring through-life performance

Providing fast, onsite support

for programmed maintenance and servicing, emergency response, and plant breakdowns is one of GCo Australia's strengths.

For over 20 years, our team of electrical, instrumentation and control professionals have ensured our clients' assets remain performing at optimal levels.

From campaign maintenance programmes, to shutdown and turnaround planning and execution, we understand that reliability is essential in operating business-critical infrastructure.

When the unexpected occurs, GCo Australia has specialist on-call maintenance and service teams who can quickly mobilise to rectify breakdowns and any sudden failure.

Our services and maintenance support include:

- » Programmed maintenance
- » Shutdown planning and execution
- » Specialised shutdown teams
- » Integrated campaign planning
- » On-call labour
- » Breakdown and emergency repairs
- » Shift and holiday coverage
- » Commissioning and start-up assistance

Reliable and quality service

GCo Australia combines its specialist teams with collaborative planning to deliver services and maintenance regimes which ensure asset availability and reliability.



Reliability-centred

We understand that asset availability and reliability is critical to maintaining production and achieving milestones.

GCo Australia focuses on scheduling maintenance and servicing in an efficient and effective manner, in accordance with client operational procedures and practices.

When emergencies or breakdowns occur, we target the problem by developing a plan and quickly agreeing the solution to minimise downtime.

Shared planning

GCo Australia understands that shutdown and turnaround programmes are tightly scheduled around other facility activities and often involve interfacing disciplines.

We work with clients to identify servicing and maintenance requirements, schedule realistic and achievable timeframes, and align work activities with other contractors.

To us, it is never acceptable to delay the handover of works.

Specialist teams

Our specialist teams consistently work together, promoting a positive safety culture and delivering on client expectations.

With an experienced permanent and standby workforce, we are able to respond quick to emergencies and breakdowns.

At all times, our aim is provide quality and affordable servicing and maintenance to preserve asset performance.

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