NEWSLETTER

MARCH 2018

ICE MARINE DESIGN

Shallow-draft 20,000 cum LNG Carrier

Working closely with a major operator of gas ships, ICE has developed a “milk run” LNG distribution tanker with a cargo capacity of 20,000 cum. The gas is contained in two type C semi-pressurised and fully refrigerated bi-lobe cargo tanks.

The vessel’s dual-fuel propulsion system is designed to normally operate on boil-off gas (BOG), whilst having the ability to alternatively run on distillate fuel. This solution allows the vessel to comply with sulphur emission control area (SECA) restrictions and to manage the amount of BOG during fully laden trips. The unusually low draft and high manoeuvrability would allow the vessel to supply LNG to terminals and end users in location that has so far not been serviced by ocean-going LNG carriers.

ICE Hosting Industry Meeting

ICEPRONAV Engineering hosted last month the quarterly meeting of the Romanian Shipbuilders Association (ANCONAV).

Dragos Totolici, ICE Principal Engineer briefed the meeting on ICE’s participation in 3-year EU Research & Innovation Programme. aiming to develop cost-effective floating islands to be used as a logistics, housing, energy and/or agricultural base offshore.

Wind Farm Service from the Isle of Man

At the end of 2017, MHI Vestas Offshore Wind started using the Isle of Man as service base for a new offshore wind farm in the Irish Sea. Their local office contacted ICE with an urgent request to design a structure to ensure safe embarkation and disembarkation of its personnel. The requirement was twofold: (a) to get approval of MHI Vestas’ Health and Safety supervisor as to the adequacy of the structure and (b) to enable a local company to quickly manufacture and install the end product; both objectives were successfully achieved.

ICE’s Isle of Man employees every year fly thousands of miles to market the Group’s services, manage design contracts and provide assistance to customers around the world. It was pleasant for them for once to have a client located five minutes-walk from ICE’s office, and contribute to the safety of the wind farm operations within sight of the Island.

Picture of Douglas, the Isle of Man harbour.

RINA New ICE Tenant

In 2010, ICE established a separate property management company to develop the Group's properties and attract additional tenants to its Galati facilities, which formerly accommodated more than one thousand technical, scientific and support staff.

Last month ICE welcomed as a new tenant the local office of RINA , the well-known Italian ship classification society. RINA joins another two leading international classification societies – Lloyd's Register of Shipping and DNV-GL – which both have rented office space from ICE for several years.

The addition of RINA reinforces the marine technology centre status of ICE's Romanian office. It is at the core of a long-established ship technical cluster that also include three large shipyards (Vard Tulcea, Vard Braila and Damen Galati), the naval architecture faculty of the Galati University, and several ship equipment companies and smaller ship design companies.

FROM OUR PROJECT PORTFOLIO: HYDROGRAPHIC & OCEANOGRAPHIC RESEARCH VESSEL

Scope of Work:
Workshop drawings & production information

Client/Shipyard: Chantier de l'Atlantique, Saint-Nazaire, France

Owner: French Research Institute for Exploitation of the Sea (IFREMER) / French Navy

Year: 2003 -04

Class: Bureau Veritas

Image Courtesy: www.shipspotting.com

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ENGINEERING CERTAINTY

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With a 50-year track record and an annual capacity of 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 our main engineering facilities in Romania, we provide high quality design and engineering at very competitive prices.