



EXPERTISE

**OUR EXPERTISE  
DEFENCE  
INFRASTRUCTURE**

CAPABILITY STATEMENT



## OUR COMMITMENT TO ZERO HARM

**AT BMD, THE SAFETY OF OUR PEOPLE, THE  
COMMUNITIES AND ENVIRONMENTS IN WHICH  
WE WORK HAVE BEEN A PRIORITY SINCE  
OUR INCEPTION IN 1979.**

Through our Zero Harm goal, BMD aims to ensure each and every person who comes into contact with our business remains safe and in good health whilst in our care. Jointly we are committed to minimising environmental harm through the implementation of best practice environmental management. Our Zero Harm goal encourages us to constantly strive to improve our Workplace Health and Safety standards. It allows us to remain vigilant and accept our individual responsibility for our actions, and the implementation and continual improvement of our safety and environmental systems and methodologies.

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# SPECIALIST CONTRACTOR FOR DEFENCE PROJECTS

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## VALUE FOR MONEY AND INNOVATIVE ENGINEERING WITH PROVEN EXPERIENCE IN MITIGATING RISKS

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### NATIONAL 1979 COMPANY — ESTABLISHMENT —

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#### LOCAL INVESTMENT IN PEOPLE, BUSINESSES AND THE COMMUNITY

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#### STRONG HEALTH, SAFETY, ENVIRONMENT, QUALITY AND COMMERCIAL SYSTEMS

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#### BMD DELIVERS ON

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PROVEN  
ABILITY  
TO WORK IN  
METROPOLITAN,  
REGIONAL AND  
REMOTE LOCATIONS  
THROUGH A NETWORK  
OF LOCAL OFFICES,  
SUPPLIERS AND  
SUBCONTRACTORS

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- | A PATH TO ZERO HARM
- | SPECIALIST INTEGRATED PROJECT TEAMS
- | QUICK AND EFFECTIVE DECISION MAKING





**BMD**

**1**

**OUR BUSINESS**



**3**

**WORKING IN SECURE  
AND OPERATIONAL  
DEFENCE ENVIRONMENTS**



**2**

**NATIONAL CONTRACTOR WITH  
INTEGRATED CAPABILITY**



**4** REMOTE AND REGIONAL  
INFRASTRUCTURE DELIVERY



DEFENCE SPECIALIST

**6**



**5** THE BMD WAY



A SELECTION OF  
RELEVANT EXPERIENCE

**7**



# OUR BUSINESS

BMD IS A NATIONAL GROUP OF COMPANIES ENGAGED IN ENGINEERING DESIGN, CONSTRUCTION AND LAND DEVELOPMENT FOR CLIENTS AND PARTNERS IN THE URBAN DEVELOPMENT, TRANSPORT AND INFRASTRUCTURE, AND RESOURCES AND ENERGY SECTORS.

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With approximately 1,700 staff throughout Australia, BMD has the resources and experience to deliver projects ranging in size from \$1 million to over \$1 billion.

BMD pride ourselves on our collaborative approach to business and using our integrated service delivery model to provide seamless and cost effective project outcomes for clients. Integrated services can be offered by BMD business units to achieve seamless and cost effective project delivery.

By capitalising on the offering of the Group across a range of market sectors, BMD maintains a strong foundation within the business for our people, our clients and our communities. Building on this foundation is key to our success and ensures that each of our business units can continue to offer tailored services for clients, both solely and in conjunction with one another.

BMD's multidisciplinary capabilities combine large components of civil works with smaller building works to deliver a wide variety of high quality, sustainable landscapes.





# THE BMD GROUP

BMD IS A NATIONAL GROUP OF COMPANIES ENGAGED IN ENGINEERING DESIGN, CONSTRUCTION AND LAND DEVELOPMENT FOR CLIENTS AND PARTNERS IN THE URBAN DEVELOPMENT, TRANSPORT INFRASTRUCTURE, AND ENERGY SECTORS.



**BMD Constructions** offers civil construction services for major infrastructure projects throughout Australia. Expertise, experience and resources are applied across the industry sectors of transport, water, rail, port, resources and energy. The company engages in projects ranging in value from \$1 million to in excess of \$1 billion as a principal contractor and in joint venture with other major contractor and design partners.



