Data Centres

Capability Statement

OPPORTUNITIES THROUGH EXCELLENCE

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BG&E

Data is the new gold – it's the most important commodity in today's digital era.

Across the globe, businesses and governments are grappling with the fast growing volumes of data and how best to protect, access, store and manage it?

This question coupled with the rising risk of cyber security attacks, robust data privacy regulations, mass transition of remote workforces, and increased usage of the Internet of Things (IoT), artificial intelligence (AI) and augmented reality (AR) – is driving the demand for data centres and mission critical facilities.

In 2022, research showed there are approximately seven million data centres worldwide and the pipeline of new large-scale data centres is significant.

Forecasts indicate investments in the global data centre sector is growing expotentially – including $82 billion in the United States, $62 billion in Asia-Pacific, $34 billion in Europe and more than four billion in the Middle East.

While many think data centres are developed for leading technology giants to provide cloud-based services, there is a growing appetite by governments and businesses to maintain their own centres, or to take a hybrid approach based on their data protection requirements. Whatever the type of facility, they are home to the most critical and proprietary assets, and their importance to daily operations underpins why security and reliability, of the centres, is a priority.

Our clients seek technical professionals that understand their business, industry and their customers – and can design data centres and mission critical facilities that are secure, operationally resilient (providing continuity 24/7, including during crisis), energy efficiency and scalable.

At BG&E, we have more than 50 years of experience in developing solutions for the built environment. Our teams have helped clients to design and deliver data centres in Australia, Asia-Pacific, Europe, the United Kingdom (UK) and the United Arab Emirates.

BG&E's data centre solutions provide several tangible benefits to our clients and their end users.

- Achieves Sustainability Benchmarks
- Improves Data & Cyber Security
- Reduces Embodied Carbon
- Improves Network Efficiency
- Improves Workspace

Data Centre for Leading Software Company

Location: Vienna, Austria
Client: Undisclosed

Situated in the Austrian capital, Vienna, the 9,750-square metre, 4.8-megawatt data centre was designed for a leading software provider.

The rising risk of cyber security attacks, robust data privacy regulations, mass transition of remote workforces, and increased usage of the IOT, AI and AR – is driving the demand for data centres and mission critical facilities.

The collective team of BG&E and other consultants created a data centre that is protected from natural hazards and malicious attacks, optimises energy usage and is adaptable for growth. It was delivered ahead of schedule and in accordance with local development regulations.

Our highly skilled team provided structural and civil design services, structural and civil site support, and temporary works design for the technologically-advanced centre.

Data Centre for Technology Giant

Location: Madrid, Spain
Client: Undisclosed

Data is the new gold – it's the most important commodity in today's digital era. Across the globe, architects and engineers are collaborating to create data centres to protect and store the fast growing volumes of data for industry and governments.

Working with a dynamic team of technical specialists, BG&E designed a state-of-the-art rapid deployment data centre, for one of the world's largest technology giants.

The 7,400-square metre, 4.8-megawatt centre is located in Madrid and includes the hallmarks of outstanding security, uncompromising reliability and energy efficiency.

BG&E provided structural and civil design services, structural and civil site support, and temporary works design for the project.

Facility for Leading Data Centre/ Cloud Computing Company

Location: Dubai, United Arab Emirates
Client: Undisclosed

A leading data centre and cloud computing provider with 220 data centres across five continents, engaged a technical team, which included BG&E, to design and deliver a new data centre in the Middle East.

The 7.2-megawatt facility is located in the thriving metropolis of Dubai, on a 12,460-square metre site and has a data hall of approximately 4,400 square metres.

Our team provided structural and civil design services, Architect of Record, structural and civil site support, and temporary works design for the new centre.

Our clients seek technical professionals that understand their business, industry and their customers – and can design data centres and mission critical facilities that are secure, operationally resilient (providing continuity 24/7, including during crisis), energy efficiency and scalability.

Protecting Data is Key for Leading Technology Provider

Location: Berlin, Germany
Client: Undisclosed

Situated in Berlin in Germany, the 16-megawatt data centre was designed for a leading technology company.

Achieving security and reliability in our rapidly evolving digital world is becoming increasingly difficult. As the owners and operators of data centres will attest, the challenges have never been more demanding to guard against cyber attacks and ensure uninterruptible power supply.

There are various drivers which are spurring on increased levels of new data centres being designed and delivered including governments and businesses requiring larger facilities to store, back-up and recover data, managing the increasing volume of e-commerce transactions and powering online gaming communities, to name a few.

