

# AVIATION





# **ABOUTUS**

# WE BUILD AUSTRALIA'S CRITICAL INFRASTRUCTURE, PROVIDING TRUSTED EXPERTISE ACROSS AVIATION, DEFENCE, TRANSPORT, WATER, ENERGY AND RESOURCES SECTORS.

Over a 46-year history, the BMD Group has grown to become a \$2 billion operation, now sharing our expertise internationally in the Philippines and the UK.

The BMD Group proudly operates five companies in our unique vertically integrated business model, including BMD Constructions, BMD Urban, Empower, JMac and Urbex.

Leading the way in our approach to collaboration, BMD delivers innovative and comprehensive solutions across civil construction, engineering design, residential and industrial land development, project management consultancy, landscape construction and maintenance, and building construction.

By drawing on the skills and capability of the BMD business to approach projects as a single unit, margin on margin costs are eliminated, local resources are leveraged and program delays are met with constructible solutions, delivering certainty for an expedited delivery and a high-quality finish.

BMD continues to grow to deliver a record pipeline of work, with an employee base of more than 2,600 people.

# OUR AVIATION EXPERIENCE

From Brisbane to Bendigo, BMD connects and transforms communities through our extensive aviation experience.

- AIRSIDE
- LANDSIDE

## 1 DARWIN INTERNATIONAL AIRPORT

- High Voltage System Upgrade
- Aerobridge Infrastructure Early Works
- Bays 11, 12 And Apron Lighting Upgrade
- Sewer Pump Station

#### 2 RAAF BASE TINDAL

- AIR 7000 Phase 1B, Triton Remotely Piloted Aircraft System Facility Project
- RAAF NACC Tindal Civil Roads and Aircraft Taxiways
- Airfield Works and Associated Infrastructure - Taxiway and Runway Upgrades - T19A/B
- Runway and Taxiway North
- 3 AYERS ROCK AIRPORT
- Airport Upgrade

## 4 TOWNSVILLE INTERNATIONAL AIRPORT

- Regular Passenger Transport
   Apron Development
- 5 ROCKHAMPTON AIRPORT
- Apron and Taxiway works

## **6** BRISBANE AIRPORT

- Brisbane Airport A1 and A9 Threshold Reconstruct Project
- Airport Village Stage 4a
- Bus Charging Maintenance Facility
- Domestic Northern Apron Expansion -Stage 2
- Hotel Taxiway Code E Upgrade
- Dryandra Road Gap Surcharge Works Recycled Water Supply
- Road Remediation Package
- O Central Parking Area Staff Car Park
- Domestic Hotel and Sewer Trunk
   Infrastructure
- O Domestic Terminal P1 Level 3
- Industrial Park Stage 1
- O Industrial Park Stage 2
- O Domestic Southern Apron Expansion
- Domestic Northern Apron Expansion
- International Terminal Apron Expansion Bays 69-71

- New Parallel Runway Phase 1 -Reclamation Works Projects
- New Parallel Runway Phase 2 -Airfield Works
- New Parallel Runway Stage 1 -Civil Works
- New Parallel Runway Close Out Package
   1, Pavements And Miscellaneous
- Southern Apron Expansion
- O CPA and Acacia Street Car Park

## 7 RAAF BASE AMBERLEY

C17 Maintenance Facility

### 8 OAKEY ARMY AVIATION CENTRE

- P0007 National Airfields WorksPackage 3
- 9 RAAF BASE RICHMOND
- P0010 National Airfield Works

## 10 SYDNEY AIRPORT

- Seventh Street Extension
- Sir Reginald Ansett Drive Reconfiguration
- Qantas Drive



Stage 2 Upgrade

We achieve high-performance outcomes within stringent regulatory frameworks, supported by a thorough understanding of operational and interfacing environments.

