

AMC CUF FIFTH ANNIVERSARY

June 2008



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Front Cover: The 500 tonne jacket for Shell Todd's Pohokura gas field in New Zealand's offshore Taranaki Basin, is just one of the significant oil and gas contracts completed by the Ausclad Group of Companies (AGC) at the AMC CUF at Henderson in Western Australia.

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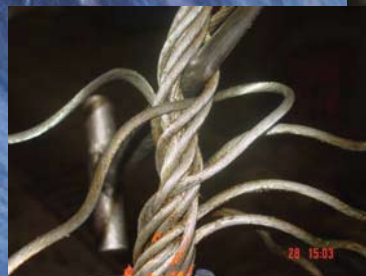
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WA GOVERNMENT COMMITTED TO ESTABLISHING THE AMC AS A CENTRE OF EXCELLENCE

WESTERN Australia's economy continues to grow at an unprecedented rate fuelled by the State's rich reserves of natural resources, particularly oil and gas.

In addition, tens of millions of dollars worth of infrastructure has been developed to capitalise on WA's deposits and the Australian Marine Complex (AMC) has played an integral role in delivering these significant projects.

In July, the AMC's Common User Facility (CUF) will mark five years since it began operations and in that short period it has far exceeded initial expectations. Through its superior provisions for modular construction, the CUF has generated more than \$200million worth of business and 1700 new jobs.

While this is a time to celebrate our achievements so far, we can also look to the future

of the AMC with a great deal of excitement. The floating dock and transfer system will be online in 2009 and a Technology Precinct dedicated to marine, defence and oil and gas is only months away.

The State Government supports the development of a technically advanced oil and gas industry in Western Australia and is committed to establishing the AMC as a subsea, oil and gas centre of excellence servicing the Australian and Asia-Pacific region.

I look forward to the continued development and success of the oil and gas industry, which together with the AMC, promises to deliver great things for WA.

***The Hon Francis Logan MLA
Minister for Energy; Resources; Industry
and Enterprise.***



There are plenty of exciting developments occurring at the AMC.

FIVE YEARS ON AND THE AMC CUF IS PROVING ITS WORTH

THE Australian Marine Complex (AMC) Common User Facility (CUF), in Western Australia marks a major milestone in July as it celebrates five years since operations began.

In this short period, the CUF has far out-performed initial expectations gaining an international reputation as Australia's leading facility for marine-related industries.

Located 23 kilometres south of Perth, the AMC offers superior access to vital services and world class port and fabrication facilities at the CUF.

As its name suggests, the CUF is open to all users and these significant and flexible capabilities are used extensively for the fabrication, assembly and loadout of large infrastructure modules.

The CUF has developed an outstanding record for reliable project delivery, based on a commitment to safety, environmental protection, and cost efficiency by AMC Management Pty Ltd, the facility's independent managers.

Built around an established ship building industry, the AMC consists of four precincts (Technology, Fabrication, Support Industry and Shipbuilding) to provide an integrated industrial

complex facilitating and enhancing opportunities created by the clustering of like industries.

While each precinct has a particular focus, the blend of companies and access to a combination of specialised services and skills combine to provide an environment conducive to collaboration, innovation and quality project delivery often unmatched in the national and international arena.

An initiative developed and funded by the Western Australian Government, the AMC CUF has become a key facility in providing capability to Australian industry, particularly the oil and gas sector.

COMPETITIVE EDGE

Skilled labour shortages and the high costs of doing business in some of the nation's most remote regions provides significant challenges in establishing new oil and gas projects in Western Australia.

These overheads have made it an imperative for energy companies to benefit from any competitive advantages they can find and the AMC CUF provides one of these advantages.

The oil and gas industry has readily adopted modular construction over on-site fabrication to build large-scale infrastructure including topsides, jackets, wellheads and other large modules as a more efficient means of project delivery. The modular construction and testing of equipment in a stable, secure, accessible environment reduces costs, enhances build quality and minimises risks.

Projects constructed at the CUF are ready to install and operate making this an economic, efficient and reliable option for new oil and gas ventures.

