

NEWSLETTER



Generic FPSO Design Focused on Sustainability

Based on its experience from more than 40 FSO and FPSO projects, **ICE** has released a new FPSO Hull design with emphasis on sustainability and flexibility.

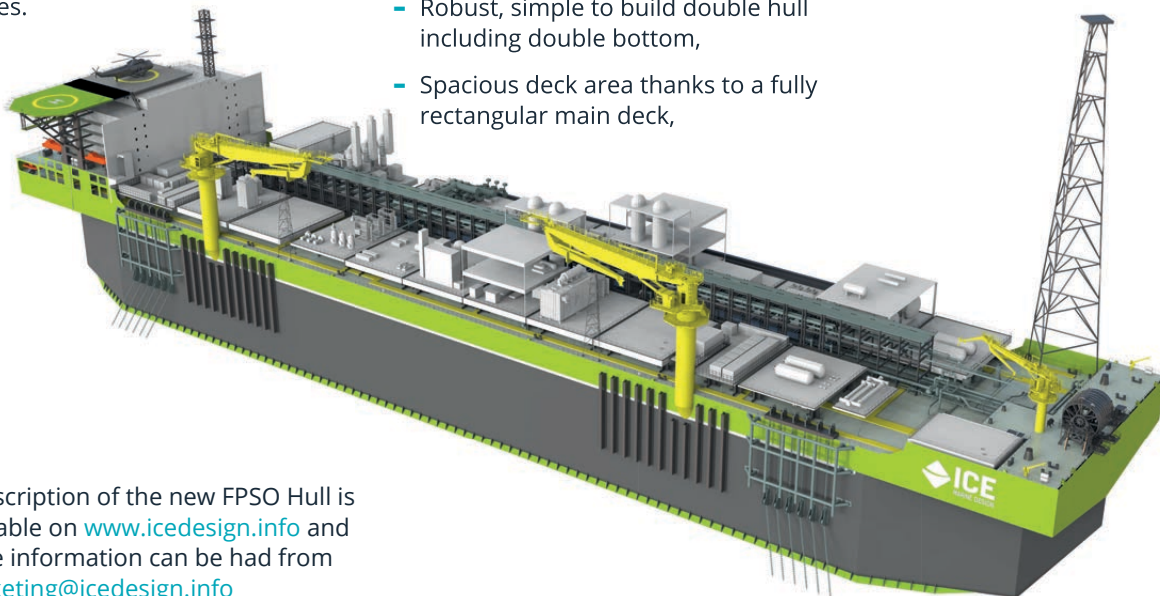
Measuring 330 by 62 metres, the G-2400-SM Hull has a storage capacity of 2.4 million barrels of oil. It can carry a range of topside configurations of up to 40,000 tonnes.

The main features of the G-2400-SM FPSO Hull are:

- Well-balanced hydrodynamic and motion characteristics for deep-water fields in harsh metocean conditions,
- Symmetrical hull form, allowing either end to be positioned towards the prevailing weather,
- Robust, simple to build double hull including double bottom,
- Spacious deck area thanks to a fully rectangular main deck,

- Spread mooring, with options for turret mooring.

The new design is focused on low emission and high energy efficiency through integration of systems such as: HC gas blanketing, VOC recovery, waste heat recovery, fuel management, HVAC energy recovery, etc.



A description of the new FPSO Hull is available on www.icedesign.info and more information can be had from marketing@icedesign.info

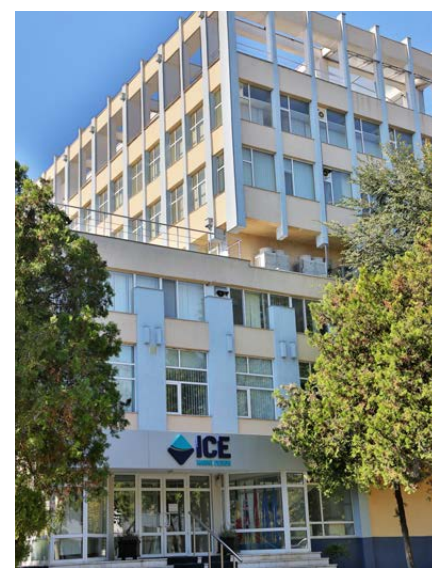
“All onboard” Again in ICE Offices

In March, concerns about the COVID-19 pandemic caused **ICE** to start work-from-home. Thanks to our employees diligently observing all precautionary measures, we are happy to note that no **ICE** employees or their families have been infected by the virus.

Work-from-home inherently introduces heightened risks of cyber-attacks and we have seen companies being forced to shut down operations for days on end due to breach of their IT systems by hackers.

Thanks to valiant efforts by our IT experts, **ICE** has so far managed to successfully combat such problems; however, we are happy from the beginning of July to be able to again have all employees back into the much more protected office environment.

We are looking forward to our customers also gradually returning to business as usual, whilst we all continue to observe remaining restrictions to help avoid any “second wave” of the pandemic in the areas where we operate.



ICE Passes ISO 9001:2015 Audit - Remotely!

In June, DNV-GL Business Assurance performed the annual periodic audit on the ICE's Quality Management System (QMS), to verify its compliance with the requirements of ISO 9001:2015. In addition, the audit scope included verification that the quality management system has been successfully extended to ICE's Branch Office in Split, Croatia. To observe social distancing as well as travel restrictions, the audit was conducted remotely using our videoconference system.

We are pleased to note that ICE has successfully passed the audit. In the closing meeting, the auditors recognised the efforts made by the teams in Galati and Split to successfully align their processes.

Accordingly, a new DNV-GL ISO-9001 certificate was issued, valid up until 28 July 2022.

190th Anniversary: Isle of Man Steam Packet Company

ICE is pleased to congratulate the Isle of Man Steam Packet Company with its 190th birthday, making it the oldest continuously operating passenger shipping company in the world.

The company was formed in response to the need for a regular ferry service to the Island. On 30th June 1830, the company's first steam engine ship, named Mona's Isle, was

launched from the yard of John Wood & Co, in Glasgow. Today the Steam Packet Company annually carries some 600,000 passengers and 170,000 cars and is the Island's lifeline for freight.

Pictured here are Steam Packet Company vessels (conventional ferry Ben-my-Chree and fast craft Manannan) in Douglas Harbour.



FROM OUR PROJECT PORTFOLIO: ANTARCTIC SUPPLY RESEARCH VESSEL – NEWBUILD (RSV NUYINA)

Scope of work: Yard supervision during construction, development of ship's guide book and document management

Client / Shipyard: Serco Defence, Australia / Damen Shipyard Galati, Romania

Year: 2017 -20



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.