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About ADG

We believe project success is created through continuous collaboration with our clients, partners and colleagues as we go about the delivery of an outstanding outcome.

ADG Engineers (Aust) Pty Ltd was founded in 2002. Today the firm has grown to a staff of over 180 in 8 offices throughout Australia and remains led by our founding partners.

Our commitment to creative yet practical engineering is what sets us apart as technical experts. However, it’s the personal involvement of our leaders, combined with the importance we place on the relationships we build both in the office and on the job site that sets us apart in delivery.

We begin every project by listening to our clients to ensure we understand their needs and ensure the most appropriate solutions are carefully evaluated from a cost, efficiency and technical viewpoint.

A multi-disciplinary service offering affords us a unique perspective and approach to design. We are able to confer with experts across Structural, Construction Services, Civil and Hydraulic Services departments under the same roof in order to deliver a complete solution to a project.

This integrated insight allows us, as a team, to foresee risk, overcome potential issues and create seamless efficiencies in design.

Our leadership team are hands on, and we have built a reputation for providing strong design and analytical skills. From Marco, through all levels of the company, our culture is dynamic, energetic and creative enough to find opportunities for our clients and support their success at every step.

Our culture of hands-on design and accountability sees us operate strongly as part of the greater project team, working alongside architects, building contractors, project managers and subcontractors. We believe in involving ourselves in a project’s broader objectives in order to work as an integrated, powerful team which, altogether, drives project delivery.

Our job doesn’t end when our designs are completed - we are with our clients at every step of the way and see every project through to final completion.
8 Locations

180 Staff

800+ Projects Each Year

5 Disciplines

Hundreds of satisfied clients
Our Services & Projects
The construction environment is continually changing. We tailor each of our designs to suit the conditions.

Since our beginning in 2002, we have focused on delivering structural solutions that are innovative, cost effective and tailored to meet the changing market, site conditions, risk and geographical constraints.

We differentiate our offering through combining the latest technology, construction techniques and innovative ideas to provide unique solutions to complex projects.

We have a track record of working closely with all levels of the project team including consultants, contractors and sub-contractors to develop the most suitable and effective outcome for all the stakeholders.

Program, materials qualities, cost, logistics and labour all are taken into consideration through the design process.

Some of our key customers include specialist sub-contractors who partner with ADG to deliver packages of work.

We provide a full range of structural engineering services including:

• Deep basement construction
• Steel and composite construction
• Large span structures
• Deep foundations
• Difficult ground conditions
• Construction in high water tables
• Precast hybrid building construction
• Complicated transfer structures
• Stages or progressive strength analysis
• Complex temporary works analysis
  - Temporary stability design
  - Heavy lift
• Dynamic and lateral analysis.
H Hotel and H20 Apartments
Client: Halikos Developments
Location: Darwin, NT
Value: $60 million

Subi Central North
Client: Pindan & Tensioned Concrete
Location: Subi Centro North, WA
Value: $25 million

Elegance Apartments
Client: UMB Properties and KPG Projects
Location: Mermaid Beach, QLD
Value: $186 million

Reflection Towers
Client: Niecon Developments
Location: Coolangatta, QLD
Value: $90 million

East Shores Maritime Precinct
Client: Hutchinson Builders
Location: Gladstone, QLD
Value: $30 million

Gateway Shopping Centre
Client: Hutchinson Builders
Location: Palmerston, NT
Value: $300 million

Arena Towers
Client: Hutchinson Builders
Location: West End, QLD
Value: $52 million

YOUI Insurance Headquarters
Client: Hutchinson Builders
Location: Sippy Downs, QLD
Value: $45 million
Our extensive capabilities and experience spans across a broad range of sectors within the construction industry, ensuring the latest construction methods, materials and procedures are at the forefront of every project we undertake. Through engaging with our clients, we assess the most suitable construction methodology for their requirements and detail the engineering works required for implementation.

We provide a full range of temporary works and construction engineering services across multiple sectors, focusing on the development of safe, considered and innovative solutions to the most challenging problems encountered in the construction of projects. Our team pride themselves on working seamlessly with all project stakeholders, ensuring no solution is developed in isolation and without consideration of the potential implications on other areas of the project.