Western Australian industry also boasts a very broad range of sophisticated engineering, technology and project management skills and a solid base of skilled labour.

Existing local industry capability at the AMC, and the safe and secure working and living environment makes the CUF an ideal site for fabrication, assembly and repair activities.

RIGHT TOOLS FOR THE JOB

The AMC CUF is world class in its provisions for modular construction and features a 'state of

Continued on page 6



The AMC CUF has developed an outstanding record for reliable project delivery, based on a commitment to safety, environmental protection, and cost efficiency.

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The 2000 tonne jacket structure and topside platform for ENI's Blacktip natural gas project is being built at the AMC CUF by AGC.

Continued from page 4

the art' fabrication hall with 24 hour all-weather access, a ready to use on-site project office, workers amenities, warehouse and 40 hectares of laydown area.

It also has a dredged, deepwater harbour and three wharves - a newly developed marine services wharf and two loadout wharves with notional capacities of 3000 and 15,000 tonnes respectively.

As part of a \$174 million infrastructure upgrade funded by the Western Australian Government, the AMC CUF will soon commission a 99 m wide by 53 m wide floating dock and 512 wheel self propelled modular transport (SPMT) system.

The dock will be capable of lifting 12,000 tonne modules and vessels out of the water and in conjunction with the SPMT will facilitate the

land transfer of 3500 tonne vessels such as RAN Collins Class Submarines and ANZAC Frigates, and the testing of subsea modules.

The SPMT will comprise of 129 axle lines and the fully manoeuvrable system will allow transfer of vessels and large fabricated modules throughout the CUF's fabrication facilities and AMC precincts.

The \$60 million floating dock and \$17 million SPMT are currently in production and will commence service in the second half of 2009.

SKILLS AND RESOURCES TO DELIVER ANY PROJECT

Western Australia's key large scale fabricators have joined together with the support of the WA Government to engage in major national and international projects.

This alliance, known as the WA Major Project (WAMP) initiative, merges a range of specialist companies within the fabrication industry and will help deliver significant and essential infrastructure works for government and other industries including oil and gas, marine, mining and defence.

The group includes two of the biggest names in large-scale fabrication, The Auslad Group of Companies (AGC) and United Group Resources. Other members include Park Engineers, Fremantle Steel and Steel Plan.

The combined WAMP workforce is capable of two million man-hours per annum or 60,000 tonnes of steel fabrication. Together this alliance can undertake fabrication, pre-assembly and pre-commissioning of major projects to world's best standards.

The capacity of the WAMP alliance is enhanced by its access to the CUF for final assembly and load out of major structures.

PUSHING THE ENVELOPE

The newest of the AMC precincts to be developed is the Technology Precinct. Featuring a state-of-the-art \$11 million Central Services Facility (CSF) and TAFEWA's Australian Centre for Energy and Process Training (ACEPT), the Technology Precinct is destined to become a leading centre for innovative research and technology development for the marine, defence and oil and gas sectors in Australia.

The cluster will enable innovation-driven small to medium enterprises to develop and prosper through the establishment of strategic networks.

The AMC Technology Precinct will help ensure Western Australia's marine industry stays at the forefront of innovation and technology development.

SKILLS FOR THE FUTURE

The Australian Centre for Energy and Process Training (ACEPT), based within the AMC Technology Precinct, will play a vital role in helping to address the chronic shortage of skilled workers within the oil and gas industry.

ACEPT, which is hosted by Challenger TAFE on behalf of TAFEWA, recently welcomed its first intake of students at the new \$21 million facility, which was developed in collaboration with the State and Federal governments together with resources companies to build pathways from school to industry to increase the numbers of suitably skilled people.

The facility which features a fully operational process train that separates oil from water, and utilises nitrogen separated from the air as an inert gas in the process.

The train replicates those used within the mineral, chemical and oil and gas processing industries, which means students are given real-world, practical training.

Continued on opposite page



A worker applies the finishing touches to a piece of subsea equipment in the AMC CUF main shed.

Continued from opposite page

SUBSEA CLUSTER

Another major initiative at the AMC is the planned development of an industry cluster for companies servicing the fast-growing subsea oil and gas sector.

