

KBR



minerals

mining



Expertise you can rely on

Large-scale minerals developments demand all the infrastructure of a town – civil works, housing, roads, airstrips, power and water supplies – as well as mine-specific facilities such as conveyors, rail lines, ship-loaders, wharves, harbours and container terminals.

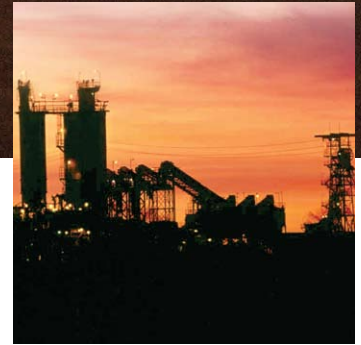
As a global multidiscipline business KBR meets the specialised demands of such developments, drawing on a large reserve of skilled engineers and project managers and keeping risks in view and under control with leading project management tools.

A commitment to health, safety and environmental sustainability underpins all we do: we strive to set industry benchmarks for creating incident-free work sites and for operating in an environmentally responsible and sustainable manner.



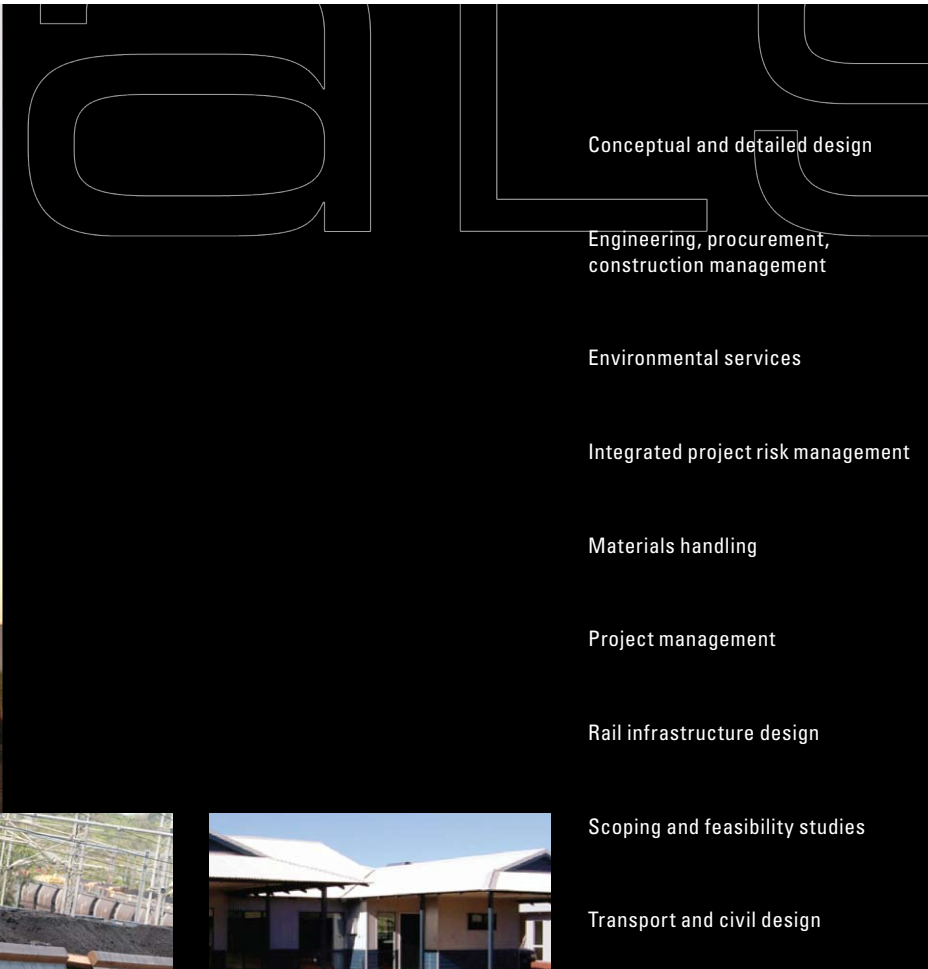
Ranger mine water treatment plant, Northern Territory

After performing the initial feasibility work including design options and preliminary engineering, KBR was engaged to provide engineering, procurement and construction management services to Energy Resources of Australia (ERA) for a new water treatment plant at ERA's Ranger uranium mine operation at Jabiru. The plant incorporates a state-of-the-art 7 ML/d ultrafiltration and reverse osmosis desalination plant.



Olympic Dam project, South Australia

In a 20-year association with BHP Billiton's Olympic Dam mine – the world's largest uranium deposit and fourth-largest copper deposit – KBR has produced feasibility studies and environmental management plans, designed access roads, supplied process and potable water and high-voltage power, and delivered stand-alone EPCM projects for multiple aspects of the mine's development.



Hope Downs 1 iron ore project, Western Australia

As EPCM contractor, KBR in association with Lycopodium delivered all mining facilities for the Hope Downs 1 (North and South) iron ore deposits. Included were mine pre-strip and dewatering, mine infrastructure, materials handling, processing plant, rail load-out facilities, stockpiling, and power and water supply. Creative construction planning, which utilised offshore fabrication, enabled processed ore to be delivered on schedule despite boom market conditions.

CoalConnect Alliance rail link, Queensland

This alliance undertook design and early site works for Queensland Rail's Goonyella to Abbot Point rail expansion project – an upgrade of 145 km of track, and a new 69 km heavy haul coal line, connecting existing freight systems. Within the alliance, KBR provided track alignment design, survey management, project management, approvals management, consultation, engineering, documentation, programming and engineering support during construction.

Pilbara energy efficient housing, Western Australia

Numerous mine expansion projects in the Pilbara in 2005–06 attracted a large number of workers and their families, creating a severe housing shortage in the major towns of the region. As EPCM contractor to Hamersley Iron, KBR worked within tight timelines to develop a new 51-home subdivision in Tom Price. The development complied with the latest energy efficiency guidelines and exceeded the required five-star rating. KBR's safety performance on the job was outstanding.



Facilities

Minerals

Transport

Water

KBR is a leading provider of engineering, construction and project management services, with a global reputation for reliability and technical excellence, and an unswerving 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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