

NEWSLETTER



Chairman's New Year's Message

2016 was a bad year for the shipbuilding industry. Many shipyards lost money and few new ships were ordered. World-wide, the compensated gross tonnage (CGT) was only about half of what was ordered at the depth of the 2008 financial crisis, the previous low point for the industry. Coinciding with a very low level of new offshore oil & gas industry investments, this resulted in a hugely challenging market for marine design companies.

Thanks to repeated contract extensions and several new service requirements from established customers, 2016 nevertheless turned out satisfactory for ICE. We benefitted from our employees' willingness to undertake secondments abroad; in 2016 we had teams of ICE naval architects and engineers at shipyards in Japan,

Poland and the US. It is an indication of our customers' satisfaction that all those secondments continue into 2017.

2017 will bring continued challenges, which I am confident ICE will tackle successfully. Potential customers are increasingly becoming aware of our competitive cost structure and capacity to efficiently handle demanding marine design jobs, world-wide. With a 50-year track-record we have the experience and flexibility to serve customers in most sectors of the marine industry, including builders of passenger cruise vessels, gas carriers, naval ships and a wide range of offshore platforms.

I am grateful for the trust our customers and other business associates continue to show in ICE, and I thank our employees for their dedicated work that helps us earn that trust. I wish everyone a Happy New Year!



Steinar Draegebo, OBE

ICE Group Chairman & Chief Executive

ICE Sponsoring Galati University Students

ICE has a long tradition in cooperating with the Mechanical Engineering and Naval Architecture Faculties of the "Dunarea de Jos" University of Galati, Romania, from where many of our employees received their academic degrees. As an industrial partner of the University, ICE supports academic activities, as well as students' summer internships, international Master's degree internships, technical support for the preparation of Bachelor or Master thesis, etc. To further support such activities, ICE has recently again made available a substantial grant to the University, in part to support merit based scholarships.



Pictured here are students majoring in Naval Architecture at the Galati University who took part in ICE's 2016 Internship Program.

ICE Director Appointments

To meet new challenges and widen ICE's scope of services, the following organisation changes are in effect in Icepronav Engineering SRL in Galati, Romania:

Sorin Brazdis is appointed Director of Operations, with responsibility for all projects and other technical activities. Sorin holds a PhD in structural analysis and has for several years been Project Manager for ICE – prior to that he managed the Structural Engineering Department.

Alina Florea is appointed Director of Administration, responsible for administration and support functions in Icepronav Engineering SRL. She will also remain responsible for administration of ICE Property Services SRL and will in addition undertake various new projects at ICE Group level. Alina holds a MSc degree in naval architecture plus the degree of Master of Business Administration (MBA). She joined ICE 13 years ago as Project Director.

To support Sorin, **Petrica Necula** is appointed as Technical Director, in direct charge of the technical department managers. Petrica holds a MSc degree and has for many years been head of the deck machinery and outfitting department; for a period, he was also seconded to support an associated ICE company in Norway.



FROM OUR PROJECT PORTFOLIO: CRUISE SHIP "OASIS OF THE SEAS"

Scope of Work:

Technical assistance - detail design hull outfitting.

Class: DNV

Operator: Royal Caribbean International

Year: 2008

Shipyard: STX Europe (formerly Chantiers de l'Atlantique)



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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.