**BMD Industrial**, a division of BMD Constructions, is managed by a group of highly experienced industry executives who assemble professional project teams to deliver structural, mechanical, piping and electrical solutions for a diverse range of clients and industries.



**BMD Urban** is a specialist civil and building contractor to the urban development industry. The company draws on significant industry experience and utilises management systems, delivery methodologies and a relationship based approach that is specifically tailored to the needs of this industry. Integrated services can be offered in partnership with Empower Engineers & Project Managers, JMac Constructions and Urbex to achieve seamless and cost effective project delivery.



**Empower Engineers & Project Managers (Empower)** provides superior civil, structural and geotechnical engineering design and project management services. Empower's experience includes residential, commercial and industrial developments, infrastructure, and resource and energy projects across metropolitan, regional and remote areas. Key services include planning and feasibility studies, road infrastructure design, flood studies, land development and services design, water quality and stormwater management, structural engineering and shoring, and foundation design.



**JMac Constructions (JMac)** specialises in all aspects of landscape construction including residential, commercial, industrial, public infrastructure, environmental rehabilitation and long term care and maintenance. From street scapes, boardwalks, buildings, public structures public structures, stone entry statements, playgrounds and parklands, JMac has the ability to successfully construct and create unique landscapes of all shapes and forms.



**Urbex** is an innovator in residential and commercial development, undertaking wholly owned projects and joint ventures in developments of varying scale and size. Harnessing leading talent in project structuring, planning, management, delivery and marketing, Urbex delivers excellence in the creation of new communities to meet the lifestyle needs of Australians today and into the future.

WE SEE OUR STRENGTHS IN THE QUALITY  
OF OUR PEOPLE AND OUR GENUINE  
RELATIONSHIPS WITH CLIENTS, PARTNERS  
AND COMMUNITIES.

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WE SEE OUR SUCCESS LINKED TO OUR  
ABILITY TO DELIVER CERTAINTY THROUGH  
CONSISTENT PERFORMANCE AND  
COLLABORATION.

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WE SEE OUR FUTURE SHAPED BY ALL THAT  
HAS MADE US SUCCESSFUL IN THE PAST.

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OUR EXPERTISE  
DEFINES INFRASTRUCTURE

# NATIONAL CONTRACTOR WITH INTEGRATED DELIVERY CAPABILITY

WE HAVE VAST EXPERIENCE IN DELIVERING DEFENCE PROJECTS ACROSS AUSTRALIA, AND WITH A NATIONAL FOOTPRINT AND OPERATIONS IN EVERY STATE AND TERRITORY, WE HAVE ACCESS TO TEAMS OF TRAINED AND QUALIFIED PROFESSIONALS WITH SPECIALIST EXPERIENCE IN ALL ASPECTS OF DEFENCE WHO CAN BE QUICKLY DEPLOYED TO SUCCESSFULLY DELIVER A RANGE OF PROJECTS ENSURING BEST FOR PROJECT OUTCOMES.

The BMD Group employs a relationship based business model founded on certainty, collaboration and performance, which has stood the test of time and is what sets us apart from our competitors.

BMD's longevity in business has allowed us to take calculated risks to not only sustain growth, but to broaden our scope at a manageable pace. The private ownership of the Group facilitates a speed of decision making, that when coupled with financial strength and capability, provides outcomes of the highest possible mutual benefit for our clients.

Our business units are able to work both independently under a range of contract models or in collaboration across multiple BMD Group business units.

BMD's vertically integrated business model encompassing BMD Constructions, BMD Industrial, BMD Urban, Empower Engineers & Project Managers and JMac Constructions, allows us to provide a highly experienced, reliable project team to meet client requirements in all aspects of defence works.

This high level of integration optimises communications, provides reduced risks and allows the deployment of strong teams made up of designers, engineers, project managers and environmental and safety professionals for a technically experienced team.

BMD pride ourselves as a specialist to design, construct, upgrade and maintain defence infrastructure throughout metropolitan, regional and remote communities across Australia. This includes construction only or design and construct options for defence facilities including but not limited to runways, taxiways and aprons, services installations and relocations, stormwater, wastewater and pipeworks, as well as roads, training facilities, housing and landscaping.

