

NEWSLETTER

JANUARY 2023



Chairman's New Year's Greetings

Following my recent semi-annual briefing to employees, I had the pleasure of hosting nearly all ICE employees and several pensioners at a pre-Christmas drinks reception. It was our first such in-person social gathering after the start of the Covid pandemic, and a sign that business hopefully is getting back to normal despite many geopolitical and economic uncertainties in the world.

As usual, the briefing was an opportunity to inform our employees of new and expected contracts, some of which are subject to confidentiality restrictions. Together with ongoing projects from 2022, recent contracts will give us a busy start of the New Year and will require us to hire additional employees.

The last years have been difficult for our industry, and for ICE. Our largest customer delayed an expected contract

start-up and later closed its operations when the pandemic struck, and eventually fell into receivership. Other clients suspended two important contracts and delayed expected ones due to sanctions or for other reasons. Travel restrictions made client visits exceedingly difficult. Through cost cutting and sacrifices at all levels, we have nevertheless succeeded in maintaining ICE's core competencies and we are now ready to rebuild our capacity to take advantage of upcoming business opportunities.

I thank our employees for their loyalty and dedication, and I am hugely grateful to our customers and other friends for their continued support and belief in ICE. We are still facing challenges, but I am convinced we will have better times ahead.



I wish everyone a peaceful, safe and Happy New Year!

Steinar Draegebo
ICE Group Chairman & Chief Executive

ICE Introduces its Thames Class Offshore Patrol Vessel (OPV) Design

ICE has for many years provided navy and coast guard ship design for clients in Canada, France, Germany, Greece, Romania, Thailand, the UK, and the US. Based on extensive experience from both commercial and naval shipyards around the world, ICE has recently developed a proprietary OPV design named the Thames Class.

ICE designed the Thames Class vessels to support a wide variety of missions, including EEZ surveillance, coastal water security, safety at sea and humanitarian aid. Unlike many OPV designs offered by traditional defence contractors, the Thames Class OPV incorporates proven and commercially available equipment and systems in applications where much more expensive military grade solutions

are not needed. The result is a base vessel that is cost-effective to build, operate and maintain, and which can be readily adapted to individual needs and to meet changing requirements.

The 85.5 metre, abt. 2,000 tonne OPV has a top speed of 22 knots, with an endurance range of 4,500 nm, while accommodating a complement of up to 60, with accommodation for an additional 30 auxiliary or special forces personnel.

ICE's naval architects and structural designers optimized the hull for constructability, speed, and good seakeeping. ICE can offer the design with or without a helicopter hangar.

The Thames Class OPV incorporates valuable "lessons learned". In addition to a design package customised to individual specifications, ICE can provide programme management support, cost estimates, build strategy, procurement assistance, construction supervision and commissioning assistance, all tailored to individual yards.



A description of the new Offshore Patrol Vessel (OPV) is available on www.icedesign.info and more information can be had from marketing@icedesign.info

Children's Christmas Party

December was the time for ICE's traditional Christmas craft workshops for employees' children. Christmas tree decorations and assembling creative block models

were the theme this year. A huge thank you to ICE kids and to their parents for the participation! It was a perfect opportunity to spend time together getting creative and getting

into the Christmas spirit.

Here are some of the photos from the event; a video collage is also available on this link: <https://www.icedesign.info/icekids-2022/>



FROM OUR PROJECT PORTFOLIO: GUNBOAT - HELLENIC NAVY (FOUR SISTER VESSELS)

Scope of Work:

Basic design electrical, global 3D FEM analysis, and detail design for complete ship. Shipyard assistance and follow-up.

Client / Shipyard: Hellenic Shipyards SA, Greece

Year: 2001 -04

Principal Dimensions:

Maximum length: 56.5 m

Maximum width: 10 m

Maximum draft: 3.6 m

Displacement: 575 tons



Image Courtesy: www.shipspotting.com



ENGINEERING CERTAINTY

International Contract Engineering Limited, 19-21 Circular Road, Douglas, Isle of Man, IM1 1AF British Isles
Tel: +44 (0)1624 623 190 | Fax: +44 (0)1624 628 297 | www.icedesign.info
ICE Engineering Services UK Limited, UK Registration no. 05981929/2006

With a 55-year track record and an annual output having exceeded 700,000 professional engineering man-hours, the International Contract Engineering (ICE) Group is one of Europe's largest independent ship design consultancies. 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 engineering facilities in Romania and Croatia, we provide high quality design and engineering at very competitive prices.