



*Artist impression of an Anzac class after the ASMD upgrade.  
Image courtesy of CEA Technologies.*

## **HMAS Perth undergoes major upgrade**

*HMAS Perth* is the first Anzac class ship to go through the Anti-Ship Missile Defence (ASMD) program at the Australian Marine Complex (AMC). It will act as a test case before other Anzac class ships are modified.

The ASMD program upgrade of the Royal Australian Navy's Anzac frigates strengthen the self-defence capabilities against modern anti-ship missiles.

*HMAS Perth* will undergo major work including an upgrade of the existing combat management system (CMS) to Mk3E; the operations room with new consoles and multi display system; installation of infra-red search and track (IRST) units; installation of a phased array radar system; and platform modifications to support further upgrades, including replacement of forward and aft masts.

The program is managed by BAE Systems, Saab Systems and the Defence Materiel Organisation (DMO) under an alliance contracting arrangement. An Australian company, CEA Technologies, has been contracted to design and build the innovative phased array radar technology.

BAE Systems Maritime Through Life Support General Manager Jason Beer said the company's work during the installation phase had created more than 150 highly skilled jobs at the Henderson base.

"The experience gained over the past five years of designing and developing this project has enabled BAE Systems Maritime Business Unit to enhance critical skills in complex maritime

combat systems integration and platform systems integration," Mr Beer said.

"These skills are crucial to maintaining the capability for the next generation naval programs such as the Future Frigate and the Offshore Combatant Vessel projects."

BAE Systems is expecting the majority of the work on *HMAS Perth* to be completed by October 2010, with extensive harbour and sea testing to take place until April 2011.

The upgrade to the entire Anzac class is planned to be completed by 2016, including the dockyard work which will take place at the AMC's Common User Facility.

For more information on the ASMD program visit [www.defence.gov.au/dmo/](http://www.defence.gov.au/dmo/) and search for ASMD.



*HMAS Perth is the first Anzac to undergo the ASMD upgrade.*

# Minister's foreword



It has been four months since I was sworn in as the Minister for Science and Innovation and I am looking forward to the challenges this position presents.

As an engineer, or applied scientist, I am passionate about my new portfolio.

One such area is the Australian Marine Complex (AMC). In my former life I was a partner in a strategic planning consultancy and have been involved in different elements of the

complex's development, so it has not taken me long to get up to speed on the AMC's current situation.

Being an engineer I understand the importance and value of infrastructure. The concept behind providing common use infrastructure that is available for use by all of industry, such as the AMC Common User Facility, is something I highly regard.

I will continue to encourage and assist the development of industry, innovation and technology in Western Australia as I believe strongly in the synergies that are being created.

I was very pleased to hear about the successful docking and lift of the first Royal Australian Navy's Collins Class submarine

on the AMC floating dock. *HMAS Farncomb* is now undergoing maintenance in ASC's undercover workshop.

While the dock was designed to be available for industry in general, specific consideration was given to the needs of ASC which will provide through-life support, maintenance and upgrade services to the Collins Class Submarines under a 25 year contract.

This lift marks the beginning of a long term relationship between ASC, the Royal Australian Navy and the WA Government.

There will be significant opportunities for Western Australian industry stemming from the 2009 Defence White Paper, some of which may feature the use of the AMC. The Department of Commerce is working closely with all parties concerned to ensure the State maximises every opportunity in the defence sector.

The AMC has made a significant contribution to the State's economy since it was established. This is growth that would otherwise have gone to other states or even overseas.

I look forward to visiting key companies within the AMC in my role as the Minister for Science and Innovation very soon.

**The Hon. Bill Marmion MLA**  
**Minister for Commerce; Science and Innovation**

## Vale Jock Ferguson

The recent passing of the Honourable Jock Ferguson MLC, Member for the East Metropolitan Region was noted with sadness and deep regret by those involved in the AMC.

During his time as State Secretary of the Amalgamated Metal Workers Union, Jock played a major role in the creation of the Australian Marine Complex Common User Facility (AMC CUF).

Jock was a strong supporter of the CUF concept.

He was an inaugural member of the Jervoise Bay Liaison Committee. The committee that was created by the government to oversee the fundamentals for the successful marketing and operation of the AMC CUF.

In particular, Jock played a critical role in the Industrial Relations Sub-Committee formed to establish a robust industrial relations framework and facility access for the CUF.

Jock's skills, knowledge and commitment combined with a great sense of humour were instrumental in the successful creation of the industrial relations policy for the CUF. This policy has been significant for the success of the CUF since 2003.

