



SHIPBUILDING PRECINCT

TECHNOLOGY PRECINCT

SUPPORT INDUSTRY PRECINCT

FABRICATION PRECINCT



AUSTRALIAN
MARINE
COMPLEX

WESTERN AUSTRALIA

AMC OVERVIEW

Home to the largest marine industry in Australia, the Australian Marine Complex (AMC) was developed to facilitate and enhance the opportunities created by the clustering of sectors servicing the marine, defence, oil and gas and resources industries.

The AMC is the southern hemisphere's premier integrated marine industrial facility that enables industry to deliver projects of an international scale.

Located at Henderson, 23 kilometres south of Perth, the capital of Western Australia, and on the shores of Cockburn Sound, the AMC provides protected deepwater harbours, world class multi-user load-out and fabrication facilities and is connected to industrial areas via high-wide load road access.

Latest additions to the AMC include a technologically advanced floating dock, a \$35 million service and supply base and a 200 metre RoRo and load-out wharf.

The AMC comprises four Precincts and two facilities:

- Shipbuilding Precinct;
- Technology Precinct;
- Marine Support Facility;
- Support Industry Precinct;
- Common User Facility (CUF); and
- Fabrication Precinct.

Since its opening in July 2003, the AMC has delivered more than 368 major infrastructure projects worth in excess of \$1.4 billion and generated more than 21,000 jobs.

PRECINCT AND FACILITY MAP

- ① SHIPBUILDING PRECINCT
- ② TECHNOLOGY PRECINCT
- ③ MARINE SUPPORT FACILITY
- ④ SUPPORT INDUSTRY PRECINCT
- ⑤ COMMON USER FACILITY
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AMC FLOATING DOCK

The floating dock is an integral part of the AMC's common use infrastructure and has assisted many industry sectors to deliver major projects. Since its commission in February 2010 the dock has lifted vessels for the defence, oil and gas and resources sectors.

The dock's control system makes it the most technologically advanced in the world.



Self-Propelled Modular Transporters move vessels of up to 4,500 tonnes onto a dedicated hard stand area for repair and maintenance activities.



SHIPBUILDING PRECINCT

The AMC Shipbuilding and Repair Precinct is one of the nation's largest and most capable commercial shipbuilding centres and is home to major Australian shipbuilders.

AMC shipbuilders lead the world building high-speed, light-weight vessels specialising in the production of 15 to 130 metre range.

The precinct also has significant vessel repair and maintenance capability which supports the burgeoning offshore oil and gas industry, visiting super yachts, tug boats, work boats, supply boats and military vessels.



The Western Australian shipbuilding industry specialises in building luxury super yachts, fast ferries, rescue, patrol, fishing, paramilitary and offshore supply vessels for local and export markets.





Photograph courtesy of Austal, Australia, 2011

MARINE SUPPORT FACILITY

Located within the AMC Shipbuilding Precinct, the Marine Support Facility provides substantial marine repair, refit and modernisation capability.

The Marine Support Facility is equipped with extensive dry-berth support infrastructure, including one of Australia's largest ship-lifts with a nominal lifting capacity of 8,065 tonnes.

The ship-lift is used for a wide range of commercial vessels and can accommodate ships up to 140 metres in length with 23 metre beams.

With the addition of the 12,000 tonne lift capacity floating dock located at the AMC-CUF, the AMC has the capacity and capability to meet a wide range of shipbuilding and vessel maintenance needs.

TECHNOLOGY PRECINCT



The AMC Technology Precinct is dedicated to fostering innovation, entrepreneurship and growth within the marine, defence, oil and gas and resource technology sectors.

Facilities at the Precinct enable innovation-driven small to medium enterprises from industry, academia, research and support organisations to develop and prosper through the establishment of strategic networks.

RAYTHEON

The Precinct is home to leading technology companies such as defence technology group Raytheon Australia, which moved its Systems Group into new purpose built headquarters. The new facility is Raytheon's primary location in Australia for naval systems, software design and engineering.

ACEPT

The Technology Precinct is also home to the Australian Centre for Energy and Process Training (ACEPT). Hosted by Challenger TAFE on behalf of TAFEWA, ACEPT is the leading provider of process operations training for the Australian oil and gas, mineral and chemical processing industries.

ACEPT offers certificates under the Australian Qualifications Framework and short courses designed to meet industry and individual client needs.

The \$21 million facility features state-of-the-art equipment including a wet lab, resource centre and process control room to provide students with hands-on learning in a real-life industry environment, by highly experienced training staff.

ACEPT graduates are job-ready with the qualifications and skills to enable them to make an immediate positive contribution to the workforce.

The AMC Technology Precinct's continual expansion will ensure it becomes a leading centre for innovation, research, education and technology development for the marine, defence, oil and gas, and resources sectors in Australia.



AMC JAKOVICH CENTRE – BUSINESS AND FUNCTION SUITES

The AMC Jakovich Centre, within the Australian Marine Complex Technology Precinct, provides a central meeting and networking point for representatives of industry, research organisations, education institutions and support service companies.

As a business centre, the facility provides professional function and conference suites to maximise commercial and networking opportunities. It can be used for training purposes, seminars, conferences, workshops, product launches and board meetings.