The team from London and other consultants created a data centre that is protected from natural hazards and cyber attacks, optimises energy usage and is scalable for growth. It was delivered in accordance with local development regulations.

Our highly skilled team provided structural and civil design services, value engineering and temporary works design for the mega-sized centre.

We have also delivered a mega-scale 30-megawatt facility comprising of five buildings and assisted with repurposing a commercial premises into a data centre, in the UK, and assisted with a 16-megawatt facility in Switzerland and a 29-megawatt data centre in France, among others.

What Makes Us an Exceptional and Trusted Engineering Partner?

We are united by a common purpose – we believe that truly great engineering takes curiosity, bravery and trust, and is the key to creating extraordinary built environments.

Our teams in Australia, New Zealand, Singapore, the UK and Middle East, design and deliver engineering solutions for clients in the Property, Transport, Ports and Marine, Water, Defence, Energy and Resources sectors.

We collaborate with leading contractors, developers, architects, planners, financiers and government agencies, to create projects for today and future generations.

From structural engineering to facade design, civil engineering to materials testing and beyond to transport planning, hydrology, flood modelling, digital engineering, asset management and geotechnical – BG&E's expertise is characterised by technical brilliance, innovation and buildability.

Our legacy and our future are underpinned by an unwavering commitment to provide a premium client experience and improve humanity.

100%

Employee-Owned Engineering Consultancy

90%

Of Our Workforce are Technical Experts

Increased Support for Communities After Extreme Weather Events, By Delivering More Emergency Disaster Reconstruction Projects

>50 yrs

Half a Century of Experience

$32.1bn

Estimated Value of Projects that BG&E Contributed to in The Infrastructure Sector, in 2022

Pursued Innovation in Materials, Design, Procurement and Digital Twin Technologies

15 offices

Local Footprint and Global Reach

$13.7bn

Estimated Value of Projects that BG&E Contributed to in The Property Sector, in 2022

Continued Helping Clients to Achieve their Net Zero Ambitions, Reducing Embodied, Operational and/or Whole Life-Cycle Carbon in Projects

>850

Talented Employees

$3.1bn

Estimated Value of Projects that BG&E Contributed to in The Renewables Sector, in 2022

Began Charting our Roadmap to Reduce our Whole Life-Cycle Carbon

Our purpose is our reason for being. It enables us to work with others and collectively use our expertise to benefit society, as well as to consider the vexing issues that are shaping our planet, such as climate change, technological advances, social inequality and most recently, Covid.

Our Values and 'The BG&E Way'

Our founders – Peter Bruechle, Norm Gilchrist and Ernie Evans – proudly established a values-based business. BG&E's values are: care and integrity, the pursuit of excellence, and one team.

Our values inform our behaviours and the way we:

- help clients around the world;
- empower our people to be empathic, high-performing and creative; and
- contribute to communities.

Living our values every day ensures that we demonstrate care and integrity, strive to pursue excellence and serve as one team, that is 'The BG&E Way'.

Safety & Wellbeing

We enjoy healthy workplaces, deploy practices that reduce risk, comply with Occupational Health and Safety regulations, impose zero harm to the communities that we operate in, and support each other so we go home safely every day.

Diversity & Inclusion

At BG&E, we are a community, a diverse melting pot of people – striving to achieve our best and to live our best lives.

We encourage you to bring your complete self to work, as we recognise the importance of embracing difference.

In our community, difference translates to elevating different voices, integrating contrasting opinions and welcoming conversations about change. It also means demonstrating behaviours that align with our values and culture.

For clients, an inclusive and engaged workforce is a productive workforce, a global team of equals innovating, creating and having fun while we work.

Social Impact

Our people make positive impacts on societies by contributing to grassroot programmes that help local communities to be sustainable, resilient and socially equitable.

Our philanthropic, ethically oriented initiatives are creating a future for all to thrive.

Reconciliation

BG&E's Reconciliation Action Plan was launched in 2019 and since then, we have been providing opportunities to improve the lives of Indigenous Australians.

Our focus is directed towards education and employment pathways, as well as to procurement practices, as these sustain economic development in First Nation communities.

BG&E recognises the journey of reconciliation is not limited to a handful of days or weeks during the year, but rather to an ongoing appreciation of Australia's Indigenous heritage and a commitment to incremental change every day.