BMD delivers complex aviation infrastructure across major and regional airports, including:

AGL and navigation systems

Airside and landside civil upgrades

Car parks, road networks and utilities

High-performance airfield pavements

Runways, taxiways and aprons

Terminal precinct infrastructure





## WESTERN SYDNEY INTERNATIONAL (NANCY-BIRD WALTON) AIRPORT, NEW SOUTH WALES

**Client: Western Sydney International Airport** 





## TERMINAL AND SPECIALTY PACKAGES (APRONS SUBCONTRACT)

\$146 million

Finalist in the CCF NSW Earth Award project value \$75 to \$150 million category (2025)

Finalist in the Engineers Australia Project of the Year Award (2025)

As part of Australia's first greenfield airport development in more than 50 years, BMD was engaged by Multiplex to deliver the design and construction of the airside apron and associated civil infrastructure at the Western Sydney International Airport.

BMD was responsible for the full design, supply, installation, and certification of the apron infrastructure spanning the interface between the terminal building and the taxiway. This included coordination with multiple contractors across the broader precinct and the delivery of complex works for a highly regulated airside environment.

#### **PROJECT SCOPE**

- Delivery of extensive concrete and sealed pavements using materials produced on site.
- Placement of significant volumes of structural fill, cement-treated base and concrete through on site production facilities.
- Integration of substantial sawcut and sealed joints, dowels and steel reinforcement to ensure long-term durability.
- 2.5 kilometres of reinforced concrete drainage pipes as well as stormwater pits and oil interceptor tanks.
- Full pavement subsoil drainage network with integrated flame trap pits.
- 30 kilometres of underground conduits for electrical and communication services.

- Fire and potable water mains.
- Concrete backfilled trenches and utility pits.
- Installation of high mast floodlights and apron line marking.
- Design, fit-out and certification of apron infrastructure and furniture.
- Integration of apron systems with surrounding terminal and taxiway interfaces.

### **OUTCOMES**

- Delivered a durable, fit-for-purpose apron pavement using reduced materials, recycled water, and a low embodied carbon concrete mix developed in collaboration with design partner Beca and supplier Holcim.
- Achieved a 5 Star Green Star (Best Practice) rating under Design and As Built v1.3: 4 Stars, and a minimum of 65 points for an "Excellent" rating under the Infrastructure Sustainability Council's IS v1.2 framework.

A key enabler of success was our self-perform capability, centred on the early mobilisation of the on site pugmill and batch plant.

Establishing production facilities on site allowed the project team to control the supply of high-quality cement-treated base and concrete, removing reliance on off-site deliveries and providing flexibility to meet daily program requirements.

# WESTERN SYDNEY INTERNATIONAL (NANCY-BIRD WALTON) AIRPORT, NEW SOUTH WALES

**Client: Western Sydney International Airport** 



### LANDSIDE CIVILS AND BUILDINGS PACKAGE

## \$382 million

- Earthworks, drainage, sitewide utilities and services.
- Construction of airport operations, transport and maintenance facilities.
- Construction of a 12 kilometre road network and three bridge structures.
- Installation of state of the art technology and sitewide systems including communications, security, emergency response, management, wayfinding and signage.

## SYDNEY AIRPORT, NEW SOUTH WALES

**Client: Sydney Airport Holdings** 



## **QANTAS DRIVE**

\$16.3 million

Won Engineers Australia Australian Engineering Excellence Awards Project Management category (2018)

- Qantas Drive to three lanes in each direction, including associated turning lanes and major earthworks.
- Construction of new full-depth concrete pavements and installation of steel gantry and signage structures with supporting footings and traffic signals.
- Decommissioned, relocated and installed utilities including gas, telecommunications, water, stormwater, electrical, communications and CCTV.
- Construction of new pavement and installation of aeronautical ground lighting systems.

