

COMMON USER FACILITY



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The Common User Facility at Techport Australia is the centrepiece of the world-class maritime industrial precinct.

Techport Australia is a vibrant, world-class shipbuilding, defence and industry precinct developed by the South Australian Government. It is home to some of the country's largest defence contracts, including the \$8 billion Air Warfare Destroyer project and the multi-billion dollar, through-life-support contract for the Collins Class submarines.

The Common User Facility is a national strategic asset owned and operated by the Government of South Australia. The facility is spread over eight hectares at the heart of Techport Australia and includes a wharf, runway, dry berth, transfer system and the largest shiplift in the southern hemisphere. It will play a key role in assisting ASC to build the state-of-the-art AWDs and also support the delivery of future naval projects such as the assembly of Australia's next generation submarines.

In addition to the AWD project, the Common User Facility is available for commercial use where capacity permits. The site is ideally suited for vessel repairs and maintenance or consolidation of large equipment.

The facility is fully enclosed and compliant with Defence Security Authority requirements. Companies can utilise individual or multiple elements within the facility depending on the scope and scale of their project, and are able to engage their preferred contractors to complete works on-site.

The Common User Facility management system is certified by Lloyd's Register Quality Assurance to AS/NZS ISO 9001:2008 Standard, a clear demonstration of the facility's commitment to delivering the highest service standards for customers.

Crane on dry berth





FEATURES

Techport Australia features world-class common user shipbuilding facilities including a wharf, runway, dry berth, transfer system and the largest shiplift in the southern hemisphere.

Trestle and bogie



Wharf



Length: 213 metres

Width: 25 metres

Depth Alongside: 10.5 metres

Shore services for ships:

- industrial electrical (400 / 230V 50Hz) available from three service pits via portable transformers
- hotel electrical (450V 3 phase 60Hz) available from two service pits via customer supplied converters
- potable water
- compressed air (700 l/s at 860 kPa)
- communication/data points
- firemain
- seawater (supply): max supply rate 130 l/s at 1030 kPa
- sewer
- welding and cutting gases (LPG, argon, oxygen and carbon dioxide)

Load restrictions: Wharf can support cranes and other heavy vehicles weighing between 140 and 864 tonnes (total gross mass) depending on crane type and load distribution.

Shiplift



Runway, dry berth and transfer system



Length:	156 metres
Width:	34 metres
Lift capacity:	9,300 tonnes (or 130 tonnes per metre)
Max. vertical travel:	18 metres
Max. draught in SL:	9.5 metres approx (this is dependent on blocking requirements and location of ship's deepest point)

Shore services for ships on shiplift:

- industrial electrical (400 / 230V 50Hz) available from local transformer
- hotel electrical (4800A 450V 3 phase 60Hz) available from service pit via customer supplied converters
- potable water
- compressed air (700 l/s at 860 kPa)
- firemain
- seawater supply: max supply rate 130 l/s at 1030 kPa

The runway and dry berth are supported by a rail-based transfer system enabling vessel movement around the site and onto the shiplift. A full range of utility services are available from service pits located around the runway and dry berth.

Services comprise:

- electrical pits (11KV incoming supply fed from pits via transformers) comprising
 - 20 industrial electrical (400 / 230V 50Hz)
 - three hotel electrical (4800A 450V 3 phase 60Hz) via customer supplied converters
- 20 hydraulic pits comprising
 - potable water
 - seawater (supply and return): max supply rate 130 l/s at 1030 kPa
 - welding and cutting gases (LPG, Argon, Oxygen and Carbon Dioxide)
 - compressed air (700 l/s at 860 kPa)
 - sewer
 - firemain

Load restrictions: Majority of the runway and dry berth will support cranes/heavy vehicles with full load capacities up to 900 tonnes.

FUTURE EXPANSION

The Common User Facility is capable of expansion to meet future demand.

