INQUIRY INTO THE DEFENCE INDUSTRY IN NEW SOUTH WALES

Name:Harwood MarineDate received:16 June 2017

Harwood Marine Shipyard Clarence River NSW

Defence Industry Inquiry June 2017



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Overview

• Overview:-

- Harwood Marine (HM) has a large heavy lift DNVGL Certified Defence capable construction and repair shipyard.
- Harwood Marine have a young highly skilled and trained shipbuilding workforce.
- The Harwood Slipway Pty Ltd T/A Harwood Marine has been in operation since the early 1970's when it carried out both Australian Army and Navy contracts for repairs and refurbishments, and has during this time grown into an international shipbuilding and repair company, both in Australia and SE Asia.
- Harwood Marine directors closed their shipyard in October 2014, retaining 95% of their full time employees and carried out extensive repairs and refurbishment to the in water foundations, replacing and rebuilding their Slipway/ Ship lift infrastructure for the future, to be one of the largest, safest, and environmentally compliant Slipways in Australia and New Zealand, and have an area of approx. 200 Acres of freehold waterfront land for Marine precinct operations.
- Additional **40 extra acres to compliment the existing 20 acres, have been recently rezoned Marine** Industrial IN4 so facility expansion can be accommodated very quickly as the need arises.
- Please view more on our website <u>www.harwoodmarine.com.au</u>

TERMS OF REFERENCE Defence industry in New South Wales

- a. maximise opportunities for NSW-based companies from Defence's growing exports and investment in defence capability – in both acquisition and sustainment
- b. encourage defence industry innovation, research and education including developing the future workforce
- c. identify targets, programs and projects for defence spending in New South Wales
- d. maximise the economic benefits of locating defence force bases and defence industry in the regions
- e. how to establish and sustain defence supportive communities
- f. further enhance collaboration between the NSW Government and Commonwealth agencies
- g. any other related matter.

a. maximise opportunities for NSWbased companies - Defence

- HM Investment in new heavy lift shipyard facilities on the Clarence river NSW.
- HM 200 acre waterfront Shipyard, Slipway and future travel lifts suitable to construct, repair and maintain Defence vessels.
- Strategic central location on East Coast of Australia, with Road, Rail and Sea access.
- Large skilled local workforce

b. encourage defence industry innovation

- HM have been working with Japanese company RDE Engineering developing an energy and emission reduction technology for marine vessels and ships. The technology is called WAIP and is an air lubrication friction reduction technology for ship's hulls.
- <u>http://www.sciencedirect.com/science/article/pii/S0029801814004314</u>

c. identify targets, programs and projects for defence spending in New South Wales

- HM could be the East Coast equivalent of the Australian Marine Complex (AMC) at Henderson in Western Australia. AMC has had hundreds of millions of state and federal dollars injected to create the facility. HM have done this with private directors funds.
- Since its opening in July 2003, the AMC has delivered more than 373 major infrastructure projects worth in excess of \$1.75 billion and generated more than 26,700 jobs.

https://www.commerce.wa.gov.au/industry-and-innovation/australian-marine-complex-0

d. maximise the economic benefits of locating defence force bases and defence industry in the regions

- HM have already provided the facility at no cost to the state government in regional NSW in the north where unemployment is high and jobs are scarce.
- The Port of Yamba is a designated First Port of Entry with uncluttered access as there is no commercial shipping, and Defence could have 24 hr operations in times of emergency.
- Operating, set up and logistical costs are low.
- Weather and climate are very suitable to marine operations.

e. how to establish and sustain defence supportive communities

- HM have been in operation for almost 50 years by offering well paying jobs and training large numbers of apprentices and trainees, in an area of high unemployment.
- Marine vocations in engineering and associated trades, can replace traditional agricultural and fishing, as these jobs diminish through mechanisation and industry downturns.
- Young people who traditionally have to leave the area when they leave school, due to the lack of employment opportunities will be able to forge new career paths.

f. further enhance collaboration between the NSW Government and Commonwealth agencies