Our team also understands that providing a complete engineering service is not limited to the production of appropriate engineering design solutions. Continued collaboration and communication throughout the development and implementation of our engineering solutions ensures that our clients are supported until the project has been completed.

We invest and innovate with technology and software to provide real time information, detailed visualisation and time and resource integration.

A broad ranging exposure to a variety of projects means we are well placed to provide engineering services to a diverse variety of clients within the construction industry, having worked in the following areas:
- High-Rise / Mixed-Use Residential Buildings
- Commercial Structures
- Exhibition Centres and Stadiums
- Infrastructure (Roads, Rail, Bridges)
- Energy & Resources
- Defence
- Maritime Structures
- Industrial and Distribution Centres & Warehouses.

Construction Services
Casino Towers
Client: Various
Location: South Brisbane, QLD
Value: $200 million

Ichthys LNG
Client: JKC/Leighton Contractors
Location: Darwin, NT
Value: $900 million

Formwork Installations
Client: Various
Location: Australia
Value: Various

Dilapidation Reporting
Client: Various
Location: Australia
Value: Various

Structural Capacity Assessment
Client: Various
Location: Australia
Value: Various

Hoist Installations
Client: Various
Location: Australia
Value: Various

Concrete Placing Boom Isolations
Client: Various
Location: Australia
Value: Various

Tower Crane Installations
Client: Various
Location: Australia
Value: Various
A complete project approach draws on an impressive cross-section of expertise to deliver effective and creative civil design solutions.

The civil engineering landscape has changed drastically in recent years, with innovations in design strategies, along with legislative and social focus on sustainable developments.

Our integrated environmental and civil engineering, planning and development approach results in a coordinated design with minimal interruptions during construction - saving our clients risk, time and money.

Our team provides cost effective, environmentally sensitive, practical solutions by identifying the key design constraints and converting them into opportunities, such as using grass swales for drainage, rather than pit and pipe where transport, or availability of product is an issue.

We are well respected for our outstanding skills in managing complex engineering projects for major mining groups, town planners, engineering and development consultants, government agencies and construction companies.

We provide a full range of civil and infrastructural engineering services including:

• Project scoping and concept design
• Development and subdivision master planning and design
• Development feasibility studies on brownfield and greenfield sites
• Master planning of education, retirement and healthcare facilities
• Detailed design and contract documentation
• Project management and co-ordination of specialist inputs
• Construction management and supervision
• Wastewater assessments
• Environmental monitoring and audit reports
• Environmental impact assessments
• Environmental risk assessment
Comprehensive support and a focus on lasting design solutions with robust process and long-term vision.

We study new technologies outside the design code to ensure we are abreast with the latest design trends internationally. We adopt this mindset in all aspects of our design such as roof drainage, house drainage, and water reticulation.

Our process protects clients from cost overruns while ensuring effective and efficient hydraulic installation. We focus on comprehensive yet simple documentation in order to extract competitive pricing from the industry as well as seek the most efficient long-term solutions for our clients.

Services may include assistance with site selection, due diligence and feasibility studies, concept design, detailed design and development applications, budget estimates, cost plans, tender evaluation, contract administration and construction support. By providing practical solutions on a project to project basis, we ensure the delivery of effective and tailored results.

We have successfully provided hydraulics engineering expertise for high rise, retail, commercial, industrial, residential, theme park, entertainment, health care, community and specialist developments.

We have provided hydraulic systems including:
- Potable water services
- Fuel gas services
- Filtration and purification systems
- Irrigation systems
- Rainwater harvesting
- Stormwater drainage and management
- Wastewater collection and treatment systems.
The Avenue
Client: Subuild Pty Ltd and Dabford Pty Ltd
Location: Darwin, NT
Value: $140 million

Infinity Tower
Client: Isle Plumbing
Location: Brisbane, QLD
Value: $249 million

Harbour Quays Aged Care Facility
Client: Condey Construction Pty Ltd
Location: Biggera Waters, QLD

Allegra Apartments
Client: SS139 Pty Ltd
Location: Southport, QLD

Aviation Rescue and Fire Fighting Facility
Client: St Hilliers Property Group
Location: Hamilton Island, QLD
Value: $9 million

Parkwood Sports Complex
Client: Hutchinson Builders
Location: Parkwood, QLD
Value: $5 million

Deakin University Accommodation
Client: Hutchinson Builders
Location: Melbourne, VIC

Gurner (Stage 1)
Client: Axis Plumbing
Location: Fortitude Valley, QLD
Validating and enhancing design and risk through digital prototyping.

