



WATER AND WASTEWATER

CAPABILITY STATEMENT



POWERING FUTURES,
CREATING LEGACIES.



FOR MORE THAN 47 YEARS, BMD HAS DELIVERED SOME OF AUSTRALIA'S MOST COMPLEX AND TRANSFORMATIONAL PROJECTS ACROSS WATER AND WASTEWATER, RAIL, TRANSPORT, ENERGY, RESOURCES AND DEFENCE SECTORS.

As a leading integrated engineering, construction and urban development business, BMD is highly experienced in collaborative contracting and bringing together specialist teams to solve complex challenges.

BMD's ability to self-perform works, activate local workforces and extensive experience delivering diverse projects in rural and remote regions, underpins a consistent record of successful project delivery.

As a 100% Australian family-owned and values-based company, BMD fosters a culture of collaboration, integrity and care across our operations.

BMD is committed to achieving positive outcomes, powering futures and creating legacies for our clients, partners and communities.

An aerial photograph of a large-scale water and wastewater treatment facility. The image shows several large, circular aeration tanks with complex internal structures, connected by a network of pipes and walkways. In the background, there are long, narrow rectangular basins and various industrial buildings. The entire facility is situated in an open, flat area with some greenery and a clear blue sky in the distance.

**WE DELIVER
COLLABORATIVE
INFRASTRUCTURE
SOLUTIONS THAT
CONNECT AND
TRANSFORM
COMMUNITIES.**



WESTERN TREATMENT PLANT 5 WEST NUTRIENT REMOVAL PLANT



Winner of the Victorian Australian Water Association Metro Infrastructure Project Innovation Award (2025)



Winner of the Infrastructure Partnerships Australia Innovation Excellence Award (2026)

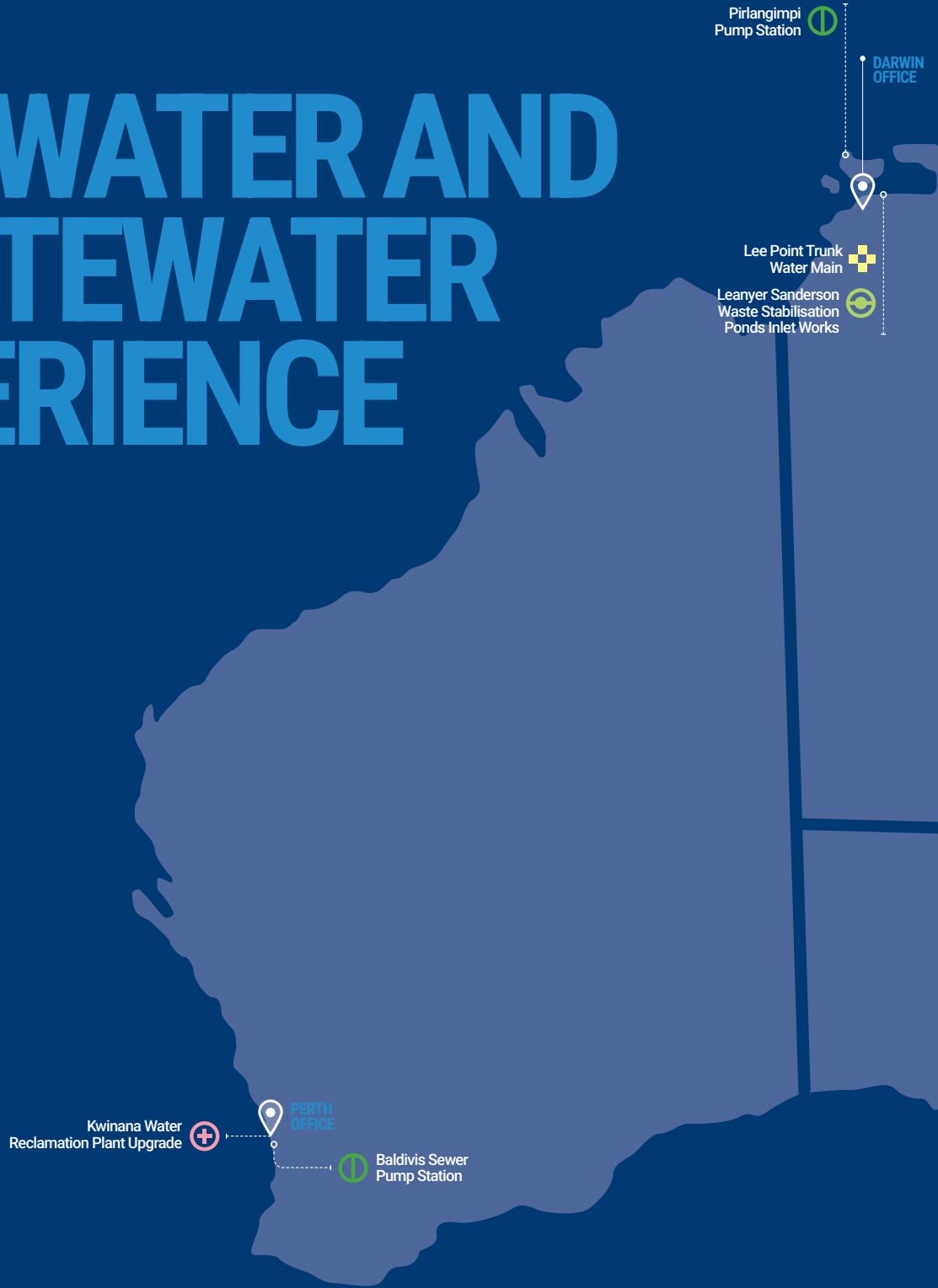
BMD delivered the final stage of Melbourne Water's three stage expansion at the Western Treatment Plant in Werribee, Victoria.

