

Our Capability



Human-centred solutions
for a better tomorrow.

For more than 50 years, we've partnered with clients & communities to build the world around us.

Our vision is to Grow Sustainably – as a company, as people, as a planet with finite resources. To do this, we keep human beings at the centre of everything we do, whether it's building a tunnel that transforms how people move, or developing the transmission backbone that powers regions and cities with renewable energy.





Partnering to build Australia's future

Our human-centred approach starts with partnering. We harness the power of sustainable, cooperative relationships. We move beyond the 'now' with our clients, partners and communities so our shared future is bright and delivers value.

By doing this, we've become global leaders in engineering, procurement and construction, delivering almost AU\$100 billion in projects around the world.

Growing with our People

We share passion and motivation to conquer challenges – and this leads to outstanding achievement, greater opportunity and global success for our people.

With more than 5,200 employees globally, responsible for delivering more than 200 projects in hand, our people are our most valued asset. Our people stand ready to deliver solutions for a better world.

 **\$94AU**
billion projects

 **16**
countries

 **50+**
years of
experience

 **5,200**
employees
globally

 **205**
project sites

 **\$14AU**
billion annual
revenue

Creating Solutions and Valuing Innovation

We're market leaders in innovation and complex problem-solving. We adapt new ideas and technologies to create value for our clients.

Our technical capability has seen us deliver some of the world's largest and most challenging projects, with promises kept and commitments met.

We're building the future in 16 countries, and we're in Australia to help bolster capacity – with efficiency driving technology and innovation to elevate project delivery.

We're Here for Our Shared Future

We take responsibility for our role in the world's future, and strive to deliver environmental, social and governance excellence across all parts of our operations.

We proactively engage with our communities and stakeholders, provide opportunities for our employees to give back, and – importantly – we think about future generations in our decision-making.

We've been delivering outcomes for 50 years, and our view extends infinitely beyond the horizon.

With our robust record of efficiency, productivity and budget management, we operate in the sectors building a richer, more convenient world.

We lead with technology that's always one step ahead - keeping human experience at the centre.

Transport

GS E&C delivers solutions designed to ensure the safe, efficient movement of people and goods in almost any kind of environment. We build roads, tunnels, bridges, rail lines and underground structures that prioritise community and environmental outcomes.

North East Link – Tunnels



Location: Melbourne, Victoria
Delivery: Public Private Partnership (Incentivised Target Cost model)
Timeline: 2021 – 2028
Scope: 6.5km twin road tunnels, 3-4 lanes wide, TBM and SEM, 3 interchanges, parks, paths, and recreational facilities.

Manduk-Centrum Underground Expressway



Location: Busan, South Korea
Delivery: Design and Construct
Timeline: 2019 – 2025
Scope: 10km twin road tunnels, 4 lanes wide, drill and blast 3 interchanges.

East Coast Integrated Depot



Location: Changi, Singapore
Delivery: Design and Construct
Timeline: 2016 – 2025
Scope: World's largest underground rail and bus depot. Total area – 480,000m2, incl. rail depot (24 ha, 3 floors), bus depot (6ha, 4 floors) and 1.25km tunnel.

Energy

Australia's move to renewable energy will see an unprecedented need for a globally experienced solutions provider across transmission, battery, hydro, wind and solar. GS E&C brings technical experience and a commitment to social license ready to play our part in Australia's clean, green, affordable energy future.

400kV Patuakhali-G Transmission Project



Location: Bangladesh
Timeline: 2022
Scope: 160km long, 8 tower designs for 461 towers, Quad CTC ACCC conductor, 4 x river crossings.

ReNew Power



Location: Rajasthan, India
Timeline: Construction 2021, operation ongoing
Scope: Partnership with ReNew Power to deliver and operate 300MW (AC) 420MW (DC) solar photo voltaic plant

500kV Bukdangjin HVDC Underground Transmission Line



Location: South Korea
Timeline: 2022
Scope: 34km long, 1.4GW monopole Underground cable installation – 29km Submarine tunnel – 5.2km.

Building and Housing

Housing, sports, culture, education and leisure are the cornerstones of our modern life. GS E&C's building and housing business has seen its Xi apartments become the most sought-after luxury residential living spaces in South Korea. We've built South Korea's most prestigious stadiums, art and cultural centres, hospitals and technology parks.

We are frontrunners in modular housing through our Danwood SA business in Poland, and our XiGeist business in South Korea

XiGeist



Location: South Korea
Timeline: 2023
About: Luxury wooden modular homes, providing consistent quality and minimising on-site construction duration. Unique designs, competitive pricing, sustainably built and maintained.

