

DARWIN SHIP LIFT

Project Bulletin March 2024




The Northern Territory Government is delivering the ship lift to establish Darwin as a thriving maritime services industry hub.

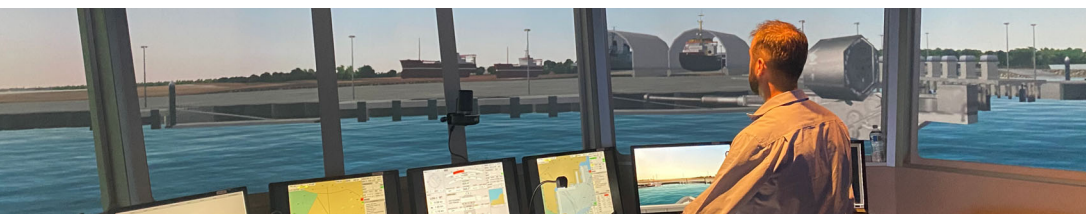
The ship lift will establish Darwin as a key maritime maintenance centre in Northern Australia and servicing South East Asia, and will capitalise on the Territory's strategic position in the Asia Pacific region.

The Defence industry is a key stakeholder and potential future user of the ship lift facility to support naval operations in Northern Australia.

Below is an update on how the Darwin Harbour Infrastructure Project (DHIP) team is continuing to progress the Darwin Ship Lift project.

Ship Lift activity progress

Activity	 Complete  Underway	Progress	Target completion
Site investigations activities (NTG)		100%	January 2023
Design contract awarded to WGA Consulting Engineers		100%	March 2023
Site WWII unexploded ordnance (UXO) clearance activities		100%	May 2023
Completing navigation simulations for the ship lift facility with WGA and Smartship Australia		100%	May 2023
Completing 3D hydraulic modelling of the ship lift facility design with WGA and Manly Hydraulics Laboratories		100%	May 2023
Scoping long lead items for ship lift and self-propelled modular transporter		100%	May 2023
International supply/early works market testing and hosted vendor workshops for ship lift and transfer systems		100%	June 2023
Gained final Ministerial environmental approvals with the Northern Territory Environment Protection Authority (NT EPA)		100%	August 2023
Early works contract tender, planning and release		100%	Q3 2023
Negotiated and awarded contract for construction		100%	September 2023
Gained Australian Government Environmental Approvals for <i>Environment Protection and Biodiversity Conservation Act</i>		100%	October 2023
Development Application submission		100%	November 2023
Heritage clearance activities		100%	December 2023
Development approvals and permits received		100%	February 2024
Early preparation works completed by CBJV: <ul style="list-style-type: none"> environmental approvals for site works locating utilities and underground services on site design of temporary works for construction 		100%	March 2024
Contracts for early construction works to be awarded, including: <ul style="list-style-type: none"> site surveying temporary site facilities plant and equipment hire quarry material (package 1) 		100%	Late-March
Long lead procurement items tender planning, procurement and award: <ul style="list-style-type: none"> ship lift system self-propelled modular transporter 		95%	Q2 2024
Procuring Principal Arranged Insurances for the works, marine transit and extreme weather		85%	Q2 2024



Activity	 Complete  Underway	Progress	Target completion
Contracts for construction works to be awarded, including: <ul style="list-style-type: none"> • sheet piles • precast concrete (partial) 		50%	April 2024
Tender released and contract award for independent financial auditor		50%	Q1 2024
Detailed design progress		75%	Q2 2024
Heritage interpretive signage project		10%	Q4 2024
Gain Defence Qualification for the facility		Ongoing	Q2 2025
Discussions with Defence Regional Maintenance Centre team in Darwin		Ongoing	Q2 2025
Operational Ship lift Facility		10%	2025

Early works and design continues for ship lift facility

Activities continue at the Darwin Ship Lift Facility for works to start on site as part of an early works stage of the project.

Head contractor Clough-BMD Joint Venture (CBJV) started establishing and mobilising to its Darwin office at East Arm in late 2023 and has been prioritising procurement for dredging, quarry material and steel supply among a range of other packages, many tailored to maximise local opportunity.

CBJV has completed preparation works including environmental approvals for site works, locating utilities and underground services on site and design of the temporary works for construction.

CBJV is working under an accelerated program and in April will start:

- surveying/setting out
- site clearance activities
- dilapidation survey
- temporary fencing
- preparing the dredge disposal ponds at East Arm Port.

The Department has progressed the ship lift design with project design team Wallbridge Gilbert Aztec (WGA) from its initial design to a final design.



The design has been developed through vigorous engineering, constructability and feasibility reviews to build a ship lift facility with five berths available for vessels.

WGA conducted more navigation simulation work (pictured right) to re-assess the improvements and revisions to the facility development layout, which have been considered to enhance the vessel manoeuvrability and operational efficiency.

The simulations were undertaken using a wide variety of vessels anticipated to use the facility and confirmed that the layout has improved vessel movements.

