

# **MARINE DEMOLITION**



DEMEX is a privately owned complete solutions provider for industrial, resources, and civil projects requiring construction, demolition, and environmental services. Established over 25 years, our capacity to successfully deliver projects Australia-wide in difficult, and frequently remote locations, is predicated on an enduring commitment to excellence and diligent risk management.

Understanding each project is unique, DEMEX takes an approach that fosters innovation within the parameters of relevant industry, environmental, and health and safety legislation and codes. Delivering value to our clients is integral to the way we work, an approach evident in our astute governance of project costs, time, quality, safety, and the environment.

As project management specialists, we draw from our inhouse engineering and trade teams, integrating specialist subcontractors as required to deliver end-to-end solutions. Project teams are supplemented with Indigenous and local labour where appropriate, consistent with our corporate social responsibilities.

Our significant experience in bridge deconstruction means we appreciate the unique environment in which marine demolition occurs. Typically constrained by strict environmental conditions

and technical challenges, detailed demolition planning is required to ensure safe and effective project delivery.

Tailoring the approach according to each project's specific

needs, we integrate multiple demolition techniques and draw on the experience and skills of our team and marine project delivery partners.

Where underwater demolition capability is required, we utilise the diamond wire saw designed by one of our marine partners, which has the capability to cut up to 1500mm 350 steel piles.

Whether your marine demolition project involves a bridge over water or is located in a port environment, we are able to support you with all elements of the project, from planning through to completion. Our success in marine demolition is evident in the Bateman's Bay bridge demolition (NSW) and the Chinaman's Creek Bridge demolition, which was located within the Great Barrier Reef Marine Park, as well as the Port of Bundaberg project where we were commissioned to remove petroleum tanks from the port area.

#### **WHAT WE DO**

#### **PROJECT DELIVERY**

Project feasibility
Design
Engineering
Approvals
Programming
Costing
Execution
WHSEQ
Sustaining capital



#### **INDUSTRY**

Mining & Resources Industrial Health & Education Government Defence Property Building & Construction Civil



#### **CAPABILITY**

Feasibility Studies

Demolition
Remediation
Land Rehabilitation
Hazmat services
Civil engineering & bulk earthworks
Excavation
Environmental
Remote Sites

#### **TRACK RECORD**



#### BATEMANS RAY

Demolition of 307 metre old Batemans Bay Bridge across the Clyde River, which forms part of the Batemans Marine Park. comprising of ten spans with a 34 metre central steel vertical lift truss. The spans from 19 metres and 120 tonnes for the back spans to 37 metres and 210 tonnes for the truss spans.

\$11 M Gr

John Holland Group



### HAUGHTON RIVER

Part of the Queensland State Government's infrastructure upgrade of the Bruce Highway to for vehicle travel in the region. The works included demolition of a vehicle bridge over the Haughton River, Horseshoe Lagoon and Pink Lilly, in addition to two asbestos containing houses and batt house shacks.

\$1.9 M Ir

The Infrastructure Group (TIG)



#### CHINAMANS CREEK

Part of the \$123.7 million Cairns Southern Access Corridor. Works consisted of removal of prestressed concrete bridge deck units; relieving slabs; abutments; and piers consisting of headstocks and piles with pile encasements. The bridge needed to be removed in its entirety down to riverbed level.

\$0.95 M Gergiou



#### SCOTTY LOGAN LANE BRIDGE

Demolition of the Scotty Logan Bridge crossing Tallebudgera Creek. Waterway usage restrictions were needed to demolish the existing bridge and remove the concrete piers. the bridge was hoisted by crane after detaching. completed in 4 days.

\$0.1 M

Gold Coast City Council



# DALRYMPLE BAY STACKER ST1

Dismantling and removal of Stacker ST1 from the Dalrymple Bay Coal Terminal located approximately 40 kilometres south of Mackay. DEMEX responded to an urgent client request for the project to be delivered within two weeks, which the project team successfully achieved

\$2.7 M

G&S Engineering

**OUR CLIENTS** 

















# FACILITIES AND EQUIPMENT

DEMEX owns, operates and maintains a substantial fleet of construction and demolition plant and equipment from its head office location. Inhouse service capacity extends to float transport, transport permits and escort services, a servicing and maintenance workshop, mobile site service vehicles, and exceptional ongoing plant risk assessment and maintenance.

- Excavators 1.6T up to 62T with high-reach boom
- Attachments including various bucket sizes, pulverisers, steel sheers, rotating head and hamme
- · Prime movers and semi trailer
- Trailers including super bins & float

- Hook trucks and bins
- Dedicated service truck
- Fleet of light vehicles
- Articulated haul trucks, compaction rollers and telescopic handlers
- Mator Trucks

## **PEOPLE & CULTURE**



RICHARD TODD Company Director



TOBY SCHWENNESEN Project Manager



GARREN HOLDSWORTH Project Manager

We draw on the experience, skills, and commitment of our people to deliver projects safely and effectively for our clients. Many of our team, from directors through to labourers and operators, are long term DEMEX employees and bring decades of demolition industry experience to every project. This allows DEMEX to identify opportunities to realise economic value and deliver innovative project solutions for clients in challenging, remote, and complex environments.

Onsite project teams include project managers, site managers, site supervisors, labourers, operators, asbestos technicians, and third party contractors for specialist service areas.

Project estimating, planning, and management is undertaken by a core group of professionals located at DEMEX's head office in Yatala, with many of the team bridging both site and project management roles.

## SUSTAINABILITY STEWARDSHIP

Together with our delivery partners, we strive to conduct our business in an ethically, environmentally, and socially responsible manner. To support these practices as our business has matured, we have implemented the systems and processes that allow us to meet the standards expected by government and tier one clients, including independently accredited health, safety, environment, and quality systems. Additionally, we are committed to ensuring our key personnel are well versed in these systems and our commitment to addressing issues that are part of our sustainability commitments.

Demex maintains an outstanding sustainability track record, with our resource recovery solutions, including screening for waste minimisation, scrap metal processing and recycling, precious metal segregation and salvage, onsite crushing for reuse, and remediation techniques to reduce landfill exposure. Our environmental management approach is tailored according to project needs with outcomes achieved that exceed client expectations.

#### **COMMUNITY**

Our commitment to community is demonstrated in supporting local and regional businesses through ongoing additional costs such as maintenance supplies and services along with a range of professional services, community mental health initiatives, adherence to a robust code of ethics, and providing pre-vocational training opportunities for skilled and unskilled local labour.



# INDIGENOUS AND LOCAL ECONOMIC DEVELOPMENT

Acknowledging the importance of contributing to the economic development and capacity building of Indigenous Australians, Demexhas an Indigenous Employment Strategy (IES), which has been developed in conjunction with 100 percent owned Indigenous business, Stapleton Indigenous Solution (SIS). In the interest of providing both business and employment opportunities, our IES approach provides for:

- Procuring supply from local and Indigenous businesses, representing meaningful percent of total project spend
- Cross cultural training, both for the Demex crew and Indigenous contractors
- Project specific training for Indigenous contractors
- Delivery of Australian road safety and road rules training in language through our inhouse DriveAbout Workforce training program.