Xi - Premium Apartments



Location: South Korea
Timeline: Since 2002
About: Xi is GS E&C's premium residential apartment brand, specialising in development and construction of high-end residential complexes that cater to modern lifestyles.

Danwood SA



Location: Poland
Timeline: Since 2020 (25+ years in operation)
About: Largest manufacturer of timber-frame turnkey energy efficient houses in Poland. 17,000+ homes realised across Europe and UK, with 117+ designs of all kinds of homes.

Sustainable Technology

We've developed some of the world's most advanced facilities for processing and manufacturing resources and materials essential to our modern way of life.

We're putting to use our manufacturing and technological prowess to help drive decarbonisation of energy production. This includes hydrogen, waste to energy, biomass power and biodiesel, carbon capture and storage, and - through our GS Enerma subsidiary - battery recycling.

Dangjin Biomass Power Plant



Location: South Korea
Timeline: 2013 – 2015
Scope: Asia's largest biomass power plant, using agricultural and associated by-products to reliably generate 105MW of electricity – delivering baseload power to the grid on demand.

Carbon capture utilisation & storage (CCUS) – BFAS partnership



Location: South Korea & Germany
Timeline: Since 2022
Scope: Partnership with BASF to jointly develop, standardise and modularise carbon capture technology – improving the ability to capture carbon dioxide in industrial processes for use or storage rather than release into the atmosphere

GS Enerma



Location: Pohang, South Korea
Timeline: Since 2022
Scope: Development and operation of lithium battery recycling plant, collecting metal sulphate to be used as cathode raw material in battery production to increase efficiency and sustainable outcomes.

Water

GS E&C is committed to playing our part in ensuring the supply, protection and enhancement of one of our most critical resources – water. We deliver exceptional solutions in pipelines, waste and water treatment and desalination plants worldwide.

Ilsan Advanced Sewage Treatment Plant



Location: Goyang, Korea
Timeline: 2009
About: Advanced sewage treatment with a capacity of 270,000m3/day using Modified Ludzack-Ettinger with Phosphorous (MLEP) removal process

Lagares Waste Water Treatment Plant



Location: Vigo Spain
Timeline: 2015
About: Waste water treatment capacity of 230,668 m3/day

Mostaganem Desalination Plant



Location: Algeria
Timeline: 2009
About: Desalination capacity of 200,000m3/day

We invest in the future of our people and industry.

Research & development

Our commitment to a transformed future lives through our Research and Development Institute in South Korea, where we are focused on developing technologies of the future.

Investing almost AU\$85 million during 2024 alone, our Institute is focused on:

- Carbon solutions, hydrogen, renewable energy and battery recycling
- Eco-friendly architecture, prefabrication and modularisation
- Geotechnical, geology, infrastructure materials and residential environment
- Integrated management platforms linked with smart technology to manage aging infrastructure
- Digital, BIM and 'smartification' technologies for improving productivity in construction and manufacturing.

Sustainability with a global view

Our business strategy is underpinned by our Grow Sustainably vision and commitment to delivering exceptional environmental, social and governance outcomes.

As members of the United Nations Global Compact committee since 2010, we comply with both the 10 UNGC Principles, and the 17 UN Sustainable Development goals.

We adhere to ISO26000, which guides how we contribute to sustainable development around the world.

We produce a yearly integrated sustainability report – ensuring we stay accountable for the role we play in building a better tomorrow.

Safety at the forefront

We've trained more than 22,000 people since establishing our South Korean flagship Safety Innovation School in 2006.

The centre uses hands-on practice, as well as augmented and virtual reality to provide a real-world experience in a controlled environment.

We've opened a Safety Innovation School in Singapore, and in 2023 brought our innovations to the Victorian Tunnelling Centre at Holmesglen in Melbourne, where it forms part of the workforce learning experience.

A history steeped in tradition; a future propelling us to a better world

GS E&C's roots date back to the 1950s in South Korea – a time of great economic drive producing some of the world's most well-recognised companies.

It started with LG Group - now a world-leading electronics manufacturer - where our earliest iteration formed LG's construction arm.

After LG Group and GS Group amicably divided their business interests in 2004, GS Group grew through diverse businesses across energy, retail, finance, and through GS E&C, engineering and construction.

We've proudly helped modernise Korea, with our many projects helping reduce average commute times by 25%, despite a 30% growth in travel distances.

We've contributed to modernisation of countries across the world's continents - from the UK and Europe, to Africa, the Middle East, Asia, North America.

We're now in Australia for the long haul.





**In Australia for
the long haul.**

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