



The International Contract Engineering (ICE) Group is one of Europe's largest independent ship design and marine engineering consultancies, with an annual capacity of more than ½ million professional engineering man-hours. Headquartered in the Isle of Man, the Group has been in business more than 40 years. It offers a full range of high caliber, cost-effective engineering and design services, either in its own design offices in Romania or at clients' sites.

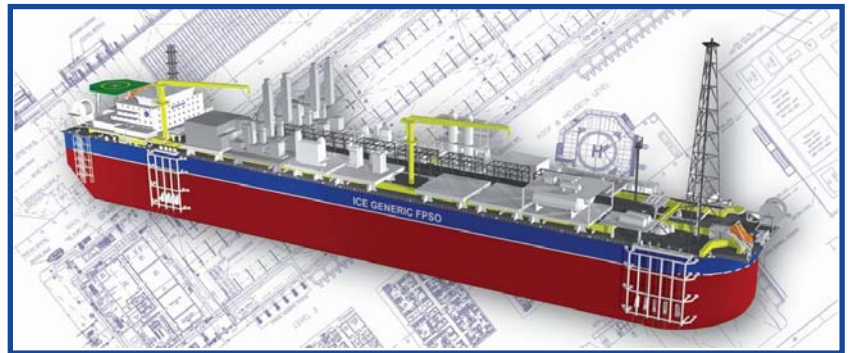
The ICE Group is today engaged with projects for the offshore oil & gas industry and with design of commercial, naval and coast guard ships. ICE undertakes the full design scope from conceptual design through class drawings, detail design and production information and also advises clients on build strategy, project management, shipyard layout and productivity.

The Group's experience includes design for new construction and conversion of a wide range of vessels including tankers, bulk carriers, passenger cruise vessels, ro-ro ferries, naval patrol vessels, frigates, corvettes, jack-up drilling rigs, LNG and LPG gas carriers, semi-submersible drilling rigs, offshore service vessels, FSOs, FPSOs, research vessels and fixed offshore production platforms.

Clients include leading shipyards, ship owners and offshore industry contractors throughout Europe as well as in Brazil, Canada, China, India, the Middle East, Singapore and the US.

Another FPSO Design Contract for ICE

OSX Leasing Group B.V. – part of the dynamic Brazilian EBX group – has awarded ICE a contract to adapt one of ICE's proprietary generic floating production storage and offloading ("G-FPSO") vessel designs to suit the requirements of OSX. ICE's construction-friendly and adaptable G-FPSO hull design has earlier attracted attention in Brazil and has previously been selected by another major Brazilian contractor for a bid to Petrobras.



Generic FPSO Hull of 1.6 mill bbl capacity developed by ICE.

OSX Leasing Group B.V. is a subsidiary of OSX Brasil S.A., a Brazilian publicly held corporation focused on the supply of equipment and services to the Brazilian offshore oil and gas industry. OSX is developing the largest shipyard in the Americas (the Açú Shipbuilding Unit), and has an impressive backlog of new offshore-related investments.

ICE is currently performing design on the conversion of the OSX-2 FPSO, as a subcontractor to another contractor. The new contract with OSX is the first contract ICE has won directly from a subsidiary of the EBX Group.

ICE has so far performed more than 30 FSO/FPSO-related contracts, and has worked dedicatedly for several years to win a share of the Brazilian marine design market.

ICE in Singapore Trade Show



Last month, ICE participated as an exhibitor at the Asia Pacific Maritime (APM) trade show in Singapore and also visited former and potential new clients in the area.

Arranged for the 12th time, APM is one of Asia's most established maritime exhibitions. The event gathered this year over 1,300 leading international maritime companies from across 53 countries.

The Singapore trade show is one out of four trade shows in which ICE is present as an exhibitor this year.

ICE stand is shown here with: Steinar Draegebo, ICE Group Chairman and Nicu Crapenco, ICE Group Business Development Director. Picture courtesy of David Millar.

ICE extends AVEVA Marine Agreement

With 150 licenses, ICE is one of the largest Tribon 3D software users in Europe. ICE has for the last two years had an agreement with AVEVA, the licensor of Tribon, to switch over to its more modern 3D software AVEVA Marine. In response to customer requirements for upcoming contracts, ICE last month extended its agreement with AVEVA for another three years and has now started systematic training of its designers in AVEVA Marine software.

ICE will still have available Tribon licenses and will be able to provide services using Tribon as well as AVEVA Marine software.



Pictured here is the AVEVA instructor with the first series of trainees in Icepronav's modern conference and training centre in Galati.

Wartsila Ship Design visits Icepronav



Pictured here are: Wartsila Directors and ICE senior management represented by Steinar Draegebo, Alina Florea and Nicu Crapenco.

Among Icepronav's international visitors last month were Andrea Morgante, Project Management and Engineering Director at Wärtsilä Ship Design Norway AS and Jan Othman, Managing Director at Wärtsilä Ship Design Germany GmbH. ICE has recently performed detail design as a subcontractor to Wartsila Ship Design and the two companies – which are of equal size with about 300 employees each – are exploring potential cooperation on new projects.

The Wartsila representatives toured the main design office and the testing facilities and were briefed of the on-going projects at ICE by ICE senior management. The visit was a follow-up to a visit of the ICE Chairman to Wartsila in Norway recently.

From Our Project Portfolio

Self-propelled Jack-up Offshore Installation Vessel

Scope of Work:

Completing basic design; Tribon 3-D model, all detail design and production information

Year: 2010 -11

Client/Shipyard: Lamprell Energy PLC, UAE

Owner: Fred. Olsen Windcarrier, Norway



Brave Tern floating. Image courtesy of Fred. Olsen Windcarrier AS.