Equipped with the latest state-of-the-art audio visual equipment, the Centre offers three function rooms, a 16 seat boardroom, three meeting rooms and a cocktail bar with a balcony. All rooms are available for hire 24 hours a day, seven days a week and would make the ideal venue choice for small or large groups of up to 250 people.

The AMC Jakovich Centre operates as a delivery channel for relevant state government programs and services. It is a point of reference and information for the innovation community. It also provides a venue to facilitate interaction between industry service providers and clients.

For more information contact the Function Centre Manager on +61 8 9451 0888 or email functioncentre@techparkwa.org.au.



The Technology Precinct provides the facilities, environment and support for innovation-driven start-up and small to medium enterprises to prosper.

SUPPORT INDUSTRY PRECINCT

The AMC Support Industry Precinct is one of the key strengths of the Australian Marine Complex.

This Precinct is home to more than 150 specialist businesses including leading manufacturing, design and service companies which supply to national shipbuilding, defence, oil and gas and resources industries and export markets worldwide.

The Support Industry Precinct is zoned "Approved Industrial Purpose" which allows 24 hours, 7 days a week for a broad range of activities to be conducted for the marine, defence, oil and gas and resources industries - from paint and plastic extrusion to manufacturing propellers.

The Precinct is close to Perth's other heavy industrial zones with high-wide load roads providing direct and easy access.

The Precinct covers 38 hectares and provides serviced land in a variety of sizes for small to medium sized suppliers.

Ease of access and affordability are the key features of the Support Industry Precinct location.



SUPPORT INDUSTRY
PRECINCT



The proximity of the Support Industry Precinct provides real opportunities and synergies for companies keen to locate near major customers.

FABRICATION PRECINCT

The AMC Fabrication Precinct provides essential facilities to enable companies to secure and deliver major fabrication and assembly projects.

COMMON USER FACILITY

Located within the Fabrication Precinct is the Common User Facility (CUF) - a world class multi-purpose fabrication, assembly and load-out facility.

The CUF provides industry with:

- A protected deep water harbour.
- Dredged berthing pockets accommodating vessels up to 300 metres in length.
- Five wharves, one fitted with a 300 tonne load-out crane.
- Heavy load-out capability on three wharves.
- Main fabrication hall - an 80 metre x 60 metre x 42 metre with 200 tonne portal crane and two auxiliary cranes.
- 3,700 square metre fabrication hall with 20 tonne cranes.
- 1,000 square metre warehouse/fabrication hall and a 200 square metre workshop.
- 50 hectares of sealed and serviced laydown and construction area.
- A 99m x 53m Floating Dock with lifting capacity of 12,000 tonnes.
- A 512 wheeled Self Propelled Modular Transporter that can transfer up to 4,500 tonnes.

Major international companies including ENI, Shell, BHP Billiton, FMG, Woodside and Rio Tinto have all had significant infrastructure projects completed at the AMC-CUF.

Chevron has also based its metropolitan service and supply base for the Gorgon Project, one of the world's largest LNG developments at the CUF.

The significance and diversity of these projects demonstrates the CUF's capabilities in supporting local industries capabilities to undertake large scale projects.

The CUF's amenities support modular assembly of large projects for the marine, defence, oil and gas and resources industries.

SELF PROPELLED MODULAR TRANSPORTER

The AMC-CUF uses a 512 wheeled, Self Propelled Modular Transporter (SPMT) system to transfer vessels and modules around the facility.

The SPMT comprises 18 six-line trailer units, three four-line trailer units, three three-line trailer units, and four power packs and can be configured to suit any load.

Together with the floating dock, this new infrastructure will be used to transfer vessels and other heavy modules up to 4,500 tonnes between land and water including superyachts, oil and gas jackets, topsides and platforms, wharf decks, ship loaders, process plants and other large structures.

FLOATING DOCK

The AMC-CUF is home to the world's most technically advanced floating dock.

Measuring 99 metres x 53 metres, the AMC Floating Dock can lift vessels up to 12,000 tonnes out of the water for service and maintenance and transfer vessels up to 4,000 tonnes onto a hard-stand.

The dock will service Royal Australian Navy (RAN) vessels including the COLLINS class submarines and ANZAC class frigate fleets. It will also assist Western Australia's growing oil and gas industries and a range of major maintenance and build projects across the marine, defence, oil and gas and resources sectors.

The dock's substantial width provides flexibility to allow for the testing and maintenance of large subsea structures. The structures can be floated and submerged for testing which is an enormous capability for oil and gas industry clients.

The AMC Floating Dock and transfer system is so advanced that a 4,000 tonne vessel can be moved by just three people.

SUBSEA CLUSTER

Western Australia has established itself as a subsea oil and gas centre of excellence servicing Australia and the Asia-Pacific region.

The recently developed Subsea Cluster sits within the AMC Fabrication Precinct, providing a 20 hectare serviced estate for suppliers to the subsea oil and gas industry.

The Subsea Cluster provides access to common user lay-down, load-out, and assembly and fabrication infrastructure at the nearby AMC-CUF.





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