A number of local and international companies responded to calls for an expression of interest in locating in the proposed subsea cluster.

The area is likely to feature 17 lots up to three hectares in size and include both freehold and leasehold opportunities.

LandCorp, the Western Australian Government's land and property developer, is negotiating with a number of ROI respondents and anticipate remaining lots to be advertised for sale by the end of 2008.

PROVEN ABILITY TO DELIVER

Already several of the biggest names in oil and gas have benefited enormously from the AMC and its Common User Facility (CUF) to service large scale fabrication needs.

In August, WA engineering firm Ausclad Group of Companies (AGC) is due to complete a 2000 tonne jacket structure, topside platform, onshore storage tanks and piles to form an unmanned wellhead platform for ENI Australia Limited.



The AMC CUF is providing a critical link in the supply chain supporting subsea work in the region.

The new platform will be used on the Blacktip natural gas project located in the Bonaparte Basin in the Timor Sea.

AGC has also utilised the fabrication hall to construct Australia's first ever export oil and gas jacket for the Pohokura installation in New Zealand.

An \$11 million biodiesel plant for Natural Fuels Australia, Apache Energy's 600 tonne Linda platform and the \$5 million John Brookes

platform joint venture between Apache and Santos were also built by AGC in the fabrication hall and loaded out using the CUF's southern services wharf for shipment to the North West Shelf.

Woodside Energy has utilised the CUF to build and loadout modules for the Goodwyn 'A' project while an offshore crane is being assembled and tested before shipment to the North Rankin 'A' platform on the North West Shelf. ■



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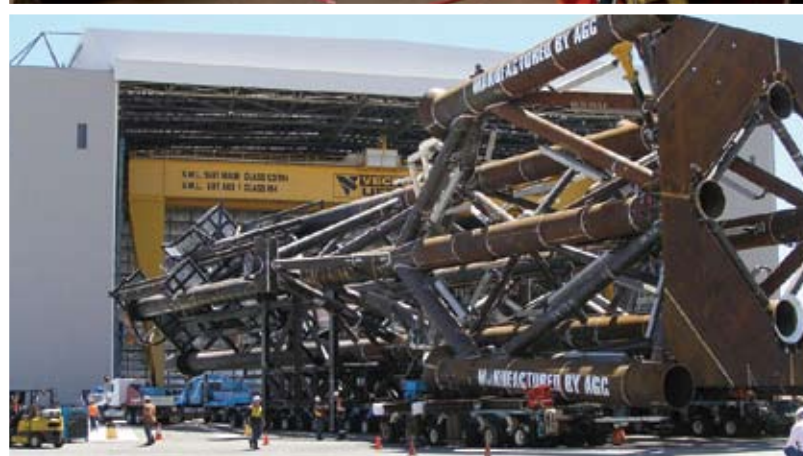
WESTERN AUSTRALIA

Australian Marine Complex – celebrat



In July 2008, the Australian Marine Complex (AMC) Common User Facility (CUF) celebrates five years of exceptional operations. Located 23 kilometres south of Perth, the AMC has grown to become the leading force in the Asia-Pacific region for the subsea, oil and gas industries. The

Western Australian Government has committed a further \$174 million to build additional key infrastructure within the CUF increasing WA's capability to perform major subsea, oil and gas projects. Western Australia has an abundance of petroleum reserves and the State Government is committed to establishing Western Australia as a subsea, oil and gas centre of excellence, which services Australia and the Asia-Pacific region.





ing 5 years at the forefront of industry



Major subsea, oil and gas achievements at the AMC since 2003:

- Fabrication and assembly of the Linda and John Brookes platforms and jackets
- Maintenance on Australia's biggest construction vessel, Saipem's Semac Barge, after a stint working on the North West Shelf Venture's second trunkline
- Fabrication and assembly of Natural Fuels Australia's 420 tonne biodiesel plant in Darwin
- Fabrication and assembly of Australia's first export oil and gas jacket for the Pohokura installation in New Zealand
- Mobilisation site for dynamically positioned pipe lay vessel, Lorelay, for the Perseus over Goodwyn development
- Establishment at the AMC of international companies FMC Technologies and Ferguson Seacabs
- Opening of Challenger TAFE's Australian Centre for Energy Process Training (ACEPT) to meet the future demand for skilled workers in the oil and gas industry
- Fabrication and assembly of a pipe spool for Woodside Energy Limited's Enfield project
- Fabrication and assembly of 2000 tonne jacket structure, topside platform and piles for Eni Australia Ltd's Blacktip natural gas project