BG&E proudly acknowledges Aboriginal and Torres Strait Islander peoples as the Traditional Owners of the land on which we operate and the sites where our projects are planned, designed, and delivered. We honour their ownership of 65,000 years and their continuing connection to culture, community, land, sea, and sky, and we pay our respect to them and their Elders, past and present.

Modern Slavery

BG&E maintains the highest standards of ethics and integrity across our business practices and with our stakeholders. We have a zero-tolerance approach to any form of modern slavery, that is, slavery, servitude, forced or compulsory labour, or human trafficking, and we are committed to enforcing systems to ensure human rights violations do not occur within BG&E or within our supply chain. We expect our sub-consultants, sub-contractors, vendors, suppliers and their employees, business partners and others working on their behalf to conduct business in accordance with the respective geographic legislation, as well as in accordance with BG&E's Code of Conduct.

Expertise

Technical excellence is the bedrock of our business, it drives our people and underpins the outcomes we provide for clients and communities.

Our talented and ambitious civil, structural and geotechnical engineers, hydrologists, digital engineering experts, including Building Information Modelling (BIM) specialists, and drafters, combine state-of-the-art design with problem solving, digitisation and value engineering, to deliver solutions that include a firm focus on constructability.

- Asset Management
- Bridge Design
- Civil Engineering
- Digital Engineering
- Emergency Disaster Reconstruction
- Facades
- Flood Management & Hydrology
- Forensic Engineering & Expert Witness
- Geographic Information Systems (GIS)
- Land Development
- Materials & Durability
- Structural Engineering
- Traffic Engineering
- Transport Planning

BG&E provides services across the entire project life-cycle, for greenfield and brownfield developments.

What Does Sustainability in Construction Mean to You?

To us, it means working with clients to help them harmoniously transition and become leaders in a low-carbon economy.

Sustainability

We are in a privileged position to apply the technical expertise of our professionals to help restore the balance in the natural and built environments.

BG&E's Environmental, Social & Governance Committee is building on the outcomes that have already been achieved by working with employees, clients, communities and suppliers to harmoniously transition the business to be a leader in the low-carbon economy.

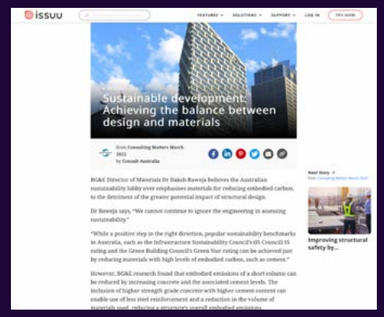
Part of this transition includes improving sustainability in construction by drawing on our collective ingenuity to help clients deliver high-performing, resilient projects.

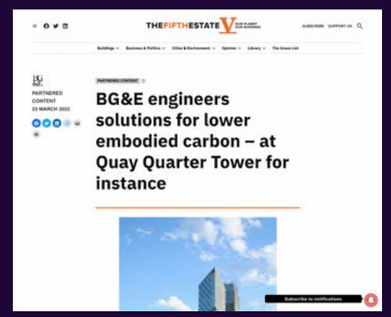
We apply a holistic lens to emissions reduction, which includes but is not limited to considering:

- project selection and planning;
- structural design and engineering;
- value engineering;
- the materials being used and their proximity to sites;
- transportation methods of materials to sites;
- construction methods;
- final usage/operation of projects; and
- decommissioning.

As we join the rest of the world in responding to the impacts of climate change, we are also striving to deliver projects that contribute to the United Nations' Sustainable Development Goals.

Here are some media articles that feature BG&E and our role in helping to drive a more sustainable future for our clients and their stakeholders.





Consult Australia's – Consulting Matters, March 2022

Read more here

The Fifth Estate, 23 March 2022

Read more here

It's Time to Get Serious About Concrete to Take on Climate Change:

Robert Gottliebsen

In vowing not to close coal fired power stations until equivalent replacement generation is in place, the bidders for AGL – Atlassian's Mike Cannon-Brookes and Brookfield's Stewart Upson – have added realism to the "shut down coal frenzy" sweeping Australia.

For that, the nation can be grateful because, until now, the frenzy was not being moderated by that vital qualification. The frenzy has also obscured sources of carbon pollution which rival coal that few want to discuss, because they go to the heart of the current Australian and world economic stimulation. That is the use of concrete and steel in construction.