## ADELAIDE AIRPORT, SOUTH AUSTRALIA

**Client: Adelaide Airport Limited** 

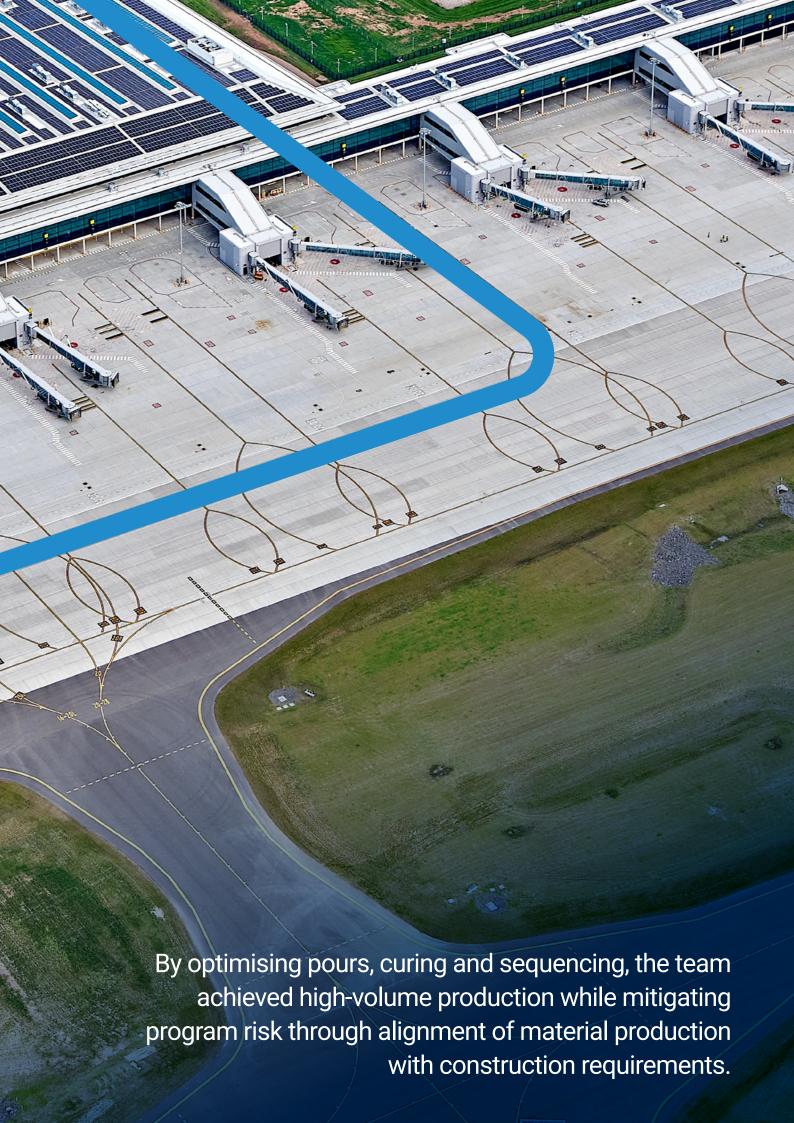


## HIGH VOLTAGE SYSTEM UPGRADE

\$1.4 million

- Airfield widening works at Adelaide Airport, including subgrade preparation, cement-treated pavement layers, asphalt placement and service trenching.
- Upgraded airfield infrastructure including new taxiway lighting and improved signage hydroseeding and line marking, improving safety and compliance.
- Achieved project completion on time and within budget, while minimising operational impact through nightshift works.





# 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.

## **LONG-TERM PARTNERSHIPS**

Over the past two decades, BMD has built a strong partnership with the Brisbane Airport Corporation, delivering more than 30 separate packages and over \$800 million in infrastructure.

Our proven track record in project delivery at Brisbane Airport has given us a thorough understanding of the airport interface, operational requirements and stakeholder expectations.

This depth of knowledge positions BMD as a trusted partner, proven in executing complex works to the highest standard in live airport settings while maintaining seamless operations.



### **NEW PARALLEL RUNWAY PHASE 2**

\$430 million delivered in joint venture

Won QLD Major Contractors Association Awards Project of the Year over \$100 million (2020)

Won CCF QLD Earth Award project value over \$25 million (2020)

Won CCF QLD Earth Award Project Manager of the Year (2020)

Won CCF QLD Earth Award Site Supervisor of the Year (2020

Finalist Engineers Australia Australian Engineering Excellence Industry Award (2020)

- Constructed a new 3.3 kilometre, 60 metre-wide runway with parallel taxiways and supporting infrastructure, along with a 12-kilometre taxiway system featuring entrance, rapid exit and intersection departure runways.
- Completed bulk earthworks, airfield pavement construction and additional infrastructure works including navigational aids, lighting, utilities, signage, drainage, landscaping and security fencing.
- Procured a local quarry to deliver over 600,000 tonnes of fine crushed rock during off-peak hours, reducing 20,000 truck deliveries during peak airport operation periods.