This critical upgrade involved constructing a new nutrient removal plant capable of processing 150 million litres of wastewater per day – equivalent to 60 Olympic swimming pools – replacing the existing 55E activated sludge plant. As the Western Treatment Plant handles almost half of Melbourne's sewage, this upgrade is important for maintaining the city's environmental and public health standards.

One of the project's defining innovations is the full-scale implementation of Shortcut Nitrogen Removal (SCNR) via Nitrite Shunt, positioning the facility among the world's first mainstream wastewater treatment plants to apply the process at scale.

Advanced aeration controls and flexible operating modes enable the plant to optimise performance under variable influent conditions, delivering carbon-efficient nitrogen removal with lower energy demand and reduced carbon requirements compared with conventional treatment processes.

OUR WATER AND WASTEWATER EXPERIENCE



KEY

PIPELINE



WATER TREATMENT PLANT



WASTEWATER TREATMENT PLANT



SEWER PUMP STATION



SEWER MAIN



WATER MAIN



WATER STORAGE



ENVIRONMENT



OUR EXPERTISE

WATER



BMD brings deep expertise in the design, construction, and project management of water and wastewater infrastructure, from supporting local water authorities with clean water solutions to managing multi-million-dollar projects that ensure the future water security of metropolitan and regional communities.

The construction of large diameter pipelines, sewers, outfalls, water and sewer rising mains, pump stations, water treatment plants and structures crucial to water storage form part of our capability. While our expertise in earthworks and tunnelling ensure seamless project delivery.

We incorporate critical management systems throughout design, construction, commissioning, and maintenance stages – setting industry standards to sustain local environments and support local communities.

BMD RELATED CAPABILITY Environment



ARCADIA NATIVE FISH HATCHERY

Victorian Fisheries Authority VIC \$10.5 million

- Expansion to increase production capacity for recreational fish stocking in Victoria.
- Construction of 100 new ponds and supporting water, drainage, mechanical, and electrical infrastructure.

BMD RELATED CAPABILITY Water main and water storage



KANGAROO ISLAND DESALINATION PROJECT

SA Water SA \$12 million

- Design and construction of approximately 10,500 kilometres of reticulation main and 2.8 kilometres of DICL trunk main.
- 500-kilolitre storage tank facility for the American River.

