



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 almost 50 years. It offers a full range of high caliber, cost-effective engineering and design services, either in its own design offices in Romania and the UK 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, procurement, 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, drill ships, 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, Japan, Korea, the Middle East, Singapore and the US.

Chairman's New Year's Message

2015 will be a challenging year for shipbuilding as well as for the offshore energy service industries. The dramatic reduction in the price of oil in the last half of 2014 has resulted in a need for cost cutting, and many capital investment projects have been postponed or cancelled. This in turn has resulted in reduced requirements for engineering services; we have already seen substantial capacity reductions and lay-offs in several marine and offshore industry design and engineering companies.

ICE is well positioned to deal with these adverse market conditions. We have a solid economy and we have systematically built up a reputation for reliably delivering innovative and cost-effective services, on time. We have for years diligently invested in training and technology to make us cost competitive; as a result we offer charge-out rates that are much lower than those of several more well-known international engineering companies with technology and know-how similar to ours. We enter the New Year with a good backlog of work and several prospects for new contracts with repeat and new clients.

I sincerely thank our clients for their cooperation and for the valuable business they have given ICE in 2014. I also thank our employees for their dedication and tremendous efforts, which enabled us to meet our clients' requirements and made 2014 our best year ever. I wish all ICE clients, employees, subcontractors and other business associates and their families a happy, healthy and prosperous New Year.

Steinar Draegebo, ICE Group Chairman.



The picture shows ICE's stand in Dubai with Steinar Draegebo (centre), Marcel Negraia, ICE Project Manager (right), and Gordon Stephen, ICE Senior Consultant.

ICE in UAE Trade Show

ICE recently participated as an exhibitor at the Seatrade Middle East Maritime (SMEM) trade show in Dubai, as part of the UK national pavilion.

The exhibition proved to be an excellent opportunity to meet clients and to make more companies within the Middle East marine industry aware of the capabilities of ICE. The ICE team combined its presence at the trade show with visits to existing and potential new clients in Abu Dhabi, Dubai and Sharjah.

Held for the 7th time, the Dubai event gathered 298 exhibiting companies from 34 countries. National pavilions included those of China, Malaysia, Singapore, Qatar, Saudi Arabia, and the United Kingdom.

Successful Completion of Drill Ship Design Project

In October 2012, ICE started the detail design of the first of a series of deep water harsh environment drill ships to be built at a new world-class shipyard in Brazil. ICE had earlier developed much of the basic design of this compact drill ship as a subcontractor to GustoMSC, the basic design originator.

The Brazilian client subcontracted part of the first drill ship to a Japanese shipyard; as a result, ICE has had a small team of engineers stationed in Japan to assist the Japanese yard. The detail design was performed using AVEVA Marine software, whilst AVEVA Global was successfully used to provide coordination among teams located in Romania, Brazil, Japan and the US, where the drill package was designed.

The drill ship design schedule was challenging, particularly since it involved many parties and ICE was

repeatedly asked to take on additional work, ultimately making this ICE's largest contract in terms of engineering man-hours. It also overlapped with ICE's ongoing contract for a major FSO conversion design for a Norwegian client. ICE nevertheless managed to ramp up its number of employees and temporarily also relied on its network of subcontractors. As a result, at the end of 2014 ICE had substantially met all its delivery requirements and had developed a compliant detail design package within the agreed schedule. At the peak, more than 200 ICE engineers and naval architects worked on the project.

ICE is pleased to have been asked to provide its client with further technical support in 2015 and is looking forward to be entrusted with further work from clients in Brazil and elsewhere that are looking for a reliable, experienced and cost-effective engineering partner.



The picture shows the team assigned to the drill ship project following a pre-Christmas project wrap-up meeting at ICE's office in Galati, Romania.

From Our Project Portfolio

Self-propelled Jack-up Offshore Wind Turbine Installation Vessel – “Seajacks Hydra”

Scope of Work:

ICE's scope of work – starting from the GustoMSC Basic Design – included preparation of supplementary Class and functional design documentation to ABS, development of the complete AVEVA Marine 3-D model, preparation of all detail design and production information required by Lamprell to procure equipment and materials, construct, commission and deliver the vessel to Seajacks on schedule.

Year: 2012 -13;

Client/Shipyard: Lamprell Energy Limited, UAE

Owner/Operator: Seajacks, UK.



Photo courtesy: Seajacks.