Twiggy Forrest's Fortescue has highlighted the carbon content of steel production, but concrete is rarely talked about probably because, as a community, in most of our houses we are replacing stored carbon in the form of timber with concrete slabs and their associated carbon emissions.

If we are serious about carbon emissions, then we must not leave all the heavy lifting to coal – concrete must be part of the action. And just like coal, we can't simply abandon concrete unless we develop techniques and materials to either replace it or make it differently.

Late last week Frank Cerra, Managing Director of BG&E, sent me a note highlighting the size of carbon emissions from concrete.

I will share some extracts and then highlight how the so-called "Bacchus Marsh" Australian technology gives us a chance of becoming a world leader by overcoming the carbon-from-concrete global problem. Cerra points out:

- The global construction sector accounts for 25 per cent of the world's emissions. And as the world increases its investment in infrastructure and new buildings, emissions are rising rapidly. It's predicted the equivalent of one New York City will be built every month globally until 2060.
- The global cement industry produces 7 to 8 per cent of the world's man-made carbon dioxide. Concrete is consumed at a rate of 33 billion tonnes per annum and is the most consumed material in the world after water.
- Currently, over 20 per cent of Australia's GDP is attributed to infrastructure sectors, with 33 per cent of planned infrastructure project activity occurring in NSW and Victoria. Approximately 25 million cubic metres of concrete are used annually in construction.

Cerra says engineers understand the critical interdependence of structural efficiency and materials and are working with key players to reduce embodied carbon in their projects, but a lot more needs to be done.

Meanwhile NSW has launched a program to reduce carbon in infrastructure by developing "collaborative solutions which are practical yet ambitious while also ensuring our infrastructure is fit-for-purpose and built to last".

Now to the "Bacchus Marsh" cement-making technology story. Soon after the turn of the century, scientist Mark Sceats concluded that for many furnace applications, including cement, it would be far better to use a cylinder heated to very high temperatures and to conduct the treatment process inside that cylinder. That method of operation would also allow electrification of the furnace.

Washington H. Soul Pattinson saw Sceats process as a potential way of making better bricks. A test plant was commissioned at Bacchus Marsh in Victoria, but Soul Pattinson pulled out with the plant not completed. The employees raised the money to complete the plant and managed to keep it operational. Sceats is now the chief scientist at Calix, the listed-Australian company that owns the technology.

Australian cement makers were not interested, but in Europe there was a crisis. Back in 2005, the enormous emissions from its cement makers were neutralised by huge carbon credit certificates which would have lasted many decades.

But the cement makers were greedy and didn't take carbon seriously, so they sold their abundant carbon credits for a profit of some $8bn.

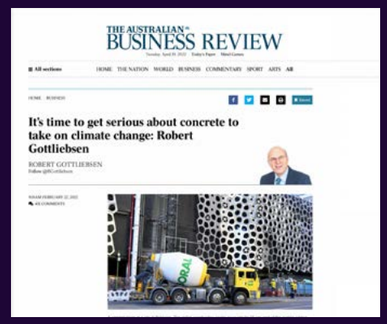
Now the European Union is being tougher on carbon but most of the credits have gone. So far the cement makers have not been able to find a satisfactory substitute for lime in cement so they are pursuing a strategy of developing technology to separate and collect the carbon emissions from the cement process. They will either use the separated carbon in industry or store it in old oil wells.

The Bacchus Marsh plant was able to separate carbon so the European cement makers trialled the Australian technology (officially called LEILAC-1) in a massive Belgium pilot plant. Other technologies were also tested before the Europeans declared last October that the Australian technology offers the cheapest way yet to decarbonise the cement industry.

Calix will receive royalties, but it is now pursuing non-cement uses for its technology.

In a deal with Pilbarra minerals, the base Bacchus Marsh technology is also being used in a scoping study to support the development of a demonstration plant to produce lithium salts. That will support a pathway towards potential future commercial production of value-added lithium products.

There are many others working on technology to reduce carbon emissions. Many will fail, but the successful developments will enable the world to slash emissions without diminishing living standards.


THE AUSTRALIAN BUSINESS REVIEW

It's time to get serious about concrete to take on climate change: Robert Gottliebsen

ROBERT GOTTLIEBSEN

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The Australian, 22 February 2022

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Innovative Project Delivery

BG&E has been successfully delivering projects utilising Digital Engineering (DE) for more than a decade. Our DE team continually develops our capability with a focus on data, technology and people. We achieved ISO 19650 accreditation – the internationally recognised standard for BIM – for the Property/Buildings and Infrastructure sectors.