BMD RELATED CAPABILITY Water main



ONE TREE RESERVOIR

ICON Water Limited ACT \$6.4 million

- Construction of new pump skid, water rising main, associated electrical works and access road.
- Site civil works including construction of a chlorine dosing building.

An aerial photograph of a large-scale industrial construction project. The scene is dominated by a vast, flat concrete floor. A complex network of metal scaffolding, consisting of numerous vertical and diagonal beams, is erected across the site. In the lower center, two workers wearing high-visibility orange safety vests and white hard hats are walking towards the camera. The background shows a landscape with trees and a clear blue sky. The overall lighting is bright, suggesting a sunny day.

POWERING FUTURES AND CREATING ENDURING LEGACIES THROUGH A COMMITMENT TO COLLABORATION.

WESTERN TREATMENT PLANT 5 WEST NUTRIENT REMOVAL PLANT

OUR EXPERTISE

COLLABORATIVE APPROACH

Whether self-performing works, acting as a managing contractor, or delivering in joint venture, we tailor our approach to meet client needs. All subcontractors are carefully selected for their proven on-the-job knowledge, safety performance and execution excellence.

We recognise the importance of building strong relationships with local subcontractors and suppliers, landowners, and the community to enhance project delivery and create a positive legacy.



BMD RELATED CAPABILITY Pipeline



HAUGHTON PIPELINE PROJECT STAGE

Delivered in joint venture with DJ MacCormick

Townsville City Council QLD \$150 million

- Following the successful delivery of Stage 1 in 2020, BMD is progressing Stage 2 for repeat client Townsville City Council to strengthen the region's water security.
- Installation of 28 kilometres of pipework infrastructure from the Haughton River to the Burdekin River.
- Construction of a pump station and HV power supply infrastructure.

BMD RELATED CAPABILITY Pipeline and water treatment plant



FITZROY TO GLADSTONE PIPELINE AND TREATMENT PLANT

Delivering in joint venture with McConnell Dowell

Gladstone Area Water Board/Queensland Government QLD

- Delivering a 117-kilometre pipeline with capacity to transport 30 gigalitres of water per year.
- Construction of a water treatment plant, reservoirs and pumping stations.



INTEGRATED DELIVERY, SUSTAINABLE OUTCOMES

BMD's appointment to two major Integrated Planning and Delivery (IPD) models reinforces our expanding presence in the water sector and our commitment to delivering reliable and resilient infrastructure solutions to support the needs of growing communities.

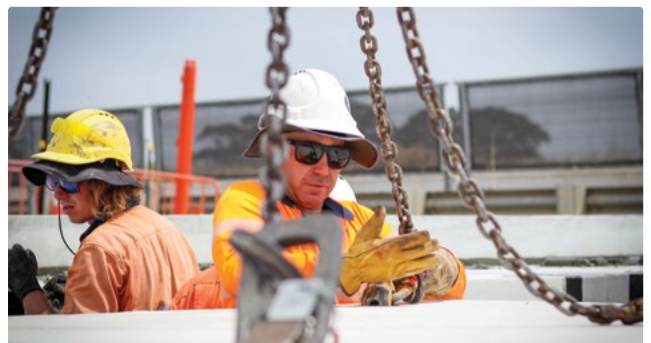
SA WATER'S \$3.3 BILLION CAPITAL WORKS PROGRAM

In South Australia, BMD has joined forces with Diona and Leed Engineering as one of three Pipeline Delivery Partners (PDP) under SA Water's \$3.3 billion IPD capital works program. The team will deliver a share of \$700 million in essential trunk water and sewer infrastructure upgrades, that will unlock capacity to enable new homes to be built across the state.

SOUTH EAST WATER'S \$1.5 BILLION CAPITAL WORKS PROGRAM

In Victoria, BMD has partnered with Abergeldie and KBR under the ABK joint venture to deliver South East Water's \$1.5 billion IPD capital works program over the next 10 years.

