



GDW ENGINEERING

E.P.C.M. DELIVERY SPECIALISTS



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2022 Capability Statement



JAS-ANZ



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Port of Newcastle Dyke Point Coloured Lighting Design and Construct 2021

GDW Engineering offers engineering, procurement, construction, and management services at the highest standards and in accordance with our ISO triple certified management system.

Our goal is to maximize return on investments and sustainable outcomes for our clients through advanced, innovative, cost-effective, turnkey engineering and construction solutions, uniquely customized to our client's needs.



Working Safely from a 135 Foot EWP Design and Construct Project 2021/22



NSW Solar Farm HV Audit 2021



Glenn Innes Wind Farm High Voltage Engineering Audit 2020



Architectural Lighting Design and Construct 2021/22



Micro-Brewery Design and Construct 2022



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Company Overview

GDW Engineering is a electrical engineering, procurement, construction, and management company with distinguished capabilities in commercial and industrial industry sectors.

We are committed to providing an extensive portfolio of professional solutions in one or all four facets of EPCM. Based in Newcastle, GDW offers services across the country to deliver flexible and innovative end-to-end solutions in mining, infrastructure services, government projects, commercial, industrial and renewable energy.

Leveraging our more than two decades of expertise, we manage projects on behalf of our clients effectively and ensure that they are completed on time and to the required quality and cost.

We have extensive technical know-how in the management of small to multi-million dollar projects. Drawing on the invaluable experience of our team and the exceptional understanding of projects, we provide cost effective turnkey solutions in all the four facets of EPCM.

Quality, honesty, efficiency, customer service, value for money, safety and compliance with standards and specifications are our key drivers. We have fostered a great reputation of delivering an unparalleled, full spectrum of services from conception to completion. Our delivery capability, flexible approach and ability to forge long-lasting partnerships with different stakeholders enable us to deliver integrated solutions in engineering, procurement, construction and project controls.



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EPCM

When investing in a project, its always more efficient and cost effective to hire a single company that can provide all the services you need.

At GDW Engineering, we take care of everything, from the planning, procurement and engineering, to construction and management. With us, you will have the peace of mind that every aspect of your project is covered safely, effectively, and in a timely manner. Our EPCM services model delivers comprehensive, technologically sound and cost-effective solutions while minimizing our client's exposure to risk.



Engineering

GDW Engineering offers turnkey solutions in electrical engineering.

With two decades of experience in the engineering sector, we provide tailored, value-adding solutions that are safe, efficient, and reliable. Customers can engage our engineering services on a standalone basis or bundled to suit their needs.

Our engineering services include:

- High Voltage Designs
- Peer Design reviews
- EPC Consultancy Services
- Arc Flash Reports
- Protection and Earthing Studies
- Risk Assessment Facilitation
- Single Line, Schematic, Loop and general arrangement drawings
- In house drafting
- Commissioning Services
- Instrumentation calibrations
- Injection Testing
- High Voltage Maintenance
- Preventative Maintenance
- Concept Designs
- High Voltage Audits
- Owners Team Engineering Support
- Solar and Wind Farm Commissioning



Procurement

As an independent contractor, GDW Engineering handles all partner and vendor coordination processes.

All resources and services are procured in an ethical and cost-effective manner. With years of experience in extensive procurement management on multi million-dollar projects, you can trust us to provide excellent sourcing, expediting, and logistics support for your projects.

Our procurement services include:

- Tender delivery & execution
- Sub-contractor management
- Procurement compliance & technical review
- Tracking & Expediting



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Construction

GDW Engineering has an excellent track record in construction.

We manage all aspects of construction and commissioning activities. Our strong capabilities and extensive experience in construction management mean that we can successfully deliver complex construction projects, even in the most challenging and diverse environments. We possess a deep knowledge of the industry's methodologies, codes, regulations, and best practices.

Our construction services include:

- High Voltage
- Electrical Infrastructure
- Commercial Buildings
- Micro Breweries
- Water Treatment Plants
- Excavations and backfill
- Mining infrastructure
- Industrial construction and maintenance
- Solar and Wind Farms



Project & Construction Management

Strong leadership and project management capabilities are at the heart of our successful and sustainable project delivery.

Whether augmenting your management resources, or providing leadership, coordination, and oversight, GDW Engineering resources have the management experience and expertise to manage all phases of a project, regardless of the scale or complexity.

Our management services include:

- Project scheduling
- Quality Assurance Management
- Budget management and forecasting
- Commissioning management
- Sub-Contractor Management
- IR & HR Management
- Design management and risk assessments
- Stakeholder management
- Project controls
- OHSE management and plans
- EPC Contract Compliance Audits



Renewables

GDW has worked with clients on tier 1 EPC projects managing the entire life cycle of the project. From project management to owner's team engineering and right down to site supervision we offer value for money and high-quality engagement to ensure projects are delivered on time and at the required standard.

We handle all aspects, from project design and procurement to construction, operation, and maintenance. We are committed to ensuring our clients get the highest possible return on investments.

Our services include:

- Owners Team Project Support
- Design and Installation of commercial PV systems
- Energy audits
- High Voltage Pre-Energization Audits
- Solar and Wind Farm construction



GDW has successfully completed a number of EPCM projects. We aim to provide long-term value for our clients in all our projects. Here are some of our recent projects:

> Moolarben High Voltage Reticulation – Water Treatment Plant

Value: \$4 million

Start date: Nov 2018

End date: March 2020

Services: Project management, design management, management plans, HAZAN, HAZOP, CHAZOP, Estimating, Stakeholder management, High Voltage design, Protection, Earthing and Arc Flash Study, HV cable installation and termination, HV commissioning

> NYNGAN Pumping Station Design and Construct

Value: \$2 million

Start date: Jan 2020

End date: Nov 2020

Service: Design and construction of a water pumping station including Essential Energy applications and management, New MCC/LCS/VFD/Filters design and installation, Engineering studies, Risk assessment facilitation and commissioning.

> Port of Newcastle – Lighting Upgrade Project Stage 1 and 2

Value: \$2 million

Start date: June 2021

End date: Dec 2022

Services: Project management, design, removal of existing lights and replacement with new fittings. GDW created an asset register and quality management system for PON to use into the future in terms of managing the assets lifecycle.

> MODUS MICRO BREWERY

Value: \$1 million

Start date: Feb 2021

End date: Nov 2022

Service: Complete design and construct of both the venue and brewery space at a new micro brewery in Newcastle NSW

GDW ENGINEERING

2/4 Metro
Court
Gateshead
NSW 2290

Managing Director
Gavin Wood



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ABN 39 623 486 117
ACN 623 486 117



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