A key element of this is robust data management. BG&E recognises the importance of maintaining high quality data throughout the project life-cycle, which in turn enables project teams to utilise digital technologies which rely on accurate, consistent and meaningful data.

We understand that people are critical in generating high quality data and effectively implementing technology.

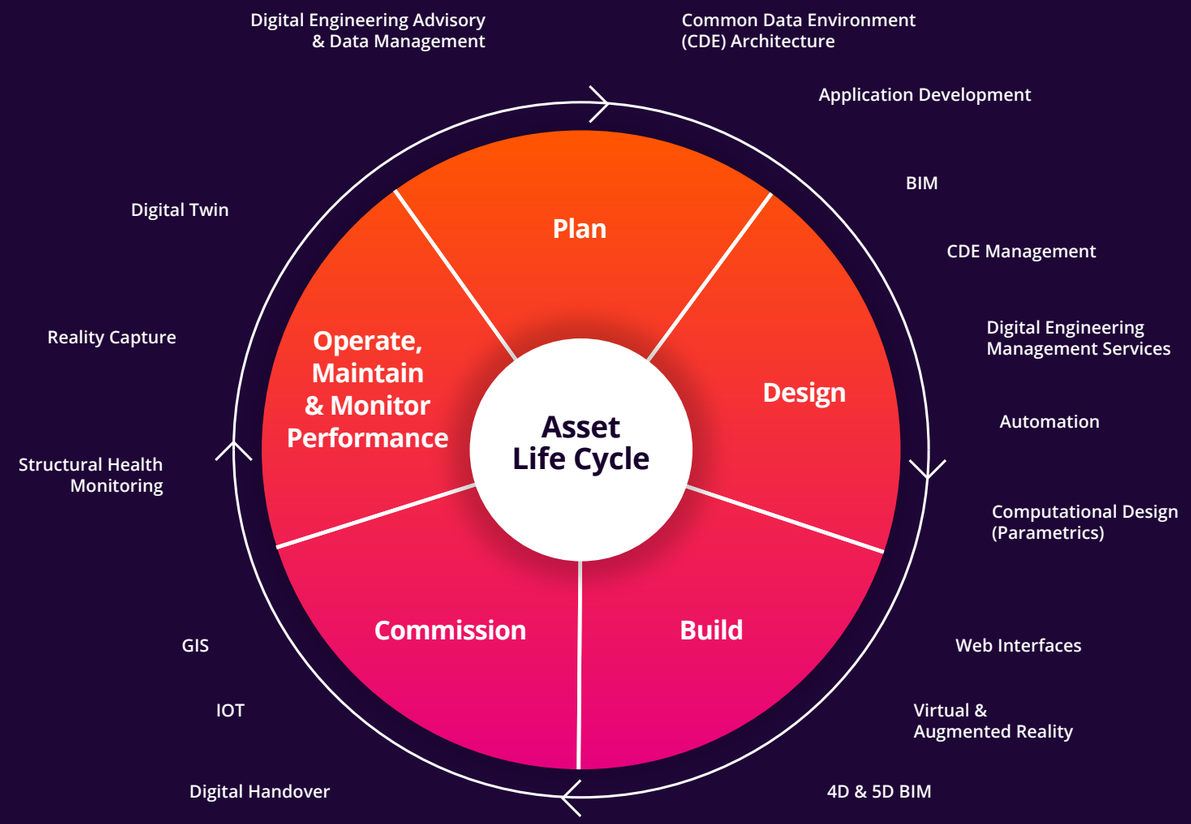
Our DE team provides ongoing digital training and support to projects teams.

We have implemented processes to support the collaborative production of information, which ensures project teams have clearly defined roles and responsibilities, as well as an understanding of what information is required and why.

BG&E is committed to exploring emerging technologies and seeking out opportunities to deploy them during the life-cycle of built assets. Our significant DE capabilities span BIM, GIS, software and web development, parametrics, visualisations, virtual and augmented reality, digital twins and the IOT.

Innovation drives our teams and by working in partnership with clients and other stakeholders, we deliver projects that encompass automated checks of BIM models, the parametric design of structures and the creation of web-based engineering analysis tools. Our knowledge, technical expertise and people-centric approach to DE is an integral part of project delivery and allows BG&E to deliver exceptional projects across the regions where we operate.

