



BG Group
ENGINEERS



Aviation and Associated Sector

www.bgggroup.com.au

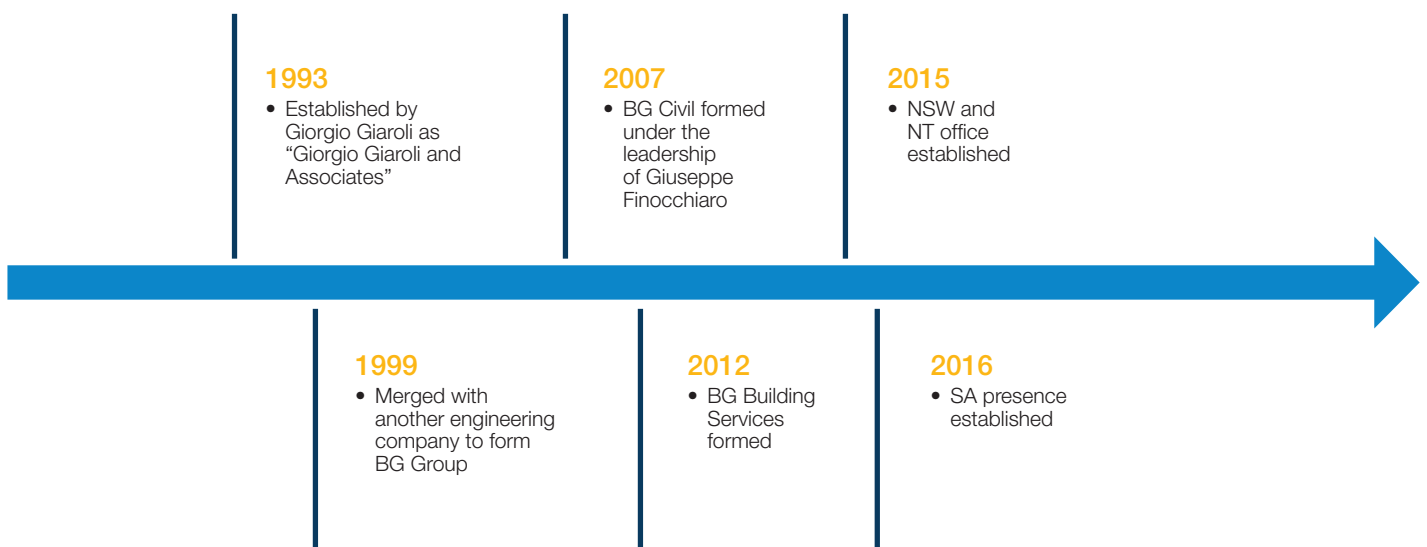
Who We Are

Established in 1993, BG Group is a multidisciplinary design consultancy located across four states and territories with a philosophy focused on client relationships and a high level of expertise. Since our foundation we have built and developed a strong loyal client base built on trust, integrity and personal service. BG Group offers civil, structural, building services and energy engineering along with asset management services utilising leading edge modern technology and software, embracing Building Information Modelling (BIM) whilst ensuring the highest standards under our ISO9001 certification. Our management have both Australian and international experience and work together seamlessly, regularly improving systems and processes and reinvesting in the company. We are more than an enthusiastic and proactive team of specialist engineers. We are outcome focused and consider the bigger picture to deliver tailored solutions that add value both now and over the lifecycle of the asset. Today the founding director is ever present, offering leadership, expert advice and mentoring across the group maintaining the company culture and work ethic.

At BG Group, we understand the Aviation and **associated infrastructure sector** considering risk, time frames, security and flexibility.

Our staff have extensive experience both within Australia and Internationally providing engineering design solutions, some being leading edge. BG Group are well placed to support projects at a national and regional level whilst work with other members of the team to mitigate risk to the airport operators.

History Timeline



Why Choose BG Group

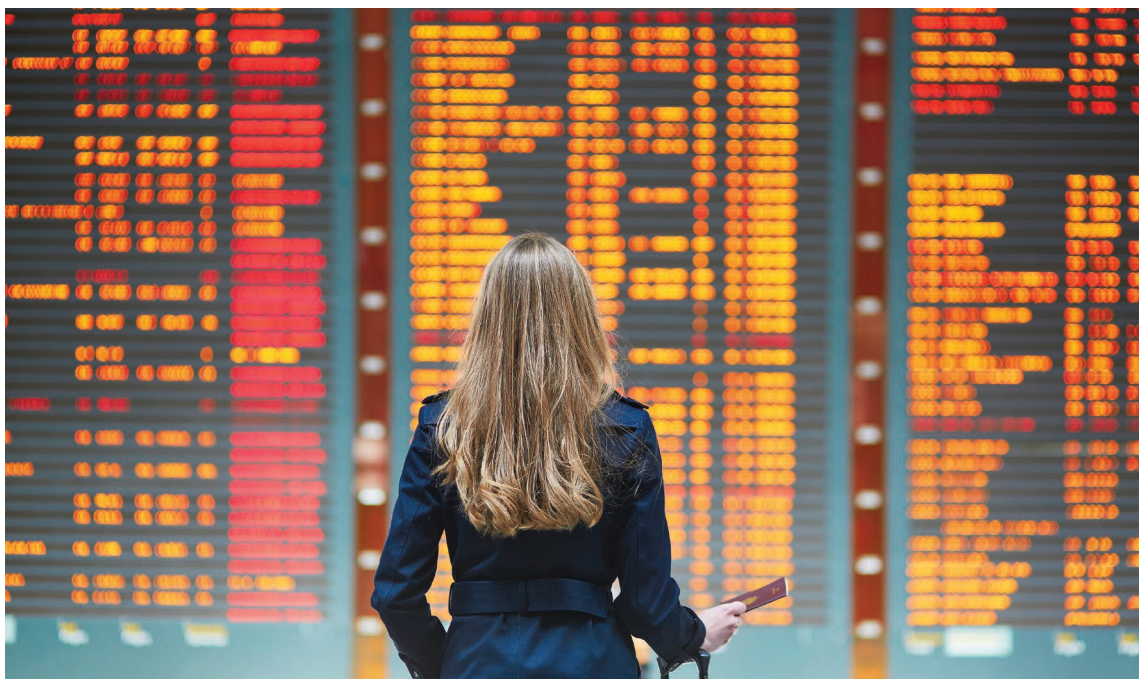
- We understand the aviation sector the special details required in design.
- We are very client focused and believe in relationships and credibility.
- We have extensive experience and understand how buildings function and operate.
- We employ registered professional engineers.
- Our engineers have worked globally and use modern methods, technologies and innovations.
- We are small enough to provide a personal service yet large enough to deliver outcomes.
- We are privately owned, flexible and agile, never fixated.
- We LISTEN. It has to work for all the stakeholders and guests of the facilities.
- We understand we need to work together to make it happen.
- We have worked in this sector for several years.