We provide digital modelling of facilities and buildings of all scales and sizes. Our BIM (Building Information Modelling) design process allows clients to understand the way structural, civil, and building services combine with architectural designs to deliver a finished asset. We then integrate this with the contractor scope and budget to offer the most cost-effective construction options.

We have a specialist BIM team skilled in Revit, Navisworks, 3DS Max, and a range of virtual reality and analysis technologies, which enable us to understand the design of every component of the building. Our systems allow us to simulate & report construction and installation scenarios for planning and onsite feedback.

3D modelling also provides an excellent tool for engaging stakeholders at all stages of the project to understand the building in greater detail prior to approvals, and during the pricing and construction process. Our technology means greater accuracy in pricing and development, leading to more certainty and less commercial risk at construction stage.

The ADG difference brings aspects of this technology to all of our projects. We know how BIM works in our business and have developed a detailed process for collaborating with other service providers. We are leaders in our field, and we pride ourselves on leading the technical design for whole design and construction teams.

Our virtual design services include:

- Develop BIM Execution plans
- Interference checking and constructability issues
- Scheduling integration and quantity take-off (4D & Construction Sequence Methodology)
- Site logistics planning and construction management models
- Value to clients and contractors through reduced paperwork and faster QA/OHS issues/defects logging and approvals onsite
- Barcoding tools to enable OHS compliance on site plant tracking and maintenance procedures
- Data capture plan for client in the form of; as built 3D models, 2D drawings and O&M data into a cohesive and searchable system.
Arthouse and Lucid Apartments
Client: Mirvac
Location: South Brisbane, QLD
Value: $100 million

Hercules Street
Client: Mirvac
Location: Brisbane, QLD

Unison
Client: Mirvac
Location: Newstead, QLD
With an extensive and a proven track record working within the development industry for the last ten years.

When you develop or construct property, every day and every dollar counts. At ADG we understand this, so we make it our job to ensure your engineering specifies the most cost-effective materials, and the most efficient construction methods to bring your project in on time and under budget wherever possible.

Having worked with Development and Construction clients since our inception in 2002, we understand the importance of efficient engineering solutions that take into consideration the unique site and its individual constraints, the costs and availability of materials, the site location and logistics, and the changing market forces that our clients are building in.

It is this broad approach that our clients keep coming back, time and time again.

In development, our experienced multi-disciplinary team works with architects, contractors and planners from early in a project, helping to define the site requirements and assess environmental and planning needs.

In construction, we are the trusted partners to many of Australia’s most respected contractors, optimizing the engineered solutions on projects to minimise the time, cost and risk. We design the structural, civil and hydraulic services required to obtain development approvals and document these for construction in collaboration with your consultant and development team and delivery Contractor.
The mining and resources industry continues to grow exponentially in regions throughout Australia and around the world.

In the Mining, Resources and Energy industries, it is not just the mine facilities that matter.

The complex staging of workforce accommodation, warehousing, support facilities and infrastructure is required to deliver from pit to port and involves just as much engineering as the mines and conveyors themselves. This is where our expertise lies.

Our multi-disciplinary team works closely with the civil and structural contractors delivering mine facilities, providing innovative engineering skills, and readily available expertise.

Our team is working hard on the supporting facilities surround major mines and LNG projects in Australia’s fastest growing regions of Gladstone, the Surat Basin, Perth and the Pilbara.

Our engineering underpins the construction of modular accommodation facilities, office and industrial facilities, conveyors and large warehousing facilities needed on mine sites.

With ‘Safety Plus’ as one of our core values, our team put safety first; managing risks on all projects carefully every day, on every site.
When we create efficiencies in design through progressive and innovative approaches, we create enduring, resilient solutions.

Engineering for Government organisations and departments requires a strong understanding of how economic, environmental and social requirements come together to create useable infrastructure and facilities with long lifecycles. Our closely aligned civil/environmental capability leads many Government projects through their complex approvals’ phases, guiding decision makers through the social and environmental concerns that can be pivotal to a project’s success.

We work closely with planners in local and state government and the Environmental agencies that make critical and influential decisions on a project’s progress.

