

PRESS RELEASE

***Seven Arctic* – A cold climate name that's made for ASEAN waters**

Introducing a new generation Heavy Construction Vessel from Subsea 7

OTC Asia, Kuala Lumpur Convention Center, Hall 2, #B202 - Subsea 7 has revealed the specifications for its new generation Heavy Construction Vessel (HCV), which is to be named the *Seven Arctic*. The vessel, being built in South Korea by Hyundai Heavy Industries' (HHI) Special & Naval Shipbuilding Division for delivery in 2016, is designed in direct response to demand for larger vessels with higher capabilities to execute complex projects more quickly and cost-effectively.

Equipped with a 325mt top tension Huisman Vertical Pipelay System, the *Seven Arctic* will benefit from a 7,000mt MAATS underdeck basket for storage of flexible pipe/umbilical and a newly designed 900mt Huisman Rope-Luffing Knuckle-Boom Crane.

The Huisman Rope-Luffing Knuckle-Boom Crane is a development of the Huisman Pedestal Mounted Offshore Crane and Offshore Mast Crane and uses an innovative (for offshore applications) knuckling system on the main boom which is actuated using wire ropes rather than hydraulic cylinders.

The design maintains knuckle boom functionality for offshore construction activity while not suffering the weight penalty and the associated impact on ship stability when operating conventional knuckle boom crane designs. The result is a crane that is highly versatile and efficient and can be used in 300t, 600t or 900t modes.

The crane's large lift capacity is matched by its unrivalled 58m radius which allows it to move equipment from every corner of the deck. These different modes of operation give flexibility for everyday use, combined with the capability for larger lifts.



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The preliminary vessel design was conducted jointly with Wärtsilä Ship Design Norway, while the detailed design and construction will be completed by HHI.

This will be the second vessel that HHI will build for Subsea 7. In November 2012, Subsea 7 signed a contract with HHI to build a new Dive Support Vessel, the *Seven Kestrel*, which will join the fleet in 2015.

According to Dr Stuart N Smith, Vice President of Technology and Asset Development at Subsea 7, the *Seven Arctic* delivers an important step change in subsea construction capability, particularly in ultra-deep water fields which pose increasingly technical challenges.

He said: "This vessel will offer clients the opportunity to install larger, heavier infrastructure components more quickly. A very specific advantage is that with our principal crane we have chosen to pursue a versatile knuckle boom solution, which will give significant safety benefits by minimising load swing while also offering important advantages in workability."

He added: "We are pleased to be working with HHI and Huisman again to build a highly capable, industry-leading heavy construction and flex-lay vessel."

Executive Vice President, Commercial, Steve Wisely, said: "This is another investment in our world class fleet so that we can continue to meet our clients' demands for executing larger, more complex projects in deep and ultra-deep water and in harsher environments. This is an industry-leading vessel that delivers technical and commercial advantages to all of our clients around the globe."

A photograph showing the surface of the ocean with blue waves and the clear blue water below the surface.

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The *Seven Arctic* in profile:

- Structures installed at depth: the crane allows installation at 400t to 2000m
- Large Deck – at 2600m² the *Seven Arctic* can lift structures with footprints of 24mx24m, or a range of very large complex rigid spools
- Large Under deck basket: 7000mt
- The *Seven Arctic* is equipped with air conditioning for tropical regions

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Notes to editors:

1. Subsea 7 is one of the world's leading contractors in seabed-to-surface engineering, construction and services to the offshore industry. We provide technical solutions to enable the delivery of complex projects in all water depths and challenging environments. Our vision is to be acknowledged by our clients, our people and our shareholders as the leading strategic partner in our market.
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