

SECURE SITE INFRASTRUCTURE

Capability Statement

Empower Engineers & Project Managers provide civil, structural, mechanical and electrical design, and project management services.

Empower is unique in the engineering services market. As the design arm of BMD's vertically integrated Group of companies, Empower are able to offer clients a design only service or the complete design and construct package.

Supported by the strength of the BMD Group, we are able to offer clients a variety of options regarding risk and opportunity management, contracting styles, time and cost controls.

THE BMD GROUP

The BMD Group is renowned for its engineering design, construction and land development. BMD deliver projects for clients and partners in the infrastructure networks, land development and resources and energy sectors.

Founded in 1979, BMD has approximately 1,700 staff with the resources and experience to deliver projects ranging in construction value from \$500,000 to \$1.5 billion and design fees valued from \$25,000 to \$1 million.

VALUE ENGINEERING

Empower provide clients with value for money assurance by maintaining transparency in pricing and delivery.

Risk and opportunity management

Early Contractor Involvement (ECI) provides clients with the opportunity to identify and quantify potential risks.

This process promotes open and informed dialogue about risk apportion and management.

Collaborative contracting

Empower has successfully worked in collaborative contracting arrangements, including alliances, with client employees forming part of the project delivery team.

Fast and effective decision making as well as upskilling and sharing of lessons learnt has produced positive outcomes including expedited delivery timeframes and defect free projects at practical completion.

Time and cost control

The simultaneous engagement of design and construction contractors has proven to expedite the start of construction.

Empower is able to offer this to clients either as the designer, contractor or as both through the vertical integration of BMD companies.

Value for money assurance

In order to provide clients with value for money assurance, Empower offers clients a variety of models as well as transparency in pricing build-up and margin on direct job costs.

EMPOWER VALUE EQUATION

Empower employs the following equation to deliver projects, encouraging collaboration and innovation, ensuring we achieve best for project outcomes for our clients.

COLLABORATIVE PLANNING AND IMPLEMENTATION



INTELLIGENT AND RESPONSIVE DESIGN



INFORMED AND COST EFFECTIVE CONSTRUCTION



PROVEN VALUE FOR MONEY AND MORE PROFITABLE PROJECTS



A MORE RESILIENT AND SUSTAINABLE INFRASTRUCTURE NETWORK.

“Empower’s strong relationships with our clients combined with our experience and understanding of the safety, quality and environment protocols required to work in secured environments, is reflected in our design work. We are able to respond to design and construction challenges, collaborating with our clients to provide value engineering options to achieve best for project outcomes.”

Matthew Beggs

National General Manager – Empower Engineers & Project Managers

www.eepm.com.au

SEAPORT

MASTER PLANNING AND DESIGN

Port of Townsville Townsville, QLD

Infrastructure master planning for the eastern expansion area, connections to Southern Port Road, new rail balloon loops, stormwater planning along with water, sewer and electricity services planning.

Port Botany Container Terminal Sydney, NSW

Alternative design of dowel cradle system for heavy duty pavements to improve efficiency for forklifts.

DEFENCE

MASTER PLANNING AND DESIGN

Tully Jungle Warfare Centre Canungra, QLD

Road and stormwater upgrades in a high security environment.

AACAP Dampier Peninsula Dampier Peninsula, WA

Design of various roads, stormwater and services infrastructure across remote Indigenous communities. This project was with the 19th Chief Engineer of the Australian Army in communities not open to the public without permission.

AIRPORT

MASTER PLANNING AND DESIGN

Brisbane International Airport Brisbane, QLD

Options development for water main replacement under main runway and the final design of the water main around runway.

Townsville Airport Townsville, QLD

Design and construction certification of deep pavements for taxiway and aprons at the domestic terminal.

Sydney Domestic Airport Mascot, NSW

Design of various traffic improvement measures to passenger entry and exit.

DESIGN AND CONSTRUCT

Saltwater Exchange Lake Capestone Brisbane, QLD

Design and construction of a 13 hectare brackish lake including bulk earthworks, saltwater exchange pumps, rising main and outfall detailed revetment systems.

DESIGN AND CONSTRUCT

Townsville High Range Improvised Explosive Device Training Area Townsville, QLD

Design of various specification road pavements and stormwater features, plus installation of other training requirements.

RAAF Base Darwin Defence Housing Darwin, NT

Design and construction of 80 housing lots for Defence including consideration of sensitive stormwater environment and contamination constraints. Required short turnaround iterations to respond to changing client site requirements.

DESIGN AND CONSTRUCT

Brisbane International Airport Brisbane, QLD

Airside temporary roadworks and stormwater diversion required for construction contractor installations.

Brisbane Domestic Airport Brisbane, QLD

Landside design and construction of various carparks for staff including 100-600 space installations across the airport.

Darwin International Airport Darwin, NT

Larkin Avenue to Lancaster Road water main connection involving the reconstruction of 280m of DN150uPVC as part of an upgrade program.



KEY CONTACTS

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Empowered to do more