To become a part of Western Australia's exciting future please contact: **John O' Hare - General Manager Marine & Defence, Australian Marine Complex**
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Department of
Industry and Resources

ACEPT FACILITY PROVIDING CRITICAL SKILLS TRAINING

CHALLENGER TAFE's Australian Centre for Energy Process Training (ACEPT), at the Australian Marine Complex (AMC), opened its doors to students for the first time in February.

Managing director of Challenger TAFE, Liz Harris, said ACEPT offers a variety of training formats and courses to meet Western Australia's expanding workforce requirements.

"Training at ACEPT includes the Certificate II in Process Plant Operations, which provides theoretical and practical training leading to recruitment as an apprentice or trainee operator in the oil, gas, chemical and mining industries," Ms Harris said.

"The Centre gives students hands-on training and will help to meet future demand for skilled workers in the oil and gas industry."

ACEPT is also currently skilling apprentices and trainees in process operations and 'dual skill' apprenticeships for host companies Apache Energy, ARC Energy, Chevron and Woodside.

In addition, school-based trainees are undertaking a Certificate I in Process Plant Skills and the Certificate II in Process Plant Operations. Other training formats available through ACEPT include Open Learning and Skills Recognition.

ACEPT's first semester has attracted over 200 students and enrolments are continuing to flow in at a steady pace.

Deputy director general at the Department of Industry and Resources, Joe Ostojich, welcomed the TAFE students onboard saying the AMC Technology Precinct was the ideal location for innovation and technology based organisations to locate.

"The Technology Precinct has been designed for organisations that are focused on technology, research, education and training in the marine, defence, oil and gas sectors," Mr Ostojich said.

"By being part of the Technology Precinct, organisations will have access to the facilities offered at the AMC, as well as having the advantages that come with being part of a well connected industry and support network."

The completion of the Central Services Facility is imminent and it will offer AMC tenants facilities such as meeting and function rooms, catering and a gym. ■



The new ACEPT facility at the AMC is proving popular for those looking to break into the oil and gas industry.

INDUSTRY TAPS INTO ACEPT'S SKILLS TRAINING

EFFORTS to ease the shortage of process plant operators in the oil and gas sector received a substantial boost with the recent official opening of Challenger TAFE's Australian Centre for Energy and Process Training (ACEPT), the first training centre of its kind in Australia.

The Deputy Prime Minister, Julia Gillard, and WA Minister for Education and Training, Mark McGowan, recently jointly opened the \$21 million Centre in the Australian Marine Complex in Henderson.

"Challenger TAFE is already recognised as a leading provider of training to the resource industries, and ACEPT enhances that reputation," Ms Gillard said.

"Apart from playing a significant role in WA, ACEPT forms part of the national training agenda and has already attracted international interest."

An Industry Advisory Board, chaired by Woodside's Keith Spence, ensured that ACEPT was responsive to the needs of industry.

Mr Spence emphasised the strategic partnership between government and industry, and said there were considerable benefits for future oil and gas projects.

"We are delighted with this facility. It was originally just a dream but it came about as a true collaborative effort between the Federal Government, the WA Government and industry, and it will make a real difference," he said.

"This fantastic centre will help train the extra people we need for all the new oil and gas projects on the drawing board, which will ultimately have a big impact on the national economy."

Challenger TAFE managing director, Liz Harris, said one of ACEPT's key strengths is its ability to link directly with resource companies to map training programmes usually delivered in-house against national industry standards.

"While many companies have been training their own workforce in accordance with their specific requirements, ACEPT can now meet

these needs and provide nationally and internationally recognised qualifications," she said.