Experience

We have extensive experience in this sector, not just within Australia but internationally. This includes structural, civil, mechanical and electrical and hydraulics. Some of our staff projects include, but are not limited to;

- Air Services Australia - Control Tower Upgrade - Mechanical and Electrical Design to Towers (National)
- Fiskville Aviation Fire Training Facility Simulator - Mechanical and Electrical Design of New Simulator (VIC)
- Karratha Fire Station Upgrade - Mechanical and Electrical Design to Fire Station Facilities (WA)
- AAE Distribution Centre, Brisbane Airport – Structural Design for Office and Warehouse complex Brisbane Airport (QLD)
- DHL Distribution Centre, Brisbane Airport - – Structural Design for Office and Warehouse complex Brisbane Airport (QLD)
- Qantas Domestic Lounge – Structural Design to building extension, Brisbane Airport (QLD)
- Monarch Airways Mechanical Design and Project Management, Gatwick Airport (UK)
- G20 Operations Centre, Structural design, Brisbane Airport (QLD)
- Heathrow Terminal 5 – Structural design to substructure with two major basement levels and railway station
- Royal Flying Doctors Areyonga and Kings Creek Airstrips, Civil Design (NT)
- Novotel Airport Hotel – Structural Design (QLD)
- Brisbane Airport International Terminal Building Structural design (QLD)
- King Khalid International Airport -Aircraft Visual Docking Guidance System (AVDGS) Electrical works (Saudi Arabia)





Royal Flying Doctors Areyonga and Kings Creek Airstrips, Civil Design (NT)

"We worked on our first aviation project in the 1990's"



Novotel Airport Hotel – Structural Design (QLD)

"We are privately owned and very flexible to our clients needs."



Qantas Domestic Lounge – Structural Design to building extension, Brisbane Airport (QLD)

"We have staff whom have worked in this sector internationally."

Mechanical Engineering

Whether we are designing for city or regional areas, we have experience for multiple mechanical services solutions considering different climates, humidities and regional challenges. Variable refrigerant volume, chilled water and hybrid systems, as well as ventilation and other specialist services are all within our capability, designed using the latest software technology, as well as BIM/REVIT Drafting tools. Our mechanical engineers are also registered by professional bodies across Australia.

Electrical Engineering

Our electrical engineers are adept at finding the right solution for lighting, power reticulation, nurse call systems and specialist services and have experience across the aviation, using the latest software technology available, as well as BIM/REVIT Drafting tools. Our electrical engineers are also registered by professional bodies across Australia.

Hydraulic Engineering

We can provide full hydraulic design using modern solutions whilst keeping things simple. Our engineers have worked across this sector and adept in all forms of fluid reticulation and fire services, considering specific issues.

Civil Infrastructure

Our civil team combine skill and knowledge to bring high level expertise to any aviation related project. Whether it's at a reporting, design or contract administration stage, we can offer stormwater, water management, retention and detention, overland flow, sewage treatment, drainage, erosion and other levels of expertise. Our civil team also work with staged projects, allowing facilities to cost and design their land for future expansion.



Structural Engineering

Our Structural Division has experienced and recognised engineers that manage both cost, functionality and aesthetics. This includes working in high rise and low level construction with concrete, timber, metal, composites, masonry, and intrinsic methods, supported by the latest software technology. In the aviation sector we have worked in all aspects of the construction process, including pre development application advise, design, construction management and operations.

Alternative Energy

Rather than doing the same, BG Group are well placed to consider alternative energy solutions within the aviation sector, such as solar technology, geothermal technology, water reclamation and bio digesters. we also work with financiers to offer power purchase agreements whereby capital can be offset.



CONTACT INFORMATION

Northern Territory

Level 2, Paspalis Centrepont
48-50 Smith Street Mall
Darwin, NT 0800
PO BOX 1968, Darwin NT 0801
Tel: 08 8943 0637
Email: darwin@bggroup.com.au



Queensland (Head Office)

Level 1, 50 Leichhardt Street
Spring Hill, QLD 4000
PO BOX 565, Spring Hill QLD 4000
Tel: 07 3839 3366
Email: brisbane@bggroup.com.au

New South Wales

42 Robert Street
Wickham, NSW 2293
PO BOX 29, Wickham NSW 2293
Tel: 02 4969 1402
Email: newcastle@bggroup.com.au

South Australia

42a Seaforth Avenue
Somerton Park, SA 5044
PO BOX 1182, Glenelg, SA 5045
Tel: 08 8298 7770
Email: adelaide@bggroup.com.au



BG Group
ENGINEERS

www.bggroup.com.au