



Hydro Deck: a game changer for module delivery

Features:

Measures 140 m x 40 m x 12 m; 1.7 m minimum draft

Unique buoyancy control system, using water and air ballast

Extreme tidal variation handling up to 10 m

Self-sufficient operations in remote areas

Through a joint venture, AG&P ALE Ventures PTY Ltd solved a vexing problem for the LNG project in Darwin, Australia, the world's largest gas infrastructure project. With tidal changes of 8-10 m twice a day, loading in the huge modules and heavy equipment to the site was impossible. AG&P and ALE conceived, financed, developed, built, operated and continue to own the Hydro Deck – the world's first dynamically ballastable transition pontoon with extreme ballasting capabilities.

UNIQUE DESIGN

100% system redundancy
24,000 m ³ /hr capacity water ballast system
12,000 m ³ /hr capacity air ballast system
20 t/m ² uniform deck load with heavy bulkheads and strongpoints
5,600 m ² deck space
20,000 t combined cargo capacity
Designed for maximum SPMT loads and skidding in excess of 10,000 t
Integrated mooring and hydraulic Ro-Ro ramp system
On-board crew day facilities, power generation, hydraulics and fire safety systems
Beaching capability (under load)
Adaptable – optional moonpool, x-point mooring, spud pile mooring and mobile dynamic positioning (DP2)



Certification:

Certified to operate in Australian Territorial Waters

For more information, visit www.agp.ph and www.ale-heavylift.com