BMD's difference is in our ability to self-perform works with an in-depth understanding of the scope and methodologies required on multi-disciplinary projects. BMD can deliver key components of projects including detailed scheduling, planning, resourcing and execution of critical activities, as well as early identification and mitigation of associated risks with consistency and certainty, no matter the location or project.





## BMD BRINGS A WEALTH OF EXPERIENCE WORKING IN SECURE OPERATING ENVIRONMENTS INCLUDING DEFENCE FACILITIES, AIRPORTS, PORTS, RAILWAY CORRIDORS AND RESOURCE TERMINALS.

Understanding the need to construct safely, while maintaining our client’s operations, means BMD is able to effectively stage works, delineate work sites, manage nearby stakeholders, and egress and ingress access from secure and operational areas, without incident.

Our experience within brownfield defence sites means we are well equipped to effectively understand the operational requirements of the Department of Defence. When working within an operational environment we utilise our collaborative contracting model, and no surprises approach, to communicate consistently and effectively with all stakeholders to ensure we are minimising the impacts of the construction on the ongoing operations of the sites we are working within.

By maintaining open, honest and cooperative communication we are able to carefully identify risks and opportunities, and implement mitigation measures to effectively manage the requirements of individual projects.

### WHAT SETS BMD APART IS OUR PROVEN TRACK RECORD IN MANAGING SECURITY CERTAINTY BY:



establishing and maintaining site perimeters



managing egress and ingress to airside sites



utilising trained personnel required for works



ensuring all personnel are equipped with appropriate approvals and licences.

## ROYAL AUSTRALIAN AIR FORCE BASE STAGE 2 CIVIL WORKS

EDINBURGH, SA | DEPARTMENT OF DEFENCE

The Royal Australian Air Force (RAAF) Base Edinburgh is an operational air base which accommodates two primary RAAF Groups, the Aerospace Operational Support Group and the Surveillance and Response Group.

The civil works undertaken on the project incorporated a number of elements including two new ordnance loading aprons, new passive defence measures and infrastructure services upgrades.

A key component included the construction of two 2,500m<sup>2</sup> concrete aircraft pavements using steel fibre reinforced concrete, which was a first for defence for aircraft pavements. BMD carried out two trial slabs and spent several months in planning and developing quality assurance controls. Numerous refinements in the methodology and design were adopted to ensure a positive outcome, including changes to concrete mix design, water misting curing, addition of plasticiser onsite and all night pours.

These works were conducted in a highly sensitive and secure space and to ensure the integrity of the operations, BMD facilitated the combined RAAF occupational health and safety and airside awareness and BMD induction process for all personnel working on the project. During this training, the team were provided with the environmental and safety requirements of the project and all site specific information to ensure they met the security and safety requirements. All personnel’s qualifications were verified and a detailed roster of all project inductees was maintained. The project team also appointed a number of supervisors who had undertaken the airside access course. All personnel working within the airside works areas were required to be accompanied by one of the qualified supervisors or a works safety officer.

Staging and security management was also paramount to ensure access to secure areas during the project was managed effectively. Traffic management and pedestrian access needed to be monitored, ensuring appropriate access, or limiting access to the work areas during set timeframes as required. Vehicle and personnel escorts were also implemented.

A number of mitigation measures were implemented including signage, lighting and fencing to ensure closed and limited access areas were highlighted. These were effectively managed by the project team through a series of toolbox talks, daily pre-starts and a thorough induction process which ensured any non-essential personnel were not granted access into areas.

# WORKING IN SECURE AND OPERATIONAL DEFENCE ENVIRONMENTS

## KEY OUTCOMES

- BMD effectively managed the program of works and staging to ensure the integrity and security of the site was maintained through segregated work zones which could be closed off during particular stages.
- BMD built excellent relationships with over 60 subcontractors, 40 suppliers and RAAF Base personnel resulting in unprecedented access rights for BMD.
- Delivered the project successfully and within the tight timeframe required by the RAAF.





# REMOTE AND REGIONAL INFRASTRUCTURE DELIVERY

WITH EXTENSIVE EXPERIENCE WORKING FOR CLIENTS IN A RANGE OF GEOGRAPHICAL AREAS, BMD UNDERSTANDS THE SPECIFIC CHALLENGES THAT CONSTRUCTING IN REMOTE AND REGIONAL COMMUNITIES PRESENTS INCLUDING ATTRACTING AND RETAINING SKILLED WORKERS, PROCUREMENT AND RELATED LOGISTICAL ISSUES, DELIVERY AND INCLEMENT WEATHER.