"This ensures that in-house skill levels are consistent with national competency standards and that we are able to identify and develop strategies to address whatever skills gaps may exist.

"Also, some process operators may have several years experience but no formal qualifications. ACEPT's Skills Recognition process involves working with an assessor to determine if a qualification can be awarded, or what further training is needed to obtain one."

ACEPT director, Rob Meecham, said that apart from meeting the skills needs of industry, ACEPT also delivers courses for school-based trainees, including innovative programmes aimed at indigenous students, to encourage future generations of oil and gas workers.

"Highly experienced industry practitioners deliver 'live' training on ACEPT's process plant,

Continued on page 12

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BLACKTIP PLATFORM NEARS THE SUMMIT



The Blacktip topsides under construction.

A NEW 2000 tonne jacket structure and topside platform to service ENI Australia Ltd's Blacktip natural gas project is set for completion in August.

Western Australian engineering firm Ausclad Group of Companies (AGC) began assembly at the main fabrication hall in November 2007 and this state-of-the-art facility, along with ample laydown area at the CUF, has enabled the project to progress rapidly.

Infrastructure at the CUF will also allow the jacket and topside to be loaded directly onto a heavy lift ship and transported to the southern Bonaparte Basin in the Timor Sea where it will become critical to ENI's operations.

The new platform will transport gas from the Blacktip site, approximately 100 kilometres west of the Northern Territory coast, via a pipeline to an onshore processing facility. ■

BIG BLACKTIP PROCESS TANKS BUILT AT THE CUF

THE success of its Blacktip project contract has inspired AGC to achieve another feat of modular engineering.

AGC is in the process of completing the civil, mechanical, electrical design, supply and



Some of the Blacktip process tanks.

fabrication of five process tanks fully completed on transport grillages and shipped by barge to Blacktip Project Onshore Gas Plant.

Measuring more than 18 metres in diameter, 20 metres high and 220 tonnes each, these are the largest tanks to be built for transportation in Australia.

The tanks have been designed in such a way with the use of a synchronised jacking system there is no craneage required for the onsite positioning of the tanks on to the concrete ring beams.

Previously tanks of this scale needed to be built onsite, however flexible world class infrastructure enabled the work to be completed and shipped from the CUF to the Timor Sea. ■

NORTH RANKIN 'A' CRANES DELIVERED TO THE AMC

WOODSIDE Engineering Limited recently purchased two new offshore cranes as replacements for the North Rankin 'A' Platform, which were delivered to the AMC.

One of these cranes is being assembled and trialled at the CUF, where foundations will be constructed to replicate the offshore installation. AGC are fabricating and erecting a 13 metre tall metal support structure from some 150 tonnes of steel on top of which the crane will sit. This will allow for light load tests and crane driver training ahead of shipping to the platform for installation and final commissioning.

The crane is expected to be operational at the CUF by the middle of the year, while the crane and support tower are scheduled to be installed offshore on North Rankin 'A' by October 2008.

Both cranes have an offshore lift capacity of 16 tonnes at a 50 metre radius and 70 tonnes at a 10 metre radius. ■

TECHNIP SUBSEA 7 COMPLETES PROJECT FOR WOODSIDE

TECHNIP Subsea 7 Asia Pacific (TS7) recently utilised the AMC CUF to complete the fabrication and assembly of a pipe spool for Woodside Energy Ltd's Enfield oil and gas development.

The CUF's extensive laydown area was utilised to fabricate the frame on site as the spools were assembled.

The complete module was then loaded onto a barge at the CUF's heavy loadout wharf for transportation to the field located off North West Cape in Western Australia, where it was placed on the sea bed at a depth of 550 m.

TS7 has also recently utilised the CUF to store and maintain equipment to support flexible pipelay operations.

A large reel of flexible flowline was offloaded at the CUF using the 300 tonne heavy lift crane prior to installation.

A flowline is a pipe, laid on the seabed, which allows the transportation of oil/gas production or injection of fluids. Its length can vary from a few hundred metres to several kilometres.