## BRISBANE AIRPORT A1 AND A9 THRESHOLD RECONSTRUCT PROJECT

\$7.3 million

Won CCF National Earth Award project value \$5 to \$10 million category (2025)

- Removal and replacement of existing concrete pavement while maintaining full airside operations.
- Asphalt inlay and targeted concrete repairs to extend pavement life, with works undertaken during temporary and extended "displaced threshold" arrangements to maintain airside operations throughout construction.
- Construction of new pavement and installation of aeronautical ground lighting systems.

## **MELBOURNE AIRPORT, VICTORIA**

## **Client: Australian Pacific Airports (Melbourne)**





### **LONG-TERM CARPARK**

## \$5.4 million

- Major civil works to deliver 4,500 car spaces, including bulk earthworks, pavement construction, bus route infrastructure and structural supporting elements.
- Installed critical services and amenities, including lighting towers, CCTV systems, substations and supporting electrical works.

### SHARPS ROAD RETARDING BASIN

\$5 million

Finalist in the CCF VIC Earth Award Project Value \$5 to \$10 million (2025)

- Demolition, temporary water diversion, bulk earthworks, and reuse of site-sourced rock for scour and benching protection.
- Construction of key water management infrastructure, including a sediment pond, two bio-retention basins, stormwater drainage and precast box culverts.
- Structural works including a curved weir wall, culvert slabs, stormwater pit modifications and dam embankment wall construction.

## DARWIN INTERNATIONAL AIRPORT, NORTHERN TERRITORY



## **Client: Darwin International Airport**

## HIGH VOLTAGE SYSTEM UPGRADE

\$3.4 million

Won Building and Construction Excellence Award National Civil Infrastructure project value under \$10 million (2006)

 Critical electrical and civil works including high voltage main ring upgrade, installation of substations, communication pits and live electrical connections and diversion of water and sewer mains to support future demand.

# 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 major airfield infrastructure upgrades at RAAF Base Tindal in the Northern Territory, 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.



**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



# RURAL AND REGIONAL AIRPORTS





Kangaroo Island Council SA \$8.5 million

Won Australian Airports Association Airport Industry Awards Corporate Project of the Year - Small Regional Airport (2018)

Won Australian Airports Association Airport Industry Awards Regional Project of the Year (2018)

Won CCF SA Earth Award project value \$5 million to \$10 million (2019)

- Extended the existing runway, realignment and overlay of associated taxiway and apron pavements and construction of a new terminal, including upgraded cargo processing facilities.
- Located on an island of less than 5,000 people, strong focus on utilising local subcontractors and suppliers throughout project delivery, with 77% of local spend in South Australia and 16.2% directly on the island.



## **BUSSELTON MARGARET RIVER AIRPORT APRON EXTENSION**

City of Busselton WA \$10.7 million

- Design and construction works including pavement widening to improve airport operation flexibility, an additional apron area for Fokker 100 aircraft and increased aircraft parking.
- Installed essential airfield infrastructure including lighting and electrical services, drainage improvements and enhanced operational flexibility through relocation of navigation aids.



### MOUNT HOLLAND AERODROME

(Covalent Lithium)(WA)(\$12 million

- Constructed an aerodrome at Covalent Lithium's mine site which included a 1.6-kilometre sealed runway and 140 metre long sealed taxiway, apron pavements, bulk earthworks, aerodrome lighting and communication facilities to provide fast and direct access to the mine site.
- Managed water scarcity in region through utilisation of a stabilising machine, which controlled water input into the pavement layers, resulting in one layer of cement stabilising instead of two.



## PORT HEDLAND INTERNATIONAL AIRPORT TAXIWAY AND RUNWAY RESURFACING

(Port Hedland International Airport ) (WA ) (\$14.8 million)

- Pavement construction works at Port Hedland International Airport including excavation and removal of existing pavement, taxiway and apron upgrades and an asphalt overlay on the main runway to enhance airfield functionality and support future capacity.
- Successfully managed a 24-hour work site, ensuring the airport remained operational and with no disruptions to scheduled flights.