Innovative Project Delivery



Awards

2022

Quay Quarter Tower
Urban Taskforce Australia's Development of the Year 2022
Development of the Year Award – Winner
2022 Engineers Australia Sydney Awards for Excellence, Sir Hudson Award – Winner
2022 World Architecture Festival Awards, UK, Buildings: Office Award – Winner
2022 German Architecture Museum and DekaBank, Germany, International High-Rise Award – Finalist
2022 Engineers Australia National Awards for Excellence, Sir Hudson Award – Finalist
2022 Institute of Structural Engineers Awards, UK, Structural Award for Planet, People, Process and Profession – Shortlisted/Finalist
(BG&E, Multiplex, 3XN, BVN, ADG Engineering, Kasina Consultants and Arup)

Sydney Metro City and South West Tunnel and Station Excavation Works
2022 Australian Construction Achievement Award Australian Construction Achievement Award – Winner
(BG&E and Arcadis Joint Venture)

Smithfield Bypass
Civil Contractors Federation – Qld 2022 Earth Award, Project Value $75-$150million – Winner
(HDR and BG&E)

Armadale Road to North Lake Road Bridge
Master Builders-Bankwest Excellence in Construction Awards
Best Civil Engineering Works Over $100,000,000 – Winner
Construction on a Challenging Site – Winner
(Laing O'Rourke, Main Roads Western Australia (WA) and BG&E)

2021

Sheikh Khalifa Bin Salman and Sheikh Isa Bin Salman Highways – Widening and Intersections Improvement
2021 National MEED Project Awards
Road Project of the Year – Winner
(Mashreq and BG&E)

Murdoch Drive Connection
2021 WA Civil Contractors Federation Earth Awards
Project >$75M – Winner
(Main Roads WA, CPB, Georgiou, WA Limestone, GHD, AECOM and BG&E)

2020

WA Museum Boola Bardip
2020 Western Australian Steel Excellence Awards
Buildings: Large Projects – Winner

Yandhai Nepean Crossing
2020 Engineers Australia Excellence Awards
Design Innovation – Winner

Sydney Metro – Temporary Pedestrian Bridge at Martin Place
2020 NSW/ACT Steel Association Awards
High Commendation

Sydney Metro City and Southwest
2020 International Tunnelling and Underground Space Association Awards
Major Project >£500M – Winner
(Arcadis, John Holland, CPB, Ghella and BG&E)

2019

Yandhai Nepean Crossing
2019 Consult Australia Awards for Excellence
Design Innovation – Highly Commended

The Opus
2019 Council on Tall Buildings and Urban Habitat Awards for Excellence
Best Tall Building <100 Metres Award – Winner
(Omniyat Middle East Real Estate Developments LLC, Dubai and BG&E)

Mandurah Bridge Replacement Project
2019 Concrete Institute Australia Awards for Excellence
Concrete Infrastructure Project Category – Winner
(Main Roads WA, City of Mandurah, Georgiou Group and BG&E)

Ellenbrook Water Tank
2019 Concrete Institute Australia Awards for Excellence
Concrete Infrastructure Project Category – Winner

2018

Principal Tower
2018 Concrete Society Awards for Excellence, United Kingdom
Highly Commended
(Careys, M-Tech, Multiplex and BG&E)

Optus Stadium
2018 Master Builders Australia Awards
National Award for Building and Construction – Winner
(Multiplex and BG&E)

Perth City Link Bus Project
2018 Engineers Australia Engineering Excellence Awards
WA Division – Finalist
(Public Transport Authority WA, Brookfield Multiplex and BG&E)

Old Mandurah Traffic Bridge
2018 Engineers Australia Engineering Excellence Awards
WA Division – Finalist

Ipswich Motorway Upgrade: Rocklea-to-Darra Stage 1
2018 Consult Australia Awards for Excellence
Project Team Collaboration – Highly Commended
External Stakeholder Engagement – Highly Commended
2018 12D International Innovation Awards
12D Synergy – Winner
(Cardno and BG&E)

The Opus
2018 Consult Australia Awards for Excellence
Design Innovation – Highly Commended

EY Centre/200 George Street, Sydney
2018 Council on Tall Buildings and Urban Habitat
Construction Award – Winner

Green Square Library and Plaza
2018 Engineers Australia Engineering Excellence Awards
NSW Innovation Award – Winner

Stuart Cook
2018 Consult Australia Awards for Excellence
Future Leader Award – Winner
2018 Engineers Australia Engineering Excellence Awards
Young Professional of the Year Award – Winner