BMD RELATED CAPABILITY Water main



DINGLEY PIPELINE UPGRADE

Delivery of the first stage of the Dingley Recycled Water Scheme by ABK joint venture (Abergeldie, BMD and KBR), as part of South East Water's Integrated Planning and Delivery model.

South East Water VIC \$30 million

- ▶ The project will deliver 1.8 gigalitres of Class A recycled water annually to more than 40 sites, including sports ovals, golf courses and market gardens.
- ▶ Scope includes design, procurement, construction, testing, commissioning and handover.
- ▶ Use of innovative techniques, including horizontal directional drilling.

OUR EXPERTISE

WASTEWATER

BMD RELATED CAPABILITY Wastewater treatment plant



WESTERN TREATMENT PLANT 5 WEST NUTRIENT REMOVAL PLANT

Melbourne Water VIC \$330 million

Winner of the Victorian Australian Water Association Metro Infrastructure Project Innovation Award (2025)

Winner of the Infrastructure Partnerships Australia Innovation Excellence Award (2026)

- Constructed a new nutrient removal plant with capacity to treat 150 million litres of wastewater per day (equivalent to 60 Olympic swimming pools), replacing the existing 55E activated sludge plant at the Western Treatment Plant.
- Delivered five bioreactor–clarifier tanks, along with waste activated sludge and effluent discharge pipeline connections, ancillary buildings, pump stations and full commissioning services.
- Improved resilience and efficiency by addressing historical capacity constraints and future population growth while renewing aging treatment infrastructure.
- Implemented a local first approach, procuring almost 90% of materials, plant and labour from within Australia to deliver the project.
- Established the Social Engine Cafe, providing on site kiosk and catering services for the project team while also creating over 5,500 employment hours and training opportunities for at-risk youth.
- Provided opportunities for 92 First Nations employees and supported 16 Indigenous businesses, with a total spend of over \$10 million.
- Delivered over 79,000 social enterprise hours, representing 9% of the total workforce, exceeding the government benchmark of 3%.
- In partnership with subcontractors, raised over \$90,000 for charities, including the Good Friday Appeal, Royal Hospital Appeal, Type 1 Foundation, Moving Uniting, The Push-Up Challenge, Movember and WaterAid.

BMD RELATED CAPABILITY Wastewater treatment plant



RICHMOND SYSTEM WASTEWATER UPGRADE

Sydney Water NSW \$137 million

- Managing the design and construction upgrade of the Richmond Water Resource Recovery Facility (WRRF) and North Richmond Wastewater Treatment Plant (WWTP) to increase regional wastewater treatment and recycling capacity.
- Major infrastructure upgrades include a new pump station, inlet works, aerated lagoons, tertiary filters, extended chlorine contact tanks and a 7 kilometre transfer pipeline connecting the two facilities.

BMD RELATED CAPABILITY Pumped hydro



UPPER WAWA DAM PUMPING STATION

Wawa JVCo Inc. Manila (Philippines) PhP 3.2 billion

- Designed and constructed a pumping station at the Upper Wawa Dam as part of Metropolitan Waterworks and Sewerage System's plan to improve the water supply delivery to Metro Manila.

BMD RELATED CAPABILITY Wastewater treatment plant



CHARMHAVEN SEWAGE TREATMENT PLANT

Central Coast Council NSW \$140 million

- ▶ Construct-only upgrade, spanning civil, mechanical, electrical and process works across all treatment stages and site systems.
- ▶ New inlet works, bioreactors, clarifiers and tertiary treatment, upgraded sludge handling systems, associated buildings and services, SCADA integration, and full testing and commissioning.

