



24 October 2016

## **ALE COMPLETES ICHTHYS PROJECT ONSHORE LNG FACILITIES CONTRACT**



ALE has completed its scope of work at the Ichthys Project Onshore LNG Facilities in Darwin, Australia, using the Hydro Deck for the first time.

ALE was contracted by JKC Australia Ltd to load-out 178 pre-fabricated modules from a range of heavy lift vessels.

The scope of work started in June 2014 and the modules were loaded-out by the Hydro Deck's Operations Team. By utilising the Hydro Deck, a dynamically ballastable transition pontoon owned and operated by AG&P ALE Ventures Pte. Limited, it could be kept level with the Module Offloading Facility in order to safely load-out modules.

One of the challenges the team faced was the daily tidal range up to 8.3m. Depending on the berthing layout and water depths, the Hydro Deck could otherwise provide 100% availability for 24 x 7 load-out operations. The Hydro Deck widened otherwise tide-constrained module delivery windows for the Ichthys LNG Project and provided cost-effective and timely module delivery throughout its charter.

The modules varied in weight and size. The heaviest cargo the project team transferred was 1,821t, for which 150 axle lines of SPMT in a 10 file 30 configuration were involved. For the longest module, measuring 73m, 92 axle lines of SPMT in a 4 file 46 configuration were used. The combined total weight of the transferred modules was 41,612t.

Tomas Villarino, Lead Engineer for ALE, said: "The AG&P ALE Ventures operations team of Superintendents, Ballast Engineers, Ballast Operators, Engineers and Mechanical and Electrical Technicians worked seamlessly together, withstanding harsh weather conditions to deliver professional, timely and safe operations without sustaining any Lost Time Injuries.

“We demonstrated the capability of carrying out the tasks and working with client feedback, constantly improving every detail. It was this spirit which maintained the quality and safety throughout the operation.

“It was fantastic to be involved in this landmark project, with the AG&P ALE scope spanning almost two years. In its inaugural charter, the Hydro Deck was instrumental in delivering the modules safely and in a time-effective way that no other piece of equipment could've achieved.”

Mr. Albert Altura, President of AG&P who worked with ALE to solve the challenge for the Ichthys LNG project with the Hydro Deck said: “Being part of such a prestigious project was an enormous opportunity for AG&P that will leave a lasting legacy. The Hydro Deck is a game-changer for infrastructure delivery and exemplifies innovative, customized module delivery.”

AG&P ALE Ventures as a Subcontractor, as well as a number of individual project team members, received recognition awards from client JKC Australia LNG Pty for Incident and Injury-Free (IIF) operations and safety, as well as ALE's Smarter, Stronger, Safer Award for promoting a safe work culture.

**ENDS**

***Issued by the ALE Press Office. For more information or images, please contact Sarah Maia on 01889 272 545 or email [s.maia@ale-heavylift.com](mailto:s.maia@ale-heavylift.com)***

**Image 1: ALE perform the load-out operations using the Hydro Deck.**

## **NOTES TO EDITORS**

### **About the Hydro Deck**

Built in 2014 to Lloyds Register (LR) Survey, the 32,000t DWT Hydro Deck is a mobile port solution used to load-out pre-fabricated modules from heavy lift vessels to the quayside.

AG&P ALE Ventures' Hydro Deck has been designed for the delivery and staging of modules. Thanks to its ingenious and high capacity ballast system, the Hydro Deck can cater to tidal variations in excess of 8m. With unique tidal compensation capacities and 100% redundancy in its ballasting systems, the Hydro Deck can drastically improve overall project schedule and quayside and cargo vessel utilization through optimized logistics. These characteristics also allow the Hydro Deck to be utilized for offshore installation and decommissioning projects, e.g. float-overs and offshore construction support.



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### **About ALE**

ALE delivers strategic heavy-lift services to a wide range of sectors, including civil, oil and gas, energy, nuclear, offshore, renewables, petrochemical, ports, marine, minerals and metals and mining. ALE's proven track record and drive for innovative solutions in heavy transport and lifting is illustrated by its Innovation Series, in which the Hydro Deck forms part of.

ALE has more than 30 offices across Europe, the Far East, Africa, America, South America, the Middle East and Australia. It is fully compliant with international standards of safety and excellence, including Quality standard ISO 9001:2015, Environmental standard ISO 14001:2015, and Occupational Health and Safety management system requirements OHSAS 18001:2007. Further information can be found on the ALE website at [www.ale-heavylift.com](http://www.ale-heavylift.com).

### **About AG&P**

Based in the Philippines, Atlantic, Gulf & Pacific Company ("AG&P") delivers cutting-edge solutions to vessels, plants and projects across the infrastructure lifecycle. AG&P builds the world's infrastructure in Lego-like modules from its two state-of-the-art manufacturing facilities totaling over 150 hectares, each with a deep sea port, 80km south of Manila. AG&P has modularized refineries, chemical, petrochemical, power and water plants, LNG apparatus, mining systems, offshore topsides and civil works. AG&P provides mission-critical, rapid and innovative solutions for infrastructure from the early planning stages all the way through to and including operations. AG&P is also a world-leader in designing, building and operating solutions for the LNG supply chain and application infrastructure delivering the complete engineering, procurement, construction and operating solutions for all aspects of LNG supply and use. With a 116-year heritage, AG&P is committed to the highest safety and quality standards and invests heavily in developing its team of professionals, engineers and technicians through training and education. AG&P improves lives through a diverse range of community development programs offering education, medical services, charity, environmental solutions and relief support to those in need, with an emphasis on the communities where we operate. Further information can be found on the AG&P website at [www.agp.ph](http://www.agp.ph)