



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.

Meet ICE at Nor-Shipping in Oslo

International Contract Engineering (ICE) will again be exhibiting at Nor-Shipping, the major maritime industry event of the year in Oslo, Norway. The exhibition will take place May 24 – 27 at the Norway Trade Fairs at Lillestrom.

ICE's stand will focus on Icepronav's FPSO and drill rig platform design experience and will showcase the overall naval architecture and marine engineering of the Group.



**We look forward to seeing clients and friends
at our stand no. D06-14, hall D - inside
the Romanian pavilion.**

Brazilian Drill Ship Prospects

ICE has received a Letter of Intent from the Brazilian Galvao-Alusa consortium for detail design and provision of various consulting services in connection with a multi-year program for construction in Brazil of a series of drill ships. ICE has earlier assisted SBM Gusto with development of the design of the drill ship, known as the "PRD 12000 Qdrill".

Last month, Galvao-Alusa arranged an important project Workshop in Rio de Janeiro, involving the key participants and suppliers for its Qdrill project. ICE was represented by Robert Swan, President and Nicu Crapcenco, Managing Director. In addition to representatives from Galvao-Alusa and ICE, the Workshop was attended by senior managers and technical experts from Aker Maritime Hydraulics, Odfjell Drilling, Odfjell do Brasil, Det Norske Veritas and SBM Gusto.



Delegates group picture at the Workshop.

ICE has earlier provided various consulting services to Brazilian clients. Brazil currently represents one of the world's most exciting markets for platforms and vessels associated with deep water development of offshore oil & gas resources. ICE has worked dedicatedly for several years to win a share of the Brazilian marine design market; being selected by a consortium of two prominent Brazilian construction groups for a key role in the expected multi-billion dollar drill ship project is an important milestone in that effort.

Successful Launch of 32,000 tdw Bulk Carrier

ABG Shipyard in India has launched the first of a series of ten 32,000 tdw high-efficiency bulk carriers. The vessels have been designed by ICE, and scale models of the vessels were extensively tank tested in ICE's own towing tank to optimise the hull form and thus obtain superior fuel economy. The vessels are designed to Class NK rules.

ICE congratulates ABG with the launch; not only has the yard managed to build a vessel of high quality but it has done so when also constructing a new shipyard. ICE is looking forward to continued business with ABG as well as with other Indian clients.



Semi-submersible Drilling Rig Design Services



*Photo courtesy
Westcon.*

ICE has won a contract from the prominent Norwegian shipyard and offshore platform specialist Westcon to perform detail design engineering services including material handling for the Scarabeo 8 project.

Scarabeo 8 is a semi-submersible rig of "Moss CS 50 MkII" design, with dynamic positioning (DP) for operation at extreme depths under harsh weather conditions. Scarabeo 8 is currently in the Westcon shipyard in Olen, Norway, for the commissioning, operational tests, and replacement of some components damaged by the fire in June, 2010.

When completed, Scarabeo 8 will operate for ENI Norge at the Goliat field in the Barents Sea.

From Our Project Portfolio

FPSO Conversion

Scope of Work: Piping system review; P&ID updating; etc.

Year: 2010

Client: SBM Offshore Monaco

Shipyard: Keppel FELS, Singapore

Operated by: Woodside Energy Ltd., Australia



FPSO 'Okha'.