His strong belief in manufacturing and local content were important drivers that strongly influenced the AMC CUF Business and Marketing Plans.

The key role that the AMC CUF plays in fabrication for the resources sector today is a major legacy of Jocks.

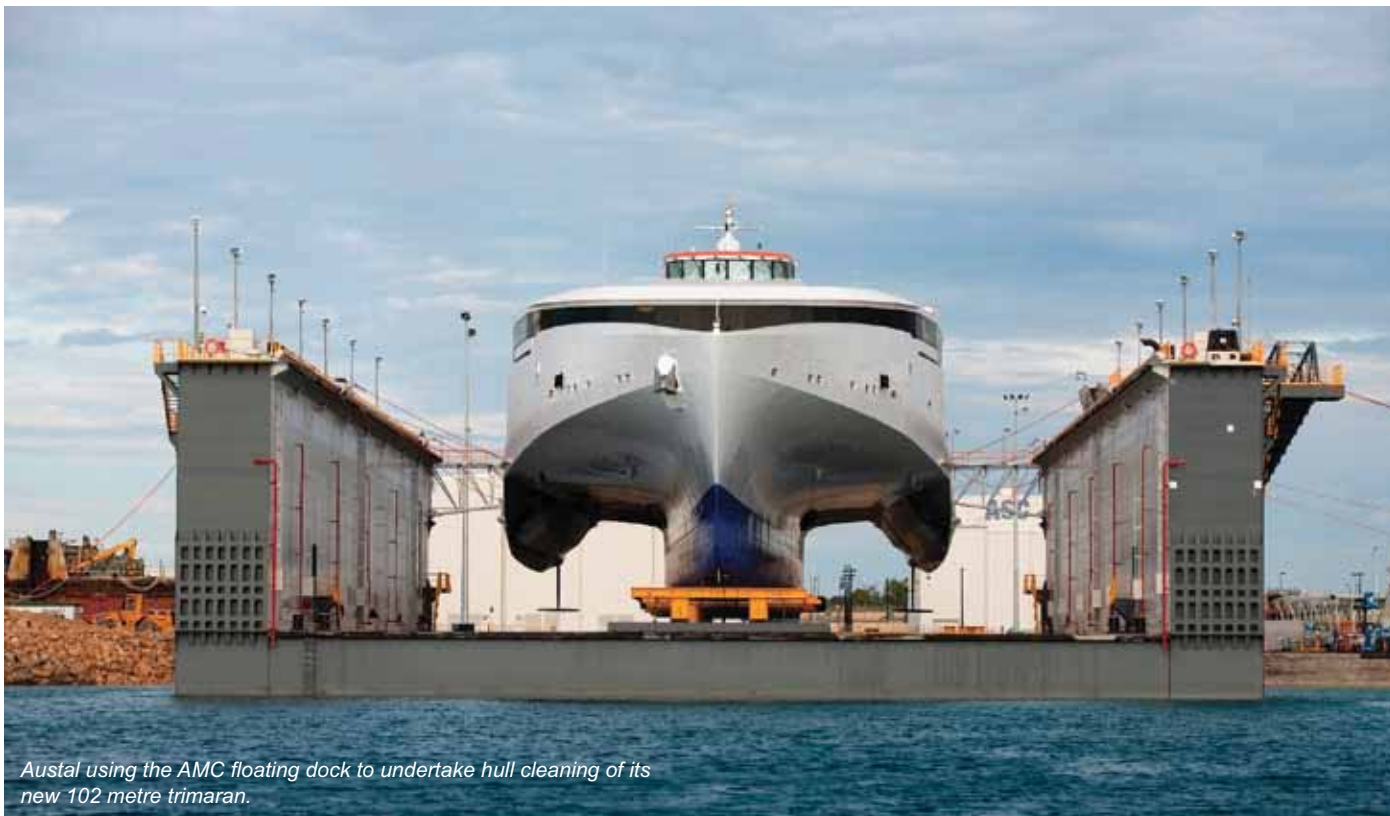


*Jock Ferguson promoting local content at the launch of the AMC floating dock in February.*

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# Floating dock in action



*Austral using the AMC floating dock to undertake hull cleaning of its new 102 metre trimaran.*

The world-class capabilities of Western Australia's new floating dock, Yargan, are being utilised by industry leading companies such as Austral and ASC.