The line is in operation in approximately 420 m of water north of Exmouth. ■

MAINTENANCE AT EASTERN WHARF

THE Eastern Wharf at the CUF was recently used by Australian Marine Complex based shipbuilder, Strategic Marine, to undertake significant works on the 80 metre seismic vessel "Ocean Endeavour."

Maintenance and modification works were completed by the Western Australian shipbuilder and the work included fitting large containers to the forward deck, re-installation of a deck crane and adjustments to the ship's hydraulic and electrical systems. ■

Continued from page 10

in conjunction with the use of simulators to mirror process operations, to replicate the actual process plant working environment," he said.

"By providing hands-on skills development we are furnishing the industry with job-ready entry-level young people who are equipped to carry the industry forward."

Apart from process operations training for the oil and gas industry, ACEPT will also service the minerals and chemical processing industries. ■

AMC SUPPORT PRECINCT LAND RELEASE BEING PLANNED

THE final release of land within the Australian Marine Complex (AMC) Support Precinct is now being planned by LandCorp following the quick sell out of Stage 3.

The 15 lots available in the Stage 3 development were first advertised in July last year and attracted considerable interest.

A rigorous selection process ensured that only oil, gas, marine or defence compatible companies were allocated land within the precinct.

Stage 4 release of land will deliver a further 15 lots with opportunities for developers of high quality strata units.

Pre-sales for Stage 4 are expected to commence mid 2008.

To coincide with the Stage 4 works, LandCorp has committed approximately \$1 million to the rehabilitation and enhancement of adjacent bushland and public open space.

LandCorp is confident the AMC Support Precinct will be an excellent demonstration of the integration of the natural and built environments.

FABRICATION PRECINCT - SUBSEA CLUSTER

LandCorp and the WA Department of Industry and Resources have been actively progressing with development plans for a 'Subsea Cluster' in the Fabrication Precinct using information gathered through a Registrations of Interest (ROI) process held in July last year.

The Fabrication Precinct, that will service the fast growing subsea oil and gas industry, is likely to feature 17 lots, some as large as three hectares, including both freehold and leasehold opportunities.

LandCorp anticipates land within the cluster to be advertised for sale/lease by the end of 2008.

Additionally, LandCorp is negotiating with a number of ROI respondents regarding the purchase of three lots currently available, that overlook the Common User Facility.

SUPERLOT PROGRESSES

The AMC Superlot adjoins the Common User Facility and is currently home to Hanseatic Marine and to ASC's \$35 million new submarine facility, which is rapidly progressing.

Blasting at the site is now complete and dredge spoil removal and ground improvement works are about to commence.

LandCorp's agents are now accepting enquiries for this leasehold only lot from suitable businesses who can demonstrate their need for direct waterfront access.

FLINDERS PRECINCT

Preliminary works including the on-site diversion and installation of water services have commenced in Flinders Precinct, the first area to be developed within the Latitude 32 Industry Zone.

A Structure Plan, based on Registrations of Interest from business and industry and public comment, was submitted to the Western Australian Planning Commission (WAPC) for final approval in January. Under the plan, about 72 hectares of the 160 hectares, will be developed for industrial land sales, with the balance of the area to be used for road reserves, water and power services, parks and recreation reserves and public open space.

Land sales for Stage 1 of Flinders Precinct are expected to start in mid 2008, with settlement anticipated around 12 months later. ■

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AUSTRALIAN MARINE COMPLEX - A MODULE FOR SUCCESS

A REVOLUTION in preassembly construction methods being pioneered in Western Australia at the Australian Marine Complex (AMC) will continue to drive the State's resources boom by delivering major infrastructure projects.

Modular construction, a method involving the preassembly of components into transportable parts, is seen as the way of the future and is being readily adopted by the resources, defence and maritime industries.

Major oil and gas companies in particular have utilised modular construction over on-site fabrication to build large-scale infrastructure including topsides, jackets, wellheads and other large modules as a more efficient means of project delivery.

AMC Management (WA) Pty Ltd general manager, Richard Clark, said modular construction and testing of equipment in a stable, secure, accessible environment reduces costs, enhances build quality and minimises risks.

"Modular construction saves time and money over traditional methods as building components at a fabrication facility allows for more stringent quality control and shorter project schedules," Mr Clark said.