Our multi-disciplinary team brings civil, environmental, structural and hydraulic skills to every project as needed, and makes best use of the resources, materials and budget available.

Our team has an enormous breadth of experience in the delivery of schools, universities, roads, hospitals and utilities. Our depth allows us to handle most engineering requirements in-house, streamlining communications and taking solid accountability for project outcomes.
ADG have an extensive and proven track record working in infrastructure development.

Our team understand that as consultants, our responsibility is to make our clients life as easy as possible.

We will always challenge, interrogate and question the outcome and make recommendations accordingly, while providing alternatives to mainstream thinking while driving value for money and fit for purpose outcomes. Our team understands that design and construction cannot be undertaken independent of each other and that the ability to influence project outcomes is in the planning stage rather than the delivery stage - low cost, high return outcomes.

ADG’s team are outcome and delivery focused and take particular pride in generating collaborative “suggest and test” culture with all invited stakeholders, to resolve all design challenges and deliver optimal fit for purpose, value for money outcomes. We understand that each phase provides the foundation for the next, always concentrating on eliminating sunk works. Our team focus’ on providing solutions with cost benefit ratios that compete exceptionally for available funds, with the intent being, approval for the next phase, and ultimately, construction.

Our years of experience working hand in hand with construction contractors, allows us to manage a projects delivery with risks, concerns, issues or clashes.

Our intention is to interrogate the work undertaken to date and present our clients with the optimal philosophy to be adopted to deliver the projects’ strategic drivers and objectives. We then work collaboratively with our clients to agree a strategy going forward.

From our experience, closing out the issues at the front-end planning stage of any project results in low cost and high return outcomes thereafter.
ADG pride ourselves on being strong community supporters. Within our organisation, our staff support several charity events each year however we have also dedicated our time and resources to a number of projects designed to strengthen and support local communities around Australia.

Our projects, while varied, all have a focus on contributing to the local community and enriching the lives of local residents.

Fortunately, we have had several opportunities to contribute to large scale projects on a completely pro-bono, donation basis. This has allowed us to work with charities, member associations, sporting associations and many more organisations in this capacity.
Kids Under Cover Charity Auction

ADG worked together with Archipelago Architects to design and construct a Cubby House for the Grocon Sponsored Kids Under Cover Charity Auction. This organisation takes an early intervention approach to prevent youth homelessness. Our entry won first prize and generated over $12,000 in raffle tickets.

Bravehearts Headquarters

ADG were honoured to donate our time and design to the expansion of the Bravehearts Headquarters on the Gold Coast. The project was valued at $3.1 million and was completed with the help and donation of 60 subcontractors and suppliers.

Ronald McDonald House

ADG were proud to contribute to the 70+ room house in South Brisbane, providing a home away from home to seriously ill children and their families. ADG contributed by working with Tensioned Concrete to provide the post tensioned floor design on behalf of Watpac Construction.

Diggers Rest, Burpengary

ADG contributes to Diggers Rest, a Queensland based charity working with returned servicemen and women to provide support in the form of a retreat to reconnect, relax and reach out to family, friends and other veterans.
Safety & Qualifications

BUSINESS REGISTRATIONS
ADG Engineers (Aust) Pty Ltd
ACN 131 876 143
Principal Place of Business
ADG Engineers (Aust) Pty Ltd
584 Milton Road, TOOWONG QLD 4006 Australia

INSURANCES
General Public & Products Liability
Insurer: AIG Australia Limited
Policy: 300019503
Cover: Australia wide

Professional Indemnity
Insurer: AIG Australia Limited
Policy: 3000018869
Cover: Australia wide

ACCREDITATIONS
ADG Engineers (Aust) Pty Ltd
ISO 9001:2015
Quality Management Systems Requirements
AS/NZS 4801:2001

ADG are a Silver Company Member of the Concrete Institute of Australia

ADG are a pre-qualified service provider through local buy

ADG are recognised by the Engineers Australia Engineering Excellence Awards

ADG are Department of Transport and Main Roads pre-qualified at Highway Engineering 2, Hydraulic Design 2 and Bridge Design competency levels.

ADG are prequalified and accredited with all relevant NSW Government Authorities including NSW Finance, Transport NSW, Roads and Maritime Services and NSW Health.

New South Wales Government, Transport for NSW: Authorised Engineering Organisation
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