

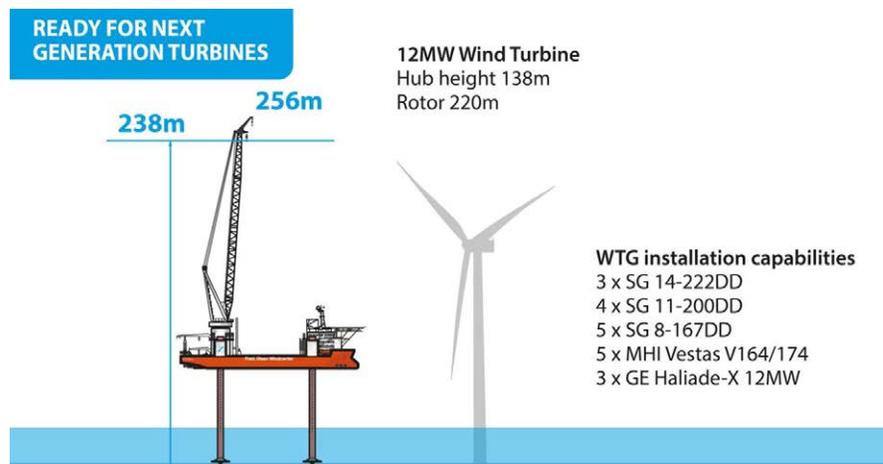
## Fred. Olsen Windcarrier Upgrading its WTI Vessel with a 1600-ton Crane

We are pleased to note that our long-standing Norwegian client Fred. Olsen Windcarrier has ordered a 1600t leg-encircling crane from Huisman Equipment for the “Brave Tern” - one of its Gusto 9000 type jack-up wind turbine installation vessels. This major upgrade will enable the “Brave Tern” to handle all known next-generation offshore wind turbines, including foundations. The illustration shows the height of the new crane, which upon delivery in 2022 will be the highest in the market.

**ICE** was responsible for completing Class drawings and doing the complete detail design for Fred. Olsen Windcarrier’s two Gusto 9000 jack-up vessels, acting as the de

facto design office for the builder, Lamprell Energy. **ICE** has later been entrusted by Fred. Olsen Windcarrier for various modifications of the

vessels for various upgrades and adaptations to meet specific customer-related requirements. The newly announced upgrade is the far biggest so far and shows the versatility of these vessels and how they can be adapted to meet market changes.



## ICE to Sponsor Floating Solutions Conference

**ICE** is proud to be a Gold Sponsor of the World Conference on Floating Solutions 2020 – “Paving the Waves”. The conference will bring together leading international industry experts to share knowledge on floating platform developments. The event will take place at the Floating Pavilion (Drijvend Paviljoen) in Rotterdam, between October 6 and 8 this year.

Presentation of the results from the EU-Horizon 2020 funded research project, Space@Sea, will form an important part of the event. A public demonstration at the facilities of the Maritime Research Institute of the Netherlands (“MARIN”), one of **ICE**’s partners in the three-year long research project, will form part of the event.

*The pictures show the Space@Sea scale model demonstration tests being performed at MARIN.*



## Summer Holidays

The Covid-19 pandemic has upset the best laid plans. During the first half of this year, almost all of ICE's clients have been forced – either by projects being delayed or cancelled or by Government instructions – to suspend or delay work or postpone or cancel expected new contracts. As a consequence, ICE – like most other companies – has had to adapt to a substantially reduced and rapidly changing workload. One way to do so has been to ask those employees who could take early holidays to do

so. As a consequence, this summer ICE will not as normal have a common holiday period. Many of our employees will take time off in August but our offices will remain open and ongoing contracts will progress as normal.

**We wish all our customers, employees and business associates a continued nice summer and hope all will stay safe and healthy during these unusual times.**

## Isle of Man Ship Registry Awarded US QUALSHIP 21 Status

ICE is pleased to congratulate its neighbour, the Isle of Man Ship Registry, for once again having been included in the United States Coast Guard's "Quality Shipping for the 21st Century" (QUALSHIP 21) Program - one of the world's top standards for ships. Following the USCG award, the Ship Registry will retain the 'QualShip-21' and 'E-Zero' status up until July 2021.

The QUALSHIP 21 program recognizes vessels and flag states that have successfully met specified safety and quality requirements and regulations when calling at ports in the US. For a flag state to qualify, their detention ratio must be less than 1.0% over the last three-year period. During 2019, Isle of Man registered ships had 132 safety examinations in the United States and had zero detentions.



Image Courtesy: Isle of Man Yacht Club

### FROM OUR PROJECT PORTFOLIO: CONVERSION OF A TRAIN FERRY TO THE DP FLOATING PRODUCTION UNIT (FPU) "HELIX PRODUCER 1"

#### Scope of Work:

Basic and detail design for steel structure, outfitting, piping, DP system and associated yard technical support

**Client / Shipyard:** Viktor Lenac, Croatia

**Owner:** Helix Energy Solutions Group Inc., USA

**Year:** 2006 -08



Image Courtesy: shipspotting.com



### ENGINEERING CERTAINTY

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With a 55-year track record and an annual output having exceeded 700,000 professional engineering man-hours, the International Contract Engineering (ICE) Group is Europe's largest independent ship design consultancy. We provide high-calibre multi-discipline design services to yards and owners in the commercial shipping, defence and offshore energy industries, ranging from conceptual studies and Class drawings to detail design and production information. We cover a full range of naval architecture and marine engineering disciplines such as hydrodynamics, structural, mechanical, piping, electrical, instrumentation, outfit and HVAC. Our experience includes gas carriers, passenger vessels, navy and coast guard ships, chemical tankers, drill ships, FSO/FPSOs and a range of other vessels. We also have available proprietary designs that can be adapted to clients' requirements.

With our head office in the Isle of Man and engineering facilities in Romania and Croatia, we provide high quality design and engineering at very competitive prices.