

## Abadi FPSO Kick-off Meeting for Hull Engineering FEED

ICE Engineering Services UK Limited ("ICE") has signed a contract with STTM, an Indonesian joint venture formed by Saipem, Tripatra and McDermott, to deliver hull engineering services for the Abadi Floating Production Storage and Offloading (FPSO) vessel. The agreement, signed by ICE in London on 10 October 2025, covers Front-End Engineering Design (FEED) and early engineering activities in support of STTM's bid for this major INPEX-led subsea gas development offshore Indonesia.

On 17 October, representatives of STTM and ICE gathered at ICEPRONAV Engineering's design office complex in Galați, Romania, for the project kick-off meeting together with representatives from INPEX

Masela Limited. Discussions focused on project execution, alignment of engineering interfaces, and establishing effective communication channels between the consortium teams.

ICE's Abadi FPSO project

involvement builds on ICE's extensive experience in FPSO marine design, gained from nearly 50 previous FPSO and FSO projects including technical studies, conversions and newbuilds.



*Image: Representatives of INPEX, Saipem, Tripatra, McDermott and ICE at the project kick-off meeting in Galați, Romania, 17 October 2025.*

## HEA Hydra – A Testament to Enduring Design

The offshore jack-up vessel HEA Hydra (formerly Seajacks Hydra) has successfully passed its first U.S. Coast Guard Port State Control inspection in Jamestown Anchorage, Rhode Island, earning a clean report and full operational clearance.

Originally delivered in 2014 and first featured in ICE's newsletters over a decade ago, the GustoMSC designed vessel had ABS-approved Class drawings and detailed design developed by ICEPRONAV Engineering SRL for Lamprell, its (then) Isle of Man-owned and UAE-based builder. Its continued performance highlights the

lasting quality and reliability of ICE's engineering.

The vessel, one of three GustoMSC NG2500X-class units designed by ICE, was built for Seajacks UK Limited, which was later acquired by Eneti Inc., now part of the Cadeler offshore wind turbine installer, listed on the Oslo and New York stock exchanges. Sold by Eneti in 2023, the vessel now operates as part of HEA Energy's fleet. More than ten years after her launch, HEA Hydra continues to stand as proof that solid design lasts.

*Image: Seajacks Hydra at Falmouth Docks*



## ICE Extends Collaboration on Floating Hydrogen and Ammonia FPSO

ICE Marine Design Group has extended its collaboration with Switch2 BV, a Dutch clean energy developer, to further develop a Floating Production, Storage and

Offloading (FPSO) hull concept designed for green hydrogen and ammonia production.

ICE's scope includes the full hull

concept design, covering structural layout, integration with topside production modules, liquid ammonia storage arrangements, and marine systems to enable mooring, offloading and safe operation in offshore and near-shore environments.

"We are pleased to continue our collaboration with Switch2 on this innovative project," said Cristinel Chiriac, ICE's Project Manager. "ICE's design contribution supports what may become one of the world's first ammonia FPSOs, helping to advance decarbonisation in sectors such as shipping and heavy industry."



Image: ICE conceptual design of the Green Ammonia FPSO.

## ICE to Exhibit at Marintec China 2025

ICE Marine Design Group will again participate in Marintec China, one of the world's largest maritime exhibitions, taking place in Shanghai from 2-5 December 2025. ICE will exhibit as part of the UK Pavilion, located in Hall N3.

ICE will be represented by Steinar Draegebo, Chairman & CEO, and

Dragos Totolici, Head of the Initial Design Department.

At this year's event, ICE will highlight its extensive FPSO and FSO design experience and will present its generic FPSO hull designs available for licensing. The company will also feature its DeltaLifter and SkyTug design

concepts, innovative examples of ICE's commitment to developing safe, efficient and sustainable solutions for offshore energy and marine operations.

Visitors are invited to meet the ICE team at the UK Pavilion to discuss ideas and opportunities. The team are look forward to seeing clients and other friends there.

### FROM OUR PROJECT PORTFOLIO::DOUBLE-ACTING CONTAINER/CARGO SHIP FOR ARCTIC OPERATIONS (MS NORILSKIY NICKEL)

**Scope of Work:** Detail Design and Production Information for Hull and Outfitting for a Double-Acting Arctic Container Vessel

**Client/ Shipyard:** Aker Ostsee, Aker Finnyards

**Owner:** Mining and metallurgical company "Norilsk Nickel"

**Year:** 2004 - 05



### ENGINEERING CERTAINTY

International Contract Engineering Limited, 19-21 Circular Road, Douglas, Isle of Man, IM1 1AF British Isles  
Tel: +44 (0)1624 623 190 | Fax: +44 (0)1624 628 297 | [www.icedesign.info](http://www.icedesign.info)  
ICE Engineering Services UK Limited, UK Registration no. 05981929/2006

With a 60 year track record and an annual output having exceeded 700,000 professional engineering man-hours, the International Contract Engineering (ICE) Group is one of Europe's largest independent ship design consultancies. 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 competitive prices.