"Components can be commissioned and tested ahead of transportation eliminating the potential for time-consuming and expensive fitting errors in the field, while other factors including weather



Loadout of the 430 tonne biodiesel refinery constructed by AGC for Natural Fuels Australia Limited.

delays and in-air fieldwork are also minimised reducing the customer's risk and local labour costs."

A State Government partnership between the Department of Industry and Resources and LandCorp, the AMC CUF is a world leader in its provisions for modular construction and features a 'state of the art' fabrication hall with 24 hour

all-weather access, a ready to use on-site project office, workers amenities, warehouse and 40 hectares of laydown area.

It also has a dredged, deepwater harbour and three wharves - a newly developed marine services wharf and two loadout wharves with notional capacities of 3000 and 15,000 tonnes respectively.

More than 40 major modular construction activities to service the resources industry have occurred at the AMC CUF in the past five years and include fabrication of:

- 3000 tonne, 250 m long iron ore loadout wharf and conveyor for Fortescue Metals Group (FMG) Port Hedland export facilities constructed by Thiess.
- 2000 tonne jacket, topside, platform and supply tanks built by Ausclad Group of Companies (AGC) for ENI Australia's Blacktip natural gas project.
- 750 tonne iron ore shiploader built by Sandvik for Rio Tinto and shipped to Dampier.
- 500 tonne jacket constructed by AGC for Shell Todd's Pohokura gas field, New Zealand.
- 430 tonne biodiesel refinery constructed by AGC for Natural Fuels Australia Limited and delivered to Darwin.
- Platforms for Apache Energy's John Brookes and Linda fields off the north west coast.
- Ball mill crushers, conveyer systems, pumps, piping and other infrastructure for Boddington Gold Mine operations.



The 500 tonne jacket for Shell Todd's Pohokura gas field begins its journey to New Zealand.

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AMC FLOATING DOCK ON SCHEDULE

IN a major step forward, local contractor Strategic Marine has started cutting the side wall sections, which will contain the control systems and running machinery that will be needed to fabricate the \$60 million floating dock at the Australian Marine Complex.

More than 1000 tonnes of steel work is scheduled to be completed in WA, as well as the integration of all machinery, electronics and ballasting systems.

Another local company at the AMC, EJ Electrical Engineering Contractors, have been selected by Strategic Marine, as the electrical contractor for the construction of the floating dock.

EJ Electrical are designing the complete electrical system for the floating dock, including the manufacture of main switch boards, starters, and control and monitoring systems.

EJ Electrical's Floating Dock project manager, Paul Hannaby, said the electrical works are well underway.

"We are nearing design completion and will start installing preliminary electrical wiring as the pontoon side walls are completed next door at Phillips Engineering," Mr Hannaby said.

Mr Hannaby recently travelled to Vietnam with Strategic Marine to facilitate the installation of electrical equipment into the pontoon section of the dock.

"This project has been made easy by the strategic placement of complimentary industries within the AMC.

"We are conveniently located close to key companies, making logistics and communication easy, to ensure work is on schedule."



Artist's impression of the \$60 million floating dock that is being built at the Australian Marine Complex in Henderson.

Construction of the local component of a \$60 million floating dock at the Australian Marine Complex (AMC) in Henderson began in January, two months ahead of the original schedule.

KEY ELEMENT

WA Planning and Infrastructure Minister Alannah MacTiernan, said the floating dock is a key element of the State Government's \$174.3 million commitment to infrastructure upgrades at the AMC, which will inject \$2 billion into WA's economy over the next 25 years.

Ms MacTiernan said the floating dock will provide the capability for testing subsea oil and gas components and allows WA to bid for a range of major maintenance and construction projects across the marine, defence and resources sectors.

The floating dock will be fully automated, featuring world's best practice advanced control systems designed and installed by local and international electrical and engineering companies.

The 99 m long by 53 m wide structure which will be capable of providing the land transfer of docked vessels up to 500 tonnes and lifting 12,000 tonne vessels out of the water for service and maintenance work.