## **AYERS ROCK AIRPORT UPGRADE**

(Downer) (NT) (\$4.5 million)

- Completed airfield upgrades including asphalt overlay, new pavement construction, apron extensions, pavement marking and installation of airfield ground lighting.
- Mitigated logistical challenges of a remote site and construction during wet season by securing and mobilising haulage fleets used for importing of pavement materials 7,500 kilometres from site ahead of schedule, to maintain project timelines.



### **BENDIGO AIRPORT UPGRADE STAGE 2**

(City of Greater Bendigo)(VIC)(\$15 million)

Won Australian Airports Association National Airport Industry Awards Airport of the Year - Small Regional Aerodrome Award (2017)

Won CCF VIC Earth Award project value \$10 million to \$30 million (2017)

- Delivered a new runway with upgraded taxiways and aprons to support larger passenger aircraft.
- Major earthworks, subgrade construction, airfield lighting installation and line marking across key airside areas.
- Improved pavement strength through innovative material stabilisation, reducing costs and enabling an additional taxiway to ease congestion.



## **ROCKHAMPTON AIRPORT APRON AND TAXIWAY WORKS**

(Alliance Airlines) (QLD) (\$18 million

Won Australian Airports Association Corporate Project of the Year Award - Large Regional Airport (2022)

Finalist CCF QLD Excellence Awards Collaborative Project of the Year (2023)

Civil works for a new maintenance facility including an aircraft hangar pad, Code E compliant apron and taxiway connection and supporting landside infrastructure including an 80-space car park.



## TOWNSVILLE INTERNATIONAL AIRPORT REGULAR PASSENGER TRANSPORT APRON DEVELOPMENT

Queensland Airport Limited QLD \$10 million



Finalist Australian Airports Association Airport Industry Awards Corporate Project of the Year - Major Regional Airport (2018)

- Delivered airside resurfacing and expansion works to upgrade the apron and two Code C aircraft parking bays.
- Complex pavement and drainage works including pavement excavation and reconstruction, asphalt works, contaminated material treatment, installation of stormwater pits and pipes to support heavier aircraft and line marking.





# DEFENCE

Through a strong understanding of Defence compliance requirements and our proven in-house delivery capability, we construct and maintain critical aviation infrastructure that supports Australia's defence operations and national security.



## **RAAF BASETINDAL**

Department of Defence NT \$500+ million (across four major work packages since 2021)

Won CCF NT Earth Awards Project Value over \$150 million category (2024)

Finalist Defence Connection Australian Defence Industry Awards Subcontractor of the Year (2024)

BMD has delivered four major work packages at RAAF Base Tindal, enhancing the base's operational capability and supporting advanced aircraft and drone operations.

### **PROJECT SCOPE**

- apron, runway and taxiway upgrades and new operational platforms
- earthworks, new roads and associated services including enhanced stormwater systems
- facilities for advanced aircraft and remotely piloted drone fleets
- enhancing surveillance and air-to-air refuelling capabilities to support strategic Defence operations.



"BMD was engaged by Sitzler to deliver a major landside and airside civil and aircraft pavement package on the RAAF AIR7000 Phase 1B project. BMD's project delivery team have demonstrated high-level expertise and professionalism while always remaining collaborative and working in the best interests of the project to meet the program requirements."

# **AVIATION**



## P0010 NATIONAL AIRFIELD WORKS AT RAAF BASE **RICHMOND AND HMAS ALBATROSS**

(Department of Defence ) (NSW ) (\$190 million

- Construction and replacement of rigid and flexible pavements, including major asphalt works across runways, taxiways and aprons.
- Renewal of key airfield systems, including drainage, lighting and compliance upgrades, along with runway grooving and line marking.
- Management of contaminated land and water, including PFAS and asbestos.



## AIR555 - AIRBORNE INTELLIGENCE, SURVEILLANCE, **RECONNAISSANCE, ELECTORNIC WARFARE -CIVIL PACKAGE 1**

Delivered on behalf of head contractor Lendlease

Defence Housing Australia SA \$22.7 million

- Delivered extensive civil and airfield works, including 10,000m2 of airside pavements, specialist infrastructure for explosive ordnance and PFAS-contaminated soil remediation.
- Implemented complex civil solutions including flame trap infrastructure, stormwater quality systems, and retrofitting aircraft tie-downs in live apron areas maintaining operational continuity of the active defence zones.