It is our experience working on projects and successfully mitigating these risks that has enabled our success in delivering infrastructure in regional and remote communities.

We are committed to supporting the communities in which we operate. We work in partnership with Indigenous and non-Indigenous organisations who embody our values to achieve long lasting benefits for regions. Since the Group's establishment, we have attributed many of our successes to the relationships we have been able to establish with local communities, clients, subcontractors and material suppliers.

## ROADS AND CIVIL INFRASTRUCTURE SHOALWATER

### BAY TRAINING AREA

NEWSTEAD, QLD | DEPARTMENT OF DEFENCE

BMD was engaged to complete construction works as part of the remediation and maintenance of a series of asset roads, non-asset roads and fire trails within the Shoalwater Bay Training Area (SWBTA) that incurred damage from training and exercises, seasonal weather activities, vehicle traffic, and general wear and tear.

Located on the Capricorn Coast in Central Queensland, the project was approximately 100 kilometres north of the closest town of Yeppoon.

### THE SCOPE OF WORK INCLUDED:

- re-sheeting and repair works of nominated asset roads, non-asset roads and fire trail
- reinstating any damage to pipes and headwalls
- clearing of all pipe crossings
- clearing of floodways and construction of rock scour protection
- reshaping portions of the non-asset roads to allow sheet flow
- re-trimming table drains that are damaged by erosion
- re-construct and remediate whoa-boys

BMD Constructions was required to manage a number of challenges on the project including the safety of all personnel and the surrounding environment. This included the appropriate management of environmental and climatic factors including the location of the site alongside a protected marine area and the potential for extreme weather conditions including the provision of appropriate evacuation plans from the remote location. The project team were also required to ensure the safe operation of plant and equipment on isolated and unsealed roads, and implemented extensive communications and lone worker policies to ensure the safety of all in an expansive site area.

The project team needed to comply with all site security requirements set out by the Department of Defence and provide appropriate access to the facility by managing access and egress.

### KEY OUTCOMES

- **The team successfully delivered the SWBTA works within a very tight timeline of 12 weeks, which enabled pre-planned training activities to take place in the area.**
- **Successful establishment and maintenance of a 60 man onsite camp and associated facilities.**
- **There were no environmental incidents on site, in a project location which was situated in a highly protected environmental zone.**
- **All gravels required for the works were produced from existing scrapes and quarries including blasting and crushing.**