BMD RELATED CAPABILITY Wastewater treatment plant



WEST CAMDEN WATER RESOURCE RECOVERY FACILITY - STAGE 3

Sydney Water Corporation NSW \$200 million

- ▶ Critical upgrade doubling the plant's capacity to meet future population growth.
- ▶ Construction of new inlet works and four Membrane Bio Reactor units.
- ▶ End-to-end delivery of all works from design to construction, including process, electrical, civil, and commissioning activities.

BMD RELATED CAPABILITY Water and waste water treatment plant



KINGSBOROUGH SEWERAGE TREATMENT PLANT UPGRADE

TasWater TAS \$50 million

- ▶ Upgrade of Blackmans Bay Sewerage Treatment Plant capacity from 4.1 to 8.5 million litres per day, including conversion of three lagoon-style plants into network pump stations.
- ▶ Design, construction, and commissioning of a new pipeline to transfer sewage.

BMD RELATED CAPABILITY Sewer pump station



BALDIVIS SEWER PUMP STATION

Water Corporation WA \$28 million

- ▶ Upgrade to support community growth and future land development in south Perth.
- ▶ Includes manufacture, supply, construction, installation, testing, and commissioning.



THE POWER OF BMD

BMD's vast experience across industry sectors further bolsters our ability to deliver complex infrastructure projects that help shape the future of water and wastewater.

In a sector that is both complex and multifaceted, BMD remains focused on working collaboratively with clients, governments and our local communities to achieve a sustainable future.

BMD RELATED CAPABILITY Sewer main



O'POSSUM CREEK TRUNK SEWER STAGES 1 AND 2

Springfield City Group QLD \$16.2 million

- ▶ Vital sewer infrastructure including 623 metres of micro-tunnelling and live bypass works for flow switching and cut-ins to existing mains.

BMD RELATED CAPABILITY Sewer pump station



PIRLANGIMPI PUMP STATION AND RISING MAIN

Department of Infrastructure, Planning and Logistics NT \$1.75 million

- ▶ Sewer pump station upgrade in the remote Indigenous community of Pirlangimpi on the Tiwi Islands to support future growth and a new residential subdivision.

BMD RELATED CAPABILITY Sewer main



SUNBURY TRUNK SEWER

Greater Western Water VIC \$3.2 million

- Duplication of the original outfall built in the 1970s, including connection of nearly 1000 metres of pipeline and construction of new maintenance holes.

BMD RELATED CAPABILITY Sewer pump station



RIVERLEA PUMP STATION

Walker Corporation SA \$6.5 million

- Construction of a vacuum wastewater pump station to service 1,830 residential and retail lots.
- Basement built below groundwater level, requiring continuous dewatering and robust waterproofing.

BMD RELATED CAPABILITY Water treatment plant



MOUNT CROSBY EAST BANK WATER TREATMENT PLANT FILTER UPGRADE

Seqwater QLD \$35 million

- Upgrade of filtration infrastructure and control systems to support demand and compliance for the next 25 years.
- Refurbishment of 20 filter cells, including installation of new underdrain systems and filter media.

BMD RELATED CAPABILITY Water treatment plant



DOUGLAS WATER TREATMENT PLANT UPGRADE

Townsville City Council QLD \$28.4 million

- Commissioned of two new clarifiers to improve Townsville resilience and water security.
- The new infrastructure can treat 950 litres of raw water per second through the module 3 clarifier and 1100 litres per second through the module 4 clarifier.



PRIORITISING LOCAL PROCUREMENT AND REGIONAL DELIVERY

STRENGTHENING THE AUSTRALIAN SUPPLY CHAIN AND RURAL ECONOMIES THROUGH LOCAL ENGAGEMENT

BMD's experience spans remote and regional areas. From building bridges in the remote Kimberley region to laying pipeline through Far North Queensland, our teams have a clear track record of skilfully managed project execution and delivery.

BMD understands the unique challenges involved including attracting and retaining skilled workers, managing procurement and complex logistics, delivering plant and materials, coordinating accommodation camps and workforce rostering and dealing with inclement weather.

Guided by our relationship-based approach, we are committed to supporting regional and rural economies by sourcing services and materials locally, upskilling local workers, and leaving a lasting legacy of skills, training and employment.