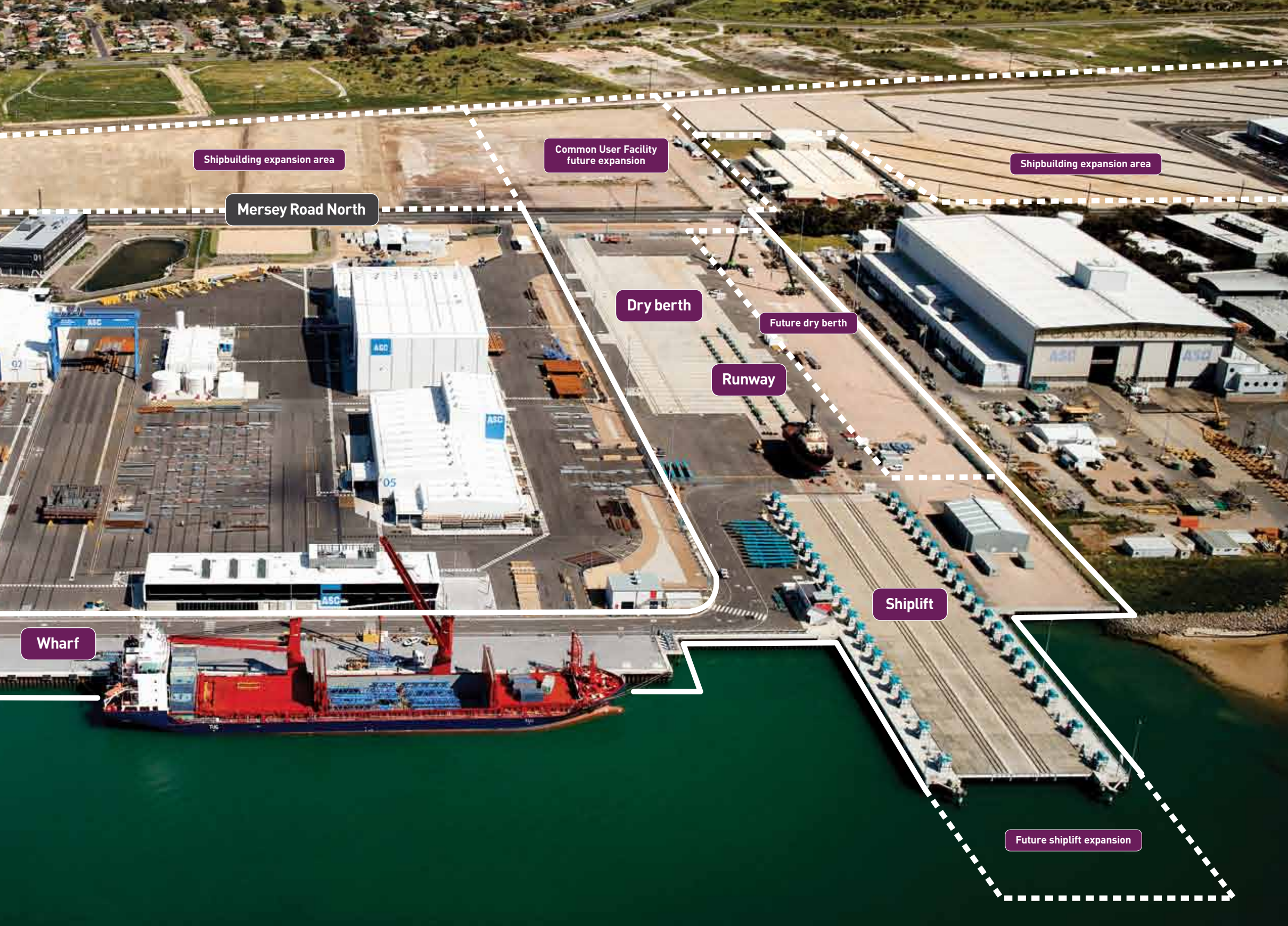
The Common User Facility has been designed with expansion in mind - to accommodate multiple primes and to enable the support of future naval shipbuilding and maintenance contracts.

The wharf is capable of expansion to support ships over 200 metres in length and the shiplift to 210 metres with a lift capacity of 22,000 tonnes.

Options exist to construct an additional dry berth to the north of the runway and/or to extend the runway and dry berth across Mersey Road North.

HMAS PARRAMATTA at the Techport Australia wharf





Shipbuilding expansion area

Common User Facility
future expansion

Shipbuilding expansion area

Mersey Road North

Dry berth

Future dry berth

Runway

Wharf

Shiplift

Future shiplift expansion

Disclaimer: Photos and diagrams are used for illustrative purposes and are indicative only. All written information is correct at the time of printing. All photos, diagrams and information is subject to alteration without notice.

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