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|---|---|----|--|----|--|----|---|----|--|
| 1 | Munarra Floodway Upgrade<br>Munarra, WA<br>Main Roads Western Australia   | 9  | Tindal RAAF Base<br>Tindal, near Katherine, NT<br>Defence Housing Australia                      | 17 | Hope Vale Infrastructure Project<br>Hope Vale, QLD<br>Queensland Government and Local Government | 24 | Bingegang Pipeline Relocation<br>Bingegang, QLD<br>Middlemount Coal                                       | 31 | Brooks Reach – North McPhails Phase 2<br>Horsley, NSW<br>Stockland Development Pty Ltd |
| 2 | Kumarina Bridges<br>Kumarina, WA<br>Main Roads Western Australia  | 10 | 1st Aviation Regiment Robertson Barracks Early Works<br>Darwin, NT<br>Department of Defence      | 18 | Laura Gravity Sewer<br>Laura, QLD<br>Department of Defence                                       | 25 | Caval Ridge Utilities Works<br>Moranbah, QLD<br>BM Alliance Coal Operations and Bechtel Australia Pty Ltd | 32 | Shell Cove<br>Shell Cove, NSW<br>Australand Corporation (NSW) Pty Ltd                  |
| 3 | Fortescue River Bridge Replacement<br>Marble Bar Road, WA<br>Main Roads Western Australia   | 11 | Civil and Associated Infrastructure Works RAAF Darwin<br>Darwin, NT<br>Defence Housing Australia | 19 | Lakeland Solar and Storage Plant<br>Lakeland, QLD<br>Kawa Australia Pty Ltd                      | 26 | Roads and Civil Infrastructure Shoalwater Bay Training Area<br>Newstead, QLD<br>Department of Defence     | 33 | Crookwell Two Wind Farm Stage Two<br>Crookwell, NSW<br>Crookwell Development           |
| 4 | Djarandjin, Lombadina, Beagle Bay and Ardyaloon Army Aboriginal Community Assistance Program<br>Dampier Peninsula, WA<br>19th Chief Engineers – Australian Army | 12 | Larapinta and Lovegrove Drive<br>Alice Springs, NT<br>Department of Infrastructure               | 20 | Port Douglas Reservoir<br>Port Douglas, QLD<br>Cairns Regional Council                           | 27 | Early Works, Diversion Lanes<br>Yamba, NSW<br>Roads and Maritime Services                                 | 34 | Bomen Links Roads and Underpass<br>Wagga Wagga, NSW<br>Wagga Wagga City Council        |
| 5 | Beagle Bay Community Internal Roads and Services<br>Beagle Bay, WA<br>Department of Defence   | 13 | Albrecht Oval Carpark<br>Alice Springs, NT<br>Alice Springs Town Council                         | 21 | Enhanced Land Force Stages 1 & 2<br>Townsville, QLD<br>Department of Defence                     | 28 | Hérons Creek<br>Hérons Creek, NSW<br>Roads and Maritime Services  | 35 | Olympic Highway - Kapooka Bridge<br>Kapooka, NSW<br>Roads and Maritime Services        |
| 6 | Bow River Bridge<br>Warmun, WA<br>Main Roads Western Australia  | 14 | Flinders Highway<br>Richmond to Julia Creek, QLD<br>Department of Transport and Main Roads       | 22 | Lavarack Barracks Redevelopment Stages 1 & 2<br>Townsville, QLD<br>Department of Defence         | 29 | Stingray Creek Bridge<br>North Haven, NSW<br>Waterway Constructions Pty Ltd                               | 36 | Pakenham Racecourse Stage 1 and 2<br>Pakenham, VIC<br>Pakenham Racing Club             |
| 7 | Daly River Solar Plant Stage 2<br>Daly River, NT<br>Power and Water Corporation   | 15 | Kowanyama Infrastructure Project<br>Kowanyama, QLD<br>Department of Local Government             | 23 | Grosvenor Civil Works<br>Moranbah, QLD<br>Anglo American Coal                                    | 30 | Ulan West Boxcut Services Infrastructure<br>Mudgee, NSW<br>Glencore (Xstrata)                             | 37 | Ballarat Racetrack<br>Ballarat, VIC<br>Greyhound Racing Victoria                       |
| 8 | Katherine Water Main and Sewer Headworks<br>Katherine, NT<br>Department of Infrastructure   | 16 | Badu Island<br>Badu Island, Torres Strait<br>Torres Strait Regional Authority                    |    |  |    |   | 38 | RAAF Base Edinburgh Stage 2 Civil Works<br>Edinburgh, SA<br>Department of Defence      |





**BMD IS PROUD OF OUR ABILITY TO BUILD LONG-TERM CLIENT RELATIONSHIPS AND SECURE REPEAT BUSINESS, WHICH HAS BEEN THE FOUNDATION OF BMD'S SUCCESS SINCE INCEPTION.**

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**OUR STRATEGY IS SIMPLE: VALUE OUR PEOPLE, COLLABORATE WITH OUR PARTNERS AND CONTINUE TO DELIVER EXCEPTIONAL PROJECTS WITH SUSTAINABLE OUTCOMES THROUGH EXPERTISE AND KNOWLEDGE SHARING.**

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## **LOCAL INDUSTRY PARTICIPATION**

**BMD's approach to business is firmly underpinned by a philosophy to 'support the local communities in which we operate' – a philosophy that was well established long before local industry participation initiatives were formally introduced.**

Building on this founding philosophy, BMD approaches each project individually, actively identifying opportunities for local community engagement and participation that will provide beneficial outcomes for the project team, client and local community alike. BMD's mission is to professionally manage our suppliers and subcontractors to achieve the best possible outcomes for our clients, including aiding in the development of the local industry.