NEW FITZROY RIVER BRIDGE

Main Roads Western Australia WA \$245 million
Delivered in joint venture

OVER 260 local Aboriginal workers employed

25% OF TOTAL HOURS completed by Aboriginal workers (111,661 hours)

22% OF PROJECT VALUE spent with Aboriginal enterprises (\$36 million)

21 CONTRACTS AWARDED to local Aboriginal-owned businesses

PARTNERSHIPS WITH
FIVE FITZROY VALLEY
language groups



HEALTH AND SAFETY

HOLD HIGHEST LEVELS

of industry accreditations and certifications including Federal Safety Commissioner Accreditation

Investment in

THREE YEAR

safety strategy in place

0.5 LTIFR12

(Lost time injury frequency rate)

STRONG

health and safety culture with high levels of workforce engagement

Simplifying safety, strengthening controls through critical risk planning

Comprehensive emergency preparedness program delivered for the Western Treatment Plant 5 West Nutrient Removal Plant brownfield site, addressing its remote location and complex risks. Included advanced responder training and high-risk rescue simulations, with over 120 mock scenarios conducted and continuously improved through debriefs.



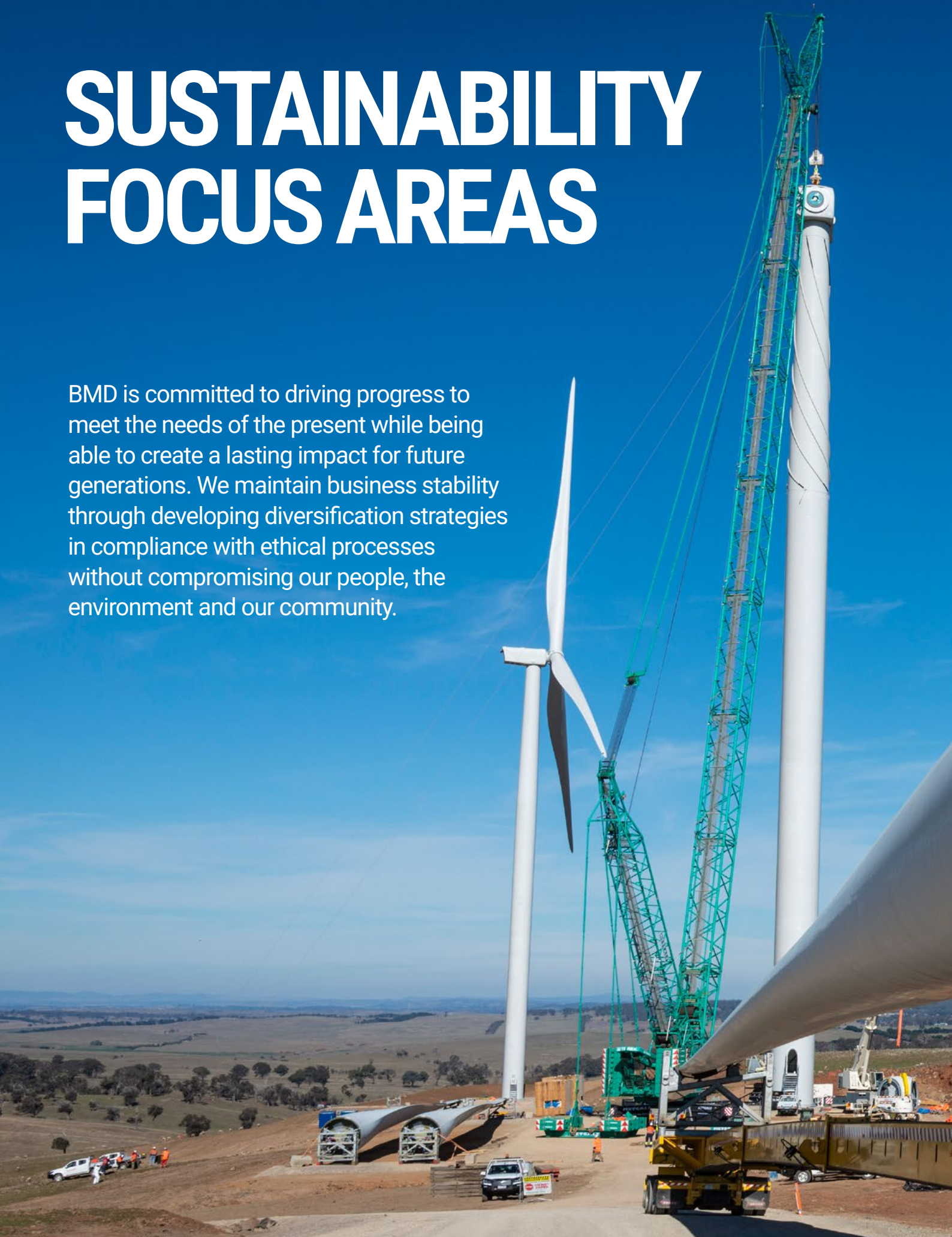
A photograph showing two workers from behind, walking away on a blue metal walkway. They are wearing white hard hats and high-visibility orange safety vests. The walkway is part of a large industrial facility with numerous white pipes and metal structures. The sky is overcast.