The \$60 million floating dock, located at the Australian Marine Complex (AMC), is part of a four year \$170 million upgrade and includes the 512 wheeled self propelled modular transporter, the eastern wharf and a transfer wharf.

With a lifting capacity of up to 12,000 tonnes and ability to transfer vessels and modules up to 3,500 tonnes from water to land, the dock is an exceptional piece of infrastructure to enhance AMC's existing capabilities.

Australian submarine and shipbuilding company ASC has used the floating dock for its Western Australian submarine maintenance operations.

Managing Director and Chief Executive Officer of ASC Mr Steve Ludlam said the floating dock would ensure that ASC could continue to provide to the frontline of Australia's naval defence force by supporting the maintenance of the Collins Class submarines at the AMC.

"Along with land transfer capability and ASC's maintenance hall, the floating dock enables ASC to carry out maintenance on as many as three submarines at any one time," Mr Ludlam said.

"The floating dock complements ASC's \$35 million submarine support facility at the AMC."

The world's largest aluminium shipbuilder Austral, used the floating dock to undertake hull cleaning of its new 102 metre trimaran vehicle passenger ferry.

The floating dock's width makes it an ideal lifting platform to accommodate the latest innovations in vessel design, such as

the unique trimaran hullform. Austral's innovative new designs may feature in Australia's future Offshore Patrol Vessels identified in the 2009 Defence White Paper.

Austral's Director of Sales and Australian Operations Andrew Bellamy said the company was enthusiastic about the State's newest asset.

"Planning and performing annual dockings for large high speed craft is a significant part of Austral's growing vessel maintenance and management offering," he said.

"The floating dock ensures that Austral is able to offer a complete solution for new defence vessels based on the west coast, from design and manufacture, through to whole of life support."

The AMC floating dock will service the Royal Australian Navy, commercial shipbuilding, marine industry including superyachts and the testing of underwater subsea structures for the oil and gas industry.



*The first Collins Class submarine has been transported on the AMC floating dock.*

**the dock is an exceptional piece of infrastructure to enhance AMC's existing capabilities.**



*The Australian Marine Complex at AOG.*

## Oil and gas conference a huge success

The success of the recent Australasian Oil and Gas Exhibition and Conference (AOG) in Perth is testament to the strong global interest in the booming oil and gas industry.

The largest oil and gas event in the southern hemisphere, AOG brought together major local, national and international oil and gas players.

The event showcased the latest developments in the oil and gas industry including products, services, new technology and innovation.

AOG Organiser from Diversified Exhibitions Bill Hare said the conference attracted a record number of 9749 visitors, an increase of 26 per cent on last year including 408 exhibitors representing 500 companies.

“AOG attracted international delegations from the United Kingdom, Scotland, Italy, Norway and Russia,” Mr Hare said.

“It was the most successful AOG in its 25 year history.”

The Department of Commerce in conjunction with AMC Management Pty Ltd had an exhibit at the conference to promote the capabilities of the Australian Marine Complex (AMC).

Oil and Gas Business Unit Manager from AMC Management Pty Ltd Richard Clark said the stand attracted a lot of attention and people were interested in finding out information on AMC’s projects and capabilities in the oil and gas industry.

Matrix Composites and Engineering, a leading engineering company providing services for the offshore, subsea, mineral processing, military and manufacturing industries, also featured an exhibit at AOG.

Marketing Coordinator Ola Polczynski said the company’s decision to exhibit at the AOG tradeshow was part of their brand reinforcement strategy, as well as to be able to directly interact with prospective local and international customers.

“We had many people show interest in our stand and Matrix has walked away from AOG with numerous quote leads and order confirmations,” Ms Polczynski said.

“We have already reserved our spot for next year and look forward to participating yet again.”

Bill Hare said he received a lot of positive feedback from attendees, including Lord Digby Jones, Business Ambassador for UK Trade and Investment.

Lord Digby Jones was impressed by the sheer size of the event and the industry’s keen participation, stating the AOG is the most important exhibition, in the most important industry, in the most important part of the oil and gas world.

The Subsea Australasia Conference, which was run in conjunction with AOG, also experienced outstanding attendance with more than 500 delegates participating – making it one of the largest subsea conferences in the world.



*Matrix stands out at AOG.*

## WA oil and gas mission bound for Norway

The Western Australia Government will lead a mission to Norway to attend the Offshore Northern Seas (ONS) Conference and Exhibition in August.

Department of Commerce's Oil and Gas Services Specialist Christine Schulz said the announcement had been made on the back of the most successful Australasian Oil and Gas (AOG) Exhibition and Conferences held to date.