## **COMMUNITY ENGAGEMENT**

**BMD has been committed to providing legacies to the communities in which we operate since our inception in 1979. As a family owned company, we understand the importance of investment in people and the development of local communities.**

BMD has established long-term partnerships with a number of organisations and also provides financial and value in kind support to a range of community based groups and partnerships including local golf days, school fetes, community days, charitable giving and sporting teams, and organisations across the country.

# THE BMD WAY



## INDIGENOUS ENGAGEMENT

**We work in partnership with Indigenous and non-Indigenous organisations who embody our values to achieve long lasting benefits in areas including health and wellbeing, arts and culture, job creation, environment, and social and community development.**

Our continued focus is on equal opportunities and increasing our commitment to Indigenous engagement across the Group to create a diverse workforce. We are formally committed to this through the implementation of our Reconciliation Action Plan. We have extensive experience working in regional and remote areas and within Aboriginal and Torres Strait Islander communities. Our policies, plans, initiatives and training programs support our commitment to provide equal opportunities. Over the past 10 years, we have worked diligently to engage and train Indigenous employees with the establishment of Indigenous participation plans on numerous projects.



## BUSINESS MANAGEMENT SYSTEMS

**BMD's management systems have the structure, depth and flexibility to guide the successful delivery of even the most complex of projects. The BMD Business Management System is designed to create an integrated approach to cost, time, quality, safety and environmental management. It is based on our philosophy and corporate policies, providing the necessary plans, procedures, training and reporting systems.**

## ENVIRONMENT

**Environmental management is a critical aspect to defence infrastructure delivery works. BMD has a strong reputation for proactively managing risks and working collaboratively with clients and environmental agencies to ensure we meet the associated industry best practice and legislative requirements. As good custodians of the land, we aim to protect and maintain the environments for generations to come.**

BMD is highly experienced in the implementation of erosion and sediment controls and has developed innovative techniques for this and airborne particulates, through temporarily stabilising areas using products such as polymer sprays. Effective waste management, recycling and minimisation of impacts to the local ecology and waterways are embedded as part of BMD's suite of environmental mitigation practices. Open and transparent communication with environmental regulators throughout Australia remains a focus for BMD.

### AWARDS INCLUDE:

2012 Engineers Australia Environment and Sustainability Award

2014 International Road Federation Global Road Achievement Award

Various Civil Contractors Federation Earth Awards

# A SELECTION OF RELEVANT EXPERIENCE

## NATIONAL AIRFIELDS MAINTENANCE WORKS

### RAAF BASE AMBERLEY

AMBERLEY, QLD | DEPARTMENT OF DEFENCE

THE ROYAL AUSTRALIAN AIR FORCE (RAAF) BASE NATIONAL AIRFIELDS MAINTENANCE PROJECT INVOLVED THE UPGRADING AND RENEWAL OF EXISTING RUNWAYS, TAXIWAYS AND CONCRETE APRONS, AS WELL AS SIGNIFICANT WORKS TO REPLACE AIRFIELD LIGHTING SYSTEMS.

BMD worked with the work safety officers (WSO) onsite to ensure site limits were clearly marked, and everyone was fully compliant and aware of foreign object debris control, as well as the access requirements for each of the seven work stages, and areas of the main and cross runways. BMD also worked closely with the WSO on the drafting of the method of work plan and notice to airmen to ensure everyone from ground staff to airmen were aware of the upcoming changes in access arrangements on base. Prior to moving into a new area of the airfield, detailed route maps were given to all BMD staff, subcontractors and delivery drivers to ensure nobody deviated from the route for security purposes.

Prior to the closure, BMD installed a temporary position approach path indicator on the main runway and temporary aircraft arrestors for the F18's on the main and cross runways.

Over a single weekend, BMD installed the displaced threshold equipment and all associated temporary line markings to Civil Aviation Security Authority specifications.

The full demolition and reconstruction of the runway pavement works took place in an extremely tight, eight week window prior to the Christmas period, with the airfield operating with a displaced threshold with constant aircraft movements throughout construction. The key challenge was the importation and placement of highly specified and technically demanding unbound, bound and asphaltic airport pavements and full quality certification within this tight timeframe. In order to achieve the requirements, the project needed to be carefully planned, with major suppliers and subcontractors requiring detailed daily schedules for manufacture, supply and incorporation from three to four months prior to the start of works.