VISION STATEMENT:

"We will achieve safety excellence through strong and visible leadership, enhancing the capability of our people to foster an environment where the physical and psychological health and wellbeing of our people is fundamental to our overall success."

SUSTAINABILITY FOCUS AREAS

BMD is committed to driving progress to meet the needs of the present while being able to create a lasting impact for future generations. We maintain business stability through developing diversification strategies in compliance with ethical processes without compromising our people, the environment and our community.





ENVIRONMENT

We support innovations and technologies that reduce our carbon emissions, improve waste and circular economy processes and protect biodiversity while mitigating ecological impacts.



SOCIAL

We prioritise our workforce by investing in wellbeing programs, improving health and safety practices and ensuring diversity and inclusion within our business. We are committed to creating career pathways and economic opportunities for our people that transcends our clients, the community and Indigenous partnerships.



GOVERNANCE

We ensure data security in our processes and systems to maintain ethical and compliant business and supply chain.



ECONOMIC

We prioritise commercial principles to ensure positive economic outcomes for our business operations, partners and communities.



SOCIAL IMPACT

We continue to invest in the wellbeing of our people, while building a more diverse, inclusive and balanced workforce. We're continually improving safety for our people and the communities around us.

Our commitment extends beyond our projects, with more than \$1.5 million invested each year in community sponsorships and partnerships. Through this support, we help power local teams, clubs and events that reflect our values and promote the growth and profile of our industry.



\$224M

Indigenous procurement spend from 2017-2025

\$1.1M

spent with Social Traders Australia certified suppliers in FY25

3.16%

Indigenous employment in FY25

\$760K

spent with Veterans in Construction in FY25

\$1.5M+

annual investment in community partnerships

CREATING ENDURING LEGACIES IN THE COMMUNITIES IN WHICH WE OPERATE

BMD acknowledges with deep respect the traditions, values and cultures of Aboriginal and Torres Strait Islander peoples across Australia. Our commitment to fostering relationships and collaboration with Aboriginal and Torres Strait Islander peoples and businesses remains integral to how we operate and ensures our projects create positive and lasting impacts in communities, beyond the infrastructure we deliver.

Through our Stretch Reconciliation Action Plan (RAP), we outline our commitments, strategies, actions and key initiatives aimed at achieving our vision of a sustainable future for Aboriginal and Torres Strait Islander peoples. This includes fostering cultural understanding within our organisation, providing employment and training opportunities for Aboriginal and Torres Strait Islander peoples, supporting Aboriginal and Torres Strait Islander owned businesses through procurement and creating meaningful partnerships with communities.

**SCAN TO READ
OUR RAP**





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