"Western Australia is one of the world's major oil and gas regions, in both access to reserves and our services industry," Ms Schulz said.

"This mission will build new and future relationships while promoting the State's capabilities to more than 40,000 key decision makers in the international petroleum sector.

"Companies attending the mission will have access to the Western Australian stand as well as customised business itineraries and organised industry briefings."

ONS 2010 will be held in Stavanger, Norway, between the 24 - 27 August. The conference brings together the world's technical specialists, analysts and senior government and industry representatives from all over the world to view new products and services and discuss international oil and gas industry issues.

Companies will also be given the opportunity to visit Aberdeen straight after Norway to further expand their international links.

Lord Mayor and World Energy Cities Partnership President Lisa Scaffidi said the City of Perth supported the mission to Stavanger.

"Stavanger and Perth are both members of the World Energy Cities Partnership (WECP) and have a strong relationship that has been built over many years," Ms Scaffidi said.

"WECP encourages the exchange of energy industry knowledge and economic and infrastructure development strategies between the 16 energy city partners.

"The mission will further expand this relationship and provide endless opportunities for the State's oil and gas services industry."

The mission is supported by the City of Perth, the WA European Office in London, the Skilled Migration WA Unit, AMC Management (WA) Pty Ltd and the State Government Departments of Commerce and State Development.

To see how your company can be involved in the mission contact Christine Schulz on +61 8 9263 8019.

**"Western Australia is one of the world's major oil and gas regions, in both access to reserves and our services industry".**

## AMC awarded for innovation

The Australian Marine Complex (AMC) has been named winner of the 2010 Property Council of Australia's Innovation and Excellence Industrial Development category.

LandCorp CEO Ross Holt said the award was testament to the long term vision of the State Government.

"The AMC is managed through robust design guidelines and we have sustainability built in to rehabilitate bushland and wetlands. This creates an industrial facility that is sympathetic to the area's natural environment while building an invaluable asset that will cater for the needs of major industry for decades to come," Mr Holt said.

Key judging criteria for the award included project vision and innovation, corporate social responsibility, quality of design and finish, adaptability, user satisfaction, industry perception and operation and maintenance.



*LandCorp's John Hackett accepts the AMC's Innovation and Excellence Industrial Development Award from St George Bank's Stewart McMillan.*

## CUF expands

Lots six, 16 and 19 within the Australian Marine Complex will be redeveloped to provide vital new land to cope with the growing demands on the Common User Facility (CUF).

The lots which run from south to north on Clarence Beach Road will be known as CUF North and will be managed by AMC Management (WA) Pty Ltd.

AMC Management will develop the land to complement the existing infrastructure within the CUF in consultation with the Department of Commerce and LandCorp.

## Change a foot at AMC Management

The completion of the AMC floating dock has paved the way for AMC Management (WA) Pty Ltd to resume their previous organisation structure.

Given the task of managing the complex and challenging floating dock project, Mike Bailey will now resume the role of General Manager.

Mike Bailey said “an extremely high standard of performance existed during Richard Clark’s role as Acting General Manager”.

Richard Clark will become the Oil and Gas Business Unit Manager and Jonathan Smith will continue his role of Marine and Defence Business Unit Manager.

The management of the floating dock will now be integrated into AMC Management’s work plans. Paul Booth will take over the day-to-day operations as the Floating Dock and SPMT Asset Manager.

Jason Parsons is the Health, Safety, Environment and Quality Manager and all onsite logistics will continue to be looked after by Ian Cope, the Operations and Maintenance Manager. Allan Bradshaw is the Commercial Manager.

## Civmec for desalination

One of the AMC’s newest additions, Civmec Construction and Engineering, recently built two concrete intake structures for the State’s second desalination plant in the South West.

The intake structures sit on the ocean floor and feed sea water through pipes into the plant for desalination. Civmec also built the concrete collars that will hold the pipes in place. The two structures were moved to the wharf on the AMC self propelled modular transporters where the heavy-lift ship, the Happy Buccaneer, transported them to site.

The Southern Seawater Desalination Plant is currently being constructed between Binningup and Mylaup. The plant will produce 50 billion litres (gigalitres) of drinking water annually with a capacity to expand to 100 gigalitres per year.

The build is just one of the elements of the company’s multi million dollar contract with Southern Seawater Alliance.