## P0004 RAAF BASE AMBERLEY -NATIONAL AIRFIELDS MAINTENANCE PROJECT

Department of Defence QLD \$45.2 million

- Upgraded runways and lighting, including demolition, excavation, paving, resurfacing and replacement of lighting systems.
- Completed two days ahead of schedule, BMD's subgrade treatment eliminated the need for imported materials, saving the client \$300,000 and demonstrating efficient, cost-effective delivery.



## **RAAF BASE EAST SALE - P0007 NATIONAL AIRFIELDS MAINTENANCE**

Department of Defence VIC

\$86 million

- Delivered airfield upgrades at two Defence bases, including resurfacing, lighting and navigation system installation, drainage improvements and earthworks.
- Used customised staging and on site asphalt production to meet tight timelines, while safely managing PFAS-contaminated material.



# 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

BRISBANE AIRPORT A1 AND A9 THRESHOLD RECONSTRUCT PROJECT

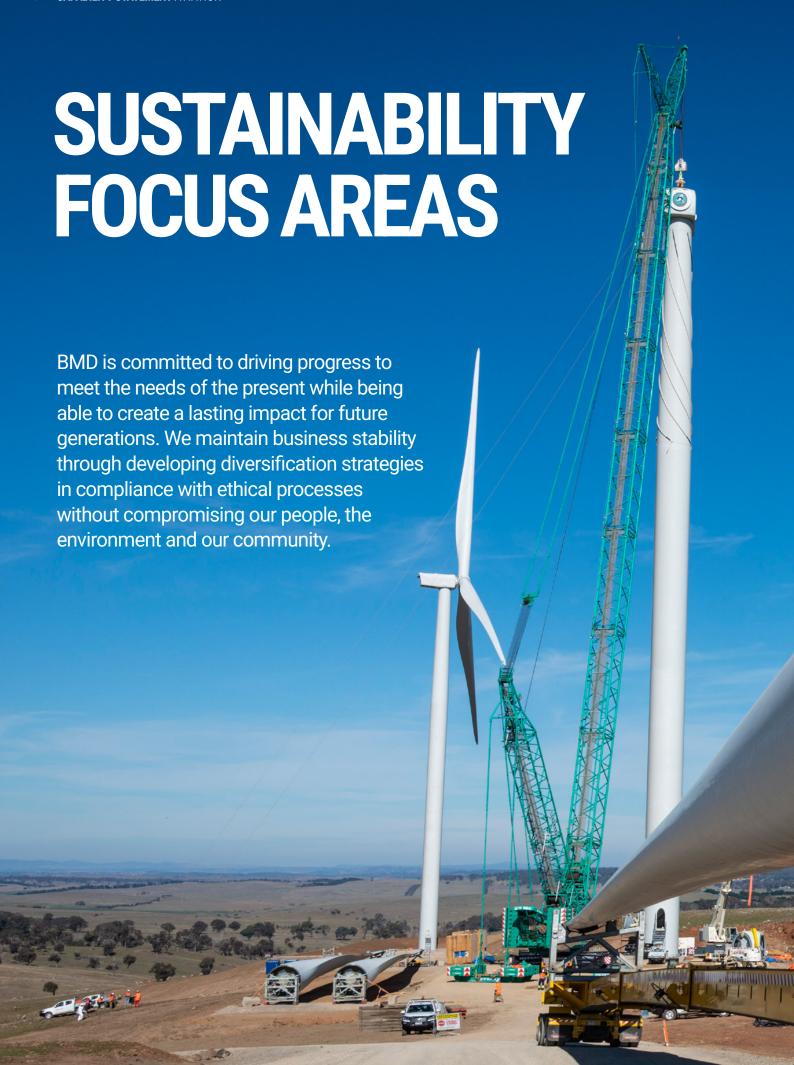
Implemented a remote-controlled vacuum lifting device to remove deteriorated concrete slabs at Brisbane Airport, which eliminated direct worker interface with operating machinery, reduced fall risks and mitigated silica exposure.





## **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."



and Indigenous partnerships.

and communities.



and protect biodiversity while mitigating

ecological impacts.













# SOCIAL ACHIEVEMENTS

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