The demolition works of the existing 60 year old concrete pavement were completed over a five day period of day and night shifts.

The spoil gravel material from the demolition works was relocated on base to extend a current hard stand area used for training purposes. This re-use saved money on the import of gravel material.

As a result of the detailed planning, up to 5,000 tonnes per day of pavement was placed and compacted to specification during the day, with full MARCO proof-rolling completed at night to maintain the program.

The airfield specifications took additional engineering to ensure the high aviation sector standards were met or exceeded. Ground conditions onsite were poor, with an extremely plastic subgrade and high water table. The works incorporated a combined lime/ cement stabilisation of the subgrade and several unbound pavement layers of flexible pavement.



## SCOPE OF WORKS INCLUDED

extensive asphalt resurfacing across 2.5 kilometres of taxiways and 2 kilometres of the cross runway

demolition and reconstruction of existing airfield concrete pavements on ordnance loading areas, aprons, taxiways and runways

full depth reconstruction of the main runway with flexible pavements.

Concurrent to the pavement upgrade, a full high intensity approach lights installation was occurring, requiring additional programming works at the airfield lighting equipment room. Prior to the opening of the main runway, BMD conducted a full flight test of the new high intensity approach lights installation and the new section of runway before opening the runway two days early.

Unfortunately due to the displaced threshold, the KC30 aircraft and maintenance crew had to deploy to Darwin for the eight week period. BMD and the Department of Defence liaised closely on the opening day of the runway to bring back the KC30 aircraft and maintenance crew two days early for Christmas.

## KEY OUTCOMES

- Within two days of the runway opening and on the project completion date, BMD officially handed over all quality assurance, operations and maintenance manuals and as-built drawings to the client, which had already undergone a design certification and approval from the onsite design verifier.
- BMD maintained effective working relationships with the client by adhering to contract time bars through the establishment of a register to identify due dates for all contract documents.
- The project was completed ahead of schedule and was a commercial success, with the client extremely satisfied with the performance throughout.





OUR EXPERTISE  
DRIVES INFRASTRUCTURE

**RAAF C17 MAINTENANCE FACILITY, AIRCRAFT APRON AND ASSOCIATED INFRASTRUCTURE**

**CPB CONTRACTORS, AMBERLEY, QLD**

**BATTLEFIELD AIRLIFTER BULK EARTHWORKS, CIVILS AND PAVEMENTS – AREA A**

**LAING O'ROURKE, AMBERLEY, QLD**

**CIVIL AND ASSOCIATED INFRASTRUCTURE WORKS RAAF DARWIN**

**DEFENCE HOUSING AUSTRALIA, DARWIN, NT**

**BLUEWATTLE STAGES 1-3**

**DEFENCE HOUSING AUSTRALIA, RASMUSSEN, QLD**

**ENHANCED LAND FORCE STAGE 2 WORKS PACKAGE C – TOWNSVILLE FIELD TRAINING AREA WORKS**

**DEPARTMENT OF DEFENCE, TOWNSVILLE, QLD**

**LAVARACK BARRACKS REDEVELOPMENT STAGES 1 AND 2**

**DEPARTMENT OF DEFENCE, TOWNSVILLE, QLD**

**TOWNSVILLE FIELD TRAINING AREA AIR WEAPONS RANGE**

**DEPARTMENT OF DEFENCE, TOWNSVILLE, QLD**

**RAAF BASE WILLIAMS APRON UPGRADE**

**DEPARTMENT OF DEFENCE, POINT COOK, VIC**

**1ST AVIATION REGIMENT ROBERTSON BARRACKS EARLY WORKS**

**DEPARTMENT OF DEFENCE, DARWIN, NT**

**BEAGLE BAY COMMUNITY INTERNAL ROADS AND SERVICES**

**DEPARTMENT OF DEFENCE, BEAGLE BAY, WA**

**DJARANDJIN, LOMBADINA, BEAGLE BAY AND ARDYALOOON ARMY ABORIGINAL COMMUNITY ASSISTANCE PROGRAM**

**19TH CHIEF ENGINEERS – AUSTRALIAN ARMY, DAMPIER PENINSULA, WA**







**BMD**

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