*Intake structure is transported to the wharf using the self propelled modular transporters.*



*The self propelled modular transporters in front of the floating dock.*

## Shiploader bound for Port Hedland

Junior miners will be among the big winners when Port Hedland Port Authority's (PHPA) new \$20 million ship loader, built at the Australian Marine Complex (AMC), is installed next month.

ProMet Engineers' managed the build, with all fabrication and assembly of the shiploader coordinated at the AMC Common User Facility (CUF).

ProMet Engineers Senior Project Engineer Oliver Holmes forecasted the positive impact the shiploader and ore export facility would have on WA trade.

"The likes of BHP Billiton have owned and used their own exporting facilities for a while now. The new shiploader allows the junior miners in. It's a great opportunity for them to tap in to PHPA's enhanced export capacity," Mr Holmes said.

United Industries, a joint venture between Goodline and Electrical Construction & Maintenance (EC&M), Xtreme Protective Coatings and High Tube were key contractors on the project.

Mr Holmes pinned much of the build's success on the CUF's convenient location and heavy lifting capabilities.

"The designers, fabricators and equipment suppliers were all based close to the CUF, so they were never far away if we needed something," he said.

"Access to the CUF's own wharf and self propelled modular transporters made it possible to assemble the shiploader and test it onsite. Any issues or jobs that needed revisiting were all resolved at the CUF before transporting the shiploader up to Port Hedland, saving us considerable time and money."

Mr Holmes said the cost of fabricating and assembling the shiploader at the CUF then transporting it to Port Hedland was lower than if they had transported each individual component of the build to Port Hedland and constructed it there.

The shiploader and ore export facility was loaded out from the CUF on 26 May 2010 and is expected to be operational within the coming weeks.

*Port Hedland's new shiploader at the CUF.*



# One stop training shop

New skills are exactly what your employees will learn from one of the newest tenants at the Australian Marine Complex (AMC).

Based in the AMC Technology Precinct, Australian Industry Training Providers (AITP) Pty Ltd offers quality corporate training tailored to meet individual business needs.

Training courses range from mine safety, WorkSafe High Risk Work licensing, safety consultancy, skills recognition, in-house training and workplace skills such as time management, interpersonal, communication and meeting skills.

AITP Manager Shelley Richards said the company provided courses to help Western Australian businesses develop their most important asset – its employees.

“We work with businesses one-on-one to identify the skills that will help their employees work safer and more productively – all to recognised

standards,” Ms Richards said.

“All of our training courses are practical and ensure clients can apply the skills they learn to their day-to-day work.”

State and Federal Governments govern the legislation and acts regarding workplace training and standards.

Ms Richards said many companies are taking greater responsibility to ensure their employees are trained with the appropriate qualifications.

“The safety industry in particular is evolving with the requirements of what employees are trained in continually changing,” she said.

“By far the most popular course in 2009 was the Certificate IV in Occupational Health and Safety.”

AITP use the latest technology and training methods to stimulate learning and achieve positive results from its participants.

Ms Richards said her experience had shown that most people learn better and faster by actively doing and not just by reading.

“We use Project Canary computer system to simulate real-life scenarios that allow our clients to apply their safety knowledge and learn how to react in the event of an emergency,” she said.

Observing the realistic consequences of decisions has proven to increase the retention and application of safe workplace behaviour.

Our trainers have all had experience working in the fields that they are training in and use this relevant knowledge to enhance the learning of our clients.”

AITP has a strong community focus and run free courses for eligible job seekers. The company was the winner of the 2009 Business Masters Club Awards Business of the Year.



## Contact information Australian Industry Training Providers Pty Ltd

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*An aerial view of the AMC Technology Precinct where the Australian Industry Training Providers are situated.*

## New property managers for AMC Jakovich Centre

Burgess Rawson, one of the largest commercial real estate firms in WA, has won the contract to provide property management services for the Australian Marine Complex Jakovich Centre within the complex's Technology Precinct.

Burgess Rawson has 22 years of commercial experience and offers a full suite of property services. The company has more than 70 staff in Western Australia and more than \$1.1 billion worth of properties under management.

If your business needs more office space there are currently two 75 square metre offices available for lease. For more information contact Graeme Perry on 0419 907 354.

## Promote your company in the AMC News

The AMC News is received by more than 2000 readers including other businesses within the AMC, key industry representatives from many organisations, local councils and the media. This newsletter is a great way to promote your business and the new ventures at the AMC. In each issue we profile different companies within the Shipbuilding, Fabrication, Technology and Support Industry Precincts as well as Common User Facility activities.

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