- HM Marine Precinct and Slipway has been identified as a significant shipyard with a DNVGL certified shipbuilding workforce, the same International certification Navy ships are built to worldwide.
- Mr. Turnbull made the press release below, wanting more shipyards and more skilled shipbuilding workers. This is a great opportunity for state and federal to collaborate on our site as they did on the AMC site in WA.
- <u>http://www.smh.com.au/federal-politics/political-news/naval-shipbuilding-plan-needs-13b-for-yards-thousands-more-workers-20170515-gw5bs1.html</u>
- *"Naval shipbuilding plan needs \$1.3b for yards, thousands more workers"* Malcolm Turnbull SMH Press release May 16th 2017
- The Turnbull government will need to spend \$1.3 billion on shipyards and oversee the creation of an army of skilled workers to realise a national naval shipbuilding industry.
- The Naval Shipbuilding Plan, released on Tuesday, outlines how the government will achieve one of its signature promises: the creation of a local industry that can build \$89 billion worth of ships over the coming decades.

g. any other related matter.

- How Can the NSW Government help HM?
- Maintain/improve the current road access to the site, to the correct Australian standard to service a large shipyard.
- Alternate Road build about 1 klm of new road or upgrade existing 3klm of road
- Pacific Highway \$4.36 Billion upgrade is happening 2klms from our shipyard, so all the road building machinery and materials are in our area for the next few years to carry out this work cost effectively.
- Dredge a small area of the river at a shallow spot to increase the depth by 1 mtr.
- State Significance A modern newly refurbished Shipyard, with a skilled DNVGL certified shipbuilding/repair workforce is a National Security asset, state recognition would allow sensible development to suit the \$100 Billion Defence shipbuilding budget at our regional NSW site. A public /private partnership could be considered.

Shipyard Upgraded Shipyard Re-Opened January 2017



Opportunities

- Defence HM already has a letter of support from one of the Prime contract bidders who are shortlisted for the SEA 1180 OPV project-\$5 Billion.
- Existing commercial work
- Additional work from installing Travel Lifts
- Marine Precinct Expansion for our own existing clients, and to other business owners who wish to relocate from other areas or expand their business, where shipyards have been closed down.

Jobs

- Defence construction and repair could create hundreds of jobs in regional NSW where the unemployment rate is high but the infrastructure and operational costs are low.
- During our most difficult period over the last two and half years whilst closed, we kept 95% of our employees and paid them in full. On reopening the shipyard in the first 3 months we have employed an extra 14 people, and are soon engaging a further 4 apprentices.
- Currently we have 55 employees, but believe this number can expand greatly in the future to over 100 once travel lifts are operational, and to over 300 if our marine precinct expansion goes ahead.
- We are also trying to secure future Australian defence work, which of course could employ many more people, depending on the scope of work.

In water upgrades – fully concreted and environmentally compliant.



New Slipway Cradle – certified 8000t



Environmental Compliance (no in water pollutants.)



Shipyard 2klm from Harwood bridge construction



Strategic Defence Location East Coast Australia and South Pacific.







CERTIFICATION TO ISO 9001: 2008

• May 5th 2017

• HARWOOD MARINE ARE NOW CERTIFIED TO ISO 9001: 2008

- Harwood Marine are pleased to announce that we have recently achieved certification to the standard for AS/NZS ISO 9001: 2008 with DNV-GL, one of the leading certification bodies in the world, who provide services to many sectors including the marine, mining and manufacturing industries.
- We have developed and implemented a Quality Management System to assist in providing our customers with the best possible products and services, while continually looking for ways to improve and grow.
- As each project we undertake is often unique, we offer our customers a service dedicated to ensuring their product requirements are achieved every time, and to their complete satisfaction.

Shipbuilding in Regional Australia

A Commercial approach to save and build Jobs in Australia's Marine Industry by Harwood Marine.

Proven records of Ship Construction on Budget and on Time. 80 mtr L.O.A. Tuhaa Pae IV built by Harwood Marine 2012







80 mtr Cargo/Pax French Vessel TP4 constructed by Harwood Marine



Tuhaa Pae IV (Built by Harwood Marine 2013)



Shipbuilding at Harwood Australia Nord Nederland 48 Mtr - Holland





www.harwoodmarine.com.au

Tugs, Workboats, Multicats, Commercial built at Harwood.









Ship Repair



Green Technology Innovation

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Media Australian Navy

The Daily Commen



Nationals in push to help Harwood firm

Visit welcomed by boss of boat-building firm By LACHLAN THOMPSON

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dailyexaminer.com.au

THE National Party converged on Harwood Marine yesterday to discuss opportunities for the boat-building firm to do contract work for the Australian Defence Force.

