

KBR is a leading provider of engineering, construction and project management services, with a global reputation for reliability and technical excellence, and an unwavering commitment to workplace safety.

As engineering designers we are at the forefront in helping to improve the communities we serve, incorporating safety and sustainability factors into the planning, design and construction of our work.

Our aim is to build a healthier and safer world—meeting the needs of today's communities in a way that considers the needs of tomorrow.



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sustainability

Sustainability

SUSTAINABLE

Carbon capture and storage

Climate change adaptation

Green building design

Greenhouse gas emissions
assessment and management

Impact assessments

Life cycle analysis

Multicriteria analysis

Renewable energy assessments

Sustainability frameworks
and reporting

Water and energy management

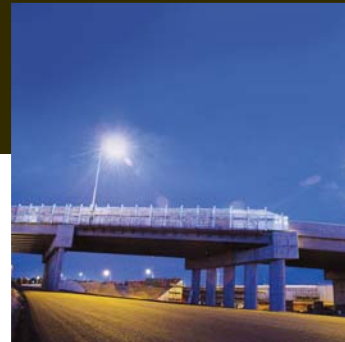
Building a sustainable future

KBR's company-wide sustainability focus underpins a longstanding commitment to the community and the environment. We are dedicated to undertaking both our operations and project activities in a sustainable manner.

We have successfully applied our range of sustainability services to realise project-specific goals in mining, transportation and water management industries across Australia and the Asia Pacific region.

Our teams – who are skilled in investigating design solutions and technologies that minimise social, environmental and economic risks – are supported by KBR's well developed suite of processes, procedures and assessment tools.

KBR is helping meet the infrastructure needs of today, while creating a positive legacy for future generations.



Darra to Springfield transport corridor, Queensland

KBR undertook carbon assessments and prepared climate change impact statements for south-east Queensland's first integrated road and passenger rail corridor. The carbon assessments considered the impact of altering the road and rail alignment to reduce greenhouse gas emissions. KBR also handled all reporting requirements for the *National Greenhouse and Energy Reporting Act*, assessed construction emissions profiles, calculated greenhouse gas rates generated from vegetation clearing, and recommended offset strategies.



Moomba Carbon Storage Project concept study, South Australia

KBR investigated the technical and economic feasibility of capturing all CO₂ separated at the Moomba gas plant, and then treating, compressing and transporting it via a pipeline for sequestration in nearby oil reservoirs. One of the few large-scale options to lower greenhouse gas emissions, this method of carbon capture and storage can also re-pressurise the depleted reservoirs and enable enhanced recovery of oil left behind by traditional extraction methods.



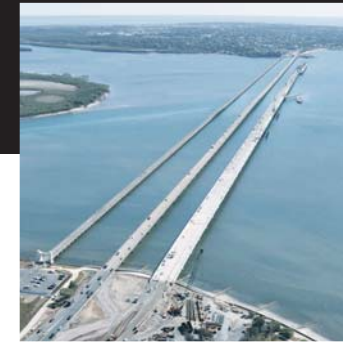
Hallett wind farm development, South Australia

AGL's South Australian development will comprise up to five wind farms, capable of powering 240,000 average Australian homes. KBR has provided project management services for the first two stages of the development and is currently engaged on the third stage, consisting of 63 wind turbine generators and associated infrastructure. In addition to project controls and contract management, KBR helped AGL secure registration with the Australian Energy Market Regulator and the Office of the Renewable Energy Regulator.



Quang Ngai Natural Disaster Mitigation Project, Vietnam

KBR designed and managed this award-winning AusAID project in disaster-prone Quang Ngai Province, which each year faces devastating floods and typhoons. This demonstration project provided a safe harbour for fishing vessels, together with riverbank and storm surge protection works. Lives have been saved as a result of rescue training and school education programs, while floodplain modelling capacity will assist with future planning.



Houghton Highway duplication, Queensland

In duplicating the 78-span Houghton Highway bridge – the longest in the southern hemisphere – KBR provided a structural design that minimised the bridge's impact on the sensitive marine park it traversed by reducing the number of piles from over 1000 to 154. The bridge is designed to withstand a 1-in-2000 year storm event and sea level rise due to climate change, and features recycled heritage timbers.