ASC Pty Ltd's \$35 million submarine repair and maintenance facility at the AMC is expected to open early this year and the floating dock will be completed in time for the first scheduled submarine docking in October 2009.

The floating dock will build on the already extensive infrastructure at the AMC. ■

The Australian Centre for Energy and Process Training (ACEPT)



ACEPT is tackling the process operator skills shortage in the resources industries.

The booming resources sector has created a massive demand for skilled process operators. With ACEPT's industry-responsive training delivery, companies can now obtain externally trained and qualified process operators to fill this growing demand.

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STATE-OF-THE-ART MODULAR TRANSPORT SYSTEM FOR AMC

A NEW technology, designed to carry heavy modules and sea vessels, is one step closer to being on-line at the Australian Marine Complex (AMC).

The Self Propelled Modular Transporters (SPMT) system will have more than 500 wheels with 42 axle lines to allow for the on-land transfer of heavy modules and sea vessels.

Project manager for the Australian Marine Complex Floating Dock, Mike Bailey, said the SPMT had a total lift capacity of 3500 tonnes.

"The SPMT is able to move ships and submarines for the Australian Navy," Mr Bailey said.

"The SPMT will enhance the world-class capabilities of the CUF, which is expected to inject \$2 billion into Western Australia's economy over the next 25 years."

The SPMT transfer system is critical to ASC Pty Ltd's Through-Life Support contract to provide service and maintenance for the Royal Australian Navy's Collins Class submarines at the CUF over the next 25 years.

Other uses for the SPMT include the transfer of a range of other vessels and fabricated ship modules.

Clients servicing the oil and gas sector are expected to take advantage of the SPMT for the transfer of jackets and topsides, process plants and structural items including ship loaders, wharf decks and other heavy modules.

The SPMT is due to arrive at the AMC in May 2009. ■

SHIPS MAINTENANCE AT AMC'S EASTERN WHARF

THE Eastern Wharf at the Common User Facility (CUF) was recently used by Australian Marine Complex based shipbuilder, Strategic Marine, to undertake significant works on the 80 metre seismic vessel "Ocean Endeavour."

Maintenance and modification works were completed by the Western Australian shipbuilder and the work included fitting large containers to the forward deck, re-installation of a deck crane and adjustments to the ship's hydraulic and electrical systems.

The vessel left the CUF in mid-January and is back on station in the Karratha-Dampier region in the north-west of the State.

The Eastern Wharf was immediately back in action with the SAL Heavy Lift Ship "Wilma" following in the "Ocean Endeavour's" wake when shipping agent Monson loaded and delivered two catamarans for the Hong Kong to Macau run.

The ferries, part of a multiple vessel order being built by Austal Ships, took two days to load. ■

FERGUSON SEACABS STARTS OPERATIONS AT THE CUF

INTERNATIONAL offshore container specialists Ferguson Seacabs have established a service and supply base for Australasia at the AMC.

The CUF facilities allow the company to offer a complete service including maintenance, testing, inspection and online asset tracking for their high stress shipping containers.

The CUF facilities provides Ferguson, the only dedicated provider of highly specialised and certified offshore equipment in Australia, with an ideal base from which to store, test and service their containers, proximity to port facilities for transport and delivery and interaction with oil and gas industry activities. ■

Continued from page 14

- Offshore cranes and supports weighing more than 150 tonnes for Woodside Energy's North Rankin 'A' platform.
- Pipe spools by Technip Subsea 7 Asia Pacific for Woodside Energy Limited's Enfield oil and gas development.
- Ore stackers for BHP's Rapid Growth project in the Pilbara. ■

New Zealand Oil & Gas Exhibition & Conference

TSB Stadium
New Plymouth, New Zealand
September 9th & 10th 2009

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Established
1993



Celebrating 5 Years of Successful Operation

The Common User Facility at the Australian Marine Complex near Perth, Western Australia has proved a major success during its' first 60 months of operation. The facility has performed beyond expectations with over 150 local and international companies from marine, defence, mining and petroleum sectors completing projects on site. Up to 10 project users may utilise the facilities' fabrication halls, laydown area, wharves and offices, emphasising the CUF's outstanding multi-user capability.