Opposition defence spokesman Senator David Johnston, Cowper MP Luke Hartsuyker and Nationals candidate for Page Kevin Hogan toured the facility. Ross Roberts, managing director of Harwood Marine, said the business was contacted by the National Party and asked if it would like a visit.

He said Harwood Marine was one of the biggest employers in the lower Clarence, with more than 50 staff.

He said the business had employed 43 apprentices and 10 trainees since 2006, but the biggest problem was the boom-andbust nature of the industry. Senator Johnston said Defence contracts had been cut in

recent years Page MP Janelle Saffin last month announced a Marine Precinct Workforce Development project to boost the workforce by upskilling up to 10 local casual workers with experience in the industry.

"This is what the industry has asked for," she said.

"This is stage one of my economic development strategy for the Charence Valley and my aim is to build on this across other major industries."



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CONTRACTS: Federal Member for Cowper Luke Hartsuyker (left), Nationals candidate for Page Kevin Hogan, Harwood Marine managing director Ross Roberts and Opposition defence spokesman David Johnston discuss possible opportunities for the lower Clarence business. PHOTO CONTRIBUTED



Marine business returns to military roots

WHEN Harwood Marine start-Mr Roberts said the aded looking to get military convantage of government contacts, it was in fact gotting tracts for Harwood Marine was they would provide a steady back to its roots, managing director Ross Roberts said. flow of work Mr Roberts worked for the

He also said the business company during the 1980s, a had plans to extend their wharf time when much of Harwood space so more repairs could be Marine's business came from done in the water Defence contracts. He said the Mr Roberts unid the business was perfectly located on the slipway used to produce heavy east coast next to the Pacific landing craft, amphibious hoats, vehicles and barges.

Hwy

Harwood Marine in 1979.



Media

dailyexaminer.com.au Tuesday, December 13, 2015

Hopes for defence work

Navy ships in the frame

Tim Howard

THE MASSIVE rusting wall holding back the Clarence River from the workers beavering away on the new Harwood slipway is just a month away from coming down

For Ross Roberts, the managing director of slipway owners Harwood Marine, it won't be a moment to soon and something that should be celebrated.

"There's not a lot of good news stories around, but this to stop contaminants from is one of them," he said. Ever since the cracked

concrete and worm eaten pylons of the old slipway collapsed in October 2014 he and the management team have racked their brains finding ways to keep their workers on the job.

Mr Roberts said this had included doing such "un-marine" jobs like bringing the Coraki Bridge into the workplace in. sections and repainting it or repairing a potential competitor's dry dock "just so we can keep paying

Wages "We've also used our people to rebuild the

alipway," Mr Roberts said Mr Roberts and the way

the workers have tackled everything thrown at them in such a huge job was a credit to them. "Digging out all the mud, stabilising the walls and

removing the cracked concrete was a huge job," he said

The discovery of contaminants in the soil had created more problems, but with guidance from the Environmental Protection Agency, they have successfully removed them and put in place a program getting into the soil. Mr Roberts said once

work began more and more problems came to light. "If we had known the final size of the job before work

he said.

the owner of two super

yachts. We've never had

those sorts of inquiries."

to the site last week by

Federal Infrastructure

taking an interest.

around 4.6m.

Minister Darren Chester

means the government is

length and with a draft

is building now that we

couldn't handle," he said.

started, we might not have done it," he said. "But once we got into it, we just had to keep going." Mr Roberts said all the work had been privately financed by one of Harwood Marine's backers, which is

why the cost of the project cannot be made public. Mr Roberts is confident the company's backer will get his money back. "We have 18 jobs booked for the slipway already

worth about \$10 million and we're quoting on a lot more."



HURRAY: Harwood Marine workers appreciate the company has been able to keep them employed for the two years the slipway has been out of action. PHOTOS: TIM HOWARD



Harwood Marine managing director Ross Roberts near the massive wall holding back the Clarence River.

Media



Media



NSW Government Support

Hon Chris Gulaptis MP Clarence, Hon Duncan Gay Minister for Transport.



NSW Government Support Deputy Premier Visit 20.2.2017



Australian Federal Government Support-

Luke Hartsuyker MP Cowper Assist Minister Employment, Hon Kevin Hogan MP Page, David Johnston MP Former Minister for Defence.



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