2017

Parmelia House
2017 Master Builders of Australia Excellence in Construction Award
Best Refurbishment/Renovation <$10M
(The Buchan Group, IA Group, Wood & Grieve Engineers, CBRE and BG&E)

Perth City Link Bus Port
2017 WA Civil Contractors Federation Earth Awards
Excellence in Civil Construction Award – Winner

Gateway WA Perth Airport and Freight Access Project
2017 Concrete Institute of Australia Awards for Excellence
WA Infrastructure Project Category – Winner
(Main Roads WA, CPB, Georgiou, GHD, AECOM and BG&E)

Reid Highway Bridges Over Mitchell Freeway and Malaga Drive
2017 Concrete Institute of Australia Awards for Excellence
WA Infrastructure Project Category – Winner

2016

BG&E
2016 Consult Australia Awards for Excellence
Medium-Sized Firm of the Year – Winner

Gateway WA Perth Airport and Freight Access Project
2016 WA Civil Contractors Federation Awards
Project Infrastructure – Winner
(Main Roads WA, CPB, Georgiou, GHD, AECOM and BG&E)

Reid Highway Upgrade
2016 Winner WA Civil Contractors Federation Awards
Earth Award – Winner
(Georgiou and BG&E)

2015

Bridges in Mambo and Tema, Tanzania
2015 BRW and PwC Aspire Awards
Societal Impact Award – Winner

Great Eastern Highway – Bullabulling-to-Coolgardie
2015 WA Civil Contractors Federation Earth Awards
Category 3 $10-30M – Winner
(Brierty for Main Roads WA and BG&E)

Port Hedland Bridges
2015 WA Civil Contractors Federation Earth Awards
Category 4 $30-75M – Winner
(Georgiou for BHP Billiton and BG&E)

Great Northern Highway Realignment
2015 WA Civil Contractors Federation Earth Awards
Category 6 >$150M – Winner
(John Holland for Main Roads WA and BG&E)

Ichthys Liquefied Natural Gas and Liquefied Petroleum Gas Storage Tanks
2015 Concrete Institute of Australia Awards for Excellence
Award for Excellence in Concrete – Winner

Addax Tower
2015 Concrete Institute of Australia Awards for Excellence
Highly Commended

2014

BG&E
2014 Consult Australia Awards for Excellence
Medium-Sized Firm of the Year – Winner

Luxe Apartments
2014 Consult Australia Awards for Excellence
Gold Award Technological Innovation Award – Winner

2013

BG&E
2013 Consult Australia Awards for Excellence
Medium-Sized Firm of the Year – Winner
Sustainability in Design Award – Winner

QEII Central Energy Plant
2013 Engineers Australia Engineering Excellence Awards
WA Division, Infrastructure & Building Category – Highly Commended

2012

BG&E
2012 Consult Australia Awards for Excellence
Medium-Sized Firm of the Year – Winner

Gateway WA
2012 Engineers Australia Engineering Excellence Awards
WA Division, Award for Control Systems, Reports and Procedures – Winner
(Main Roads WA, GHD and BG&E)

Great Eastern Highway – Roe Interchange
2012 Engineers Australia Engineering Excellence Awards
WA Division, Award for Management of Engineering – Winner
(Main Roads WA, Macmahon Contractors and BG&E)

Curtin University Engineering Pavilion
2012 Australian Steel Institute Awards for Excellence
WA Division Large Building Category – High Commendation

Rise Multi-Purpose Facility
2012 Master Builders Association of Australia Awards for Excellence
WA Best Public Use Building >$10M – Certificate of Commendation
(Pindan and BG&E)

Emirates Park Tower
2012 Consult Australia Awards for Excellence
Export Category – Highly Commended
2012 Engineers Australia Engineering Excellence Awards
Sydney Division, Excellence Award – Finalist

Fiona Stanley Hospital
2012 Consult Australia Awards for Excellence
Client Focus Category – Gold Award Winner

At BG&E, we are united by a common purpose – we believe that truly great engineering takes curiosity, bravery and trust, and is the key to creating extraordinary built environments.

Our team of more than 850 highly skilled people, in 15 offices across Australia, New Zealand, Singapore, the United Kingdom and Middle East, design and deliver engineering solutions for clients in the Property, Transport, Ports and Marine, Water, Defence, Energy and Resources sectors.

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