Icepronav Engineering

Accelerated design and analysis enables innovative design and engineering solutions for the marine and energy-related industries

One of the most prestigious design and naval engineering companies in Europe uses Femap with NX Nastran to speed development, reduce costs and comply with stringent industry regulations.

Comprehensive naval design and engineering services
Icepronav Engineering SRL, part of British private equity group International Contract Engineering (ICE) Group, possesses more than 40 years of experience in ship design and 300 shipbuilding specialists. Its storied history includes once playing the unique role of design house for the entire Romanian shipbuilding industry. ICE is one of the most renowned naval design and engineering companies in Europe, featuring a broad base of customers principally coming from three sectors: defense, commercial ship building, and oil and gas exploitation.

The group provides naval design and engineering services for the construction of ships and offshore structures. Its services include strategy, preliminary concept design, technical design and classification, evaluation, spatial relationship and collision analyses, project execution, bill of materials (BOM) management, compliance administration, production data management, documentation and reporting.

Icepronav Engineering provides design and engineering services involved in the creation of technical documentation needed for the construction of ships and offshore structures. To address the

Products
Femap, NX

Business challenges
Performance evaluation and virtual testing
Efficiency
Certification to the highest standards

Keys to success
Access to advanced, high-value technology solutions
Faster design iterations
Ease in handling complex functional design shapes and assemblies

Results
Virtual validation of performance before ship testing and construction
Accelerated analysis
Reduced time needed for product development
Reduced operations costs
Digital compliance/certification
Significantly improved collaboration
Greater innovation
“The capacity of Femap to combine different elements and techniques is a key factor in providing the speed and precision needed for the analyses that we do.”

“The solutions recommended by ADA specialists have assured support for safe, optimized models within the shortest design cycle, consistent and easily accessible results to all users across our enterprise.”

Alina Florea
Managing Director
Icepronav Engineering

Femap with NX Nastran...is especially advantageous in helping handle regulatory compliance for naval applications.

According to Icepronav Engineering’s management, Siemens PLM Software partner ADA Company recommended the software that has been essential for reliable performance across a wide range of its simulation processes. “The flexibility and robustness of Femap with NX Nastran assured support for safe, optimized models within the shortest design cycle, consistent and easily accessible results to all users across our enterprise,” says Alina Florea, managing director at Icepronav Engineering.

At Icepronav Engineering, Femap with NX Nastran is used across a wide array of industrial projects and is especially advantageous in helping handle regulatory com-
Solutions/Services

Femap
www.siemens.com/plm/femap

NX Nastran
www.siemens.com/plm/nxnastran

Customer’s primary business

Icepronav Engineering provides a full range of high-quality, cost-effective engineering and design services. Its clients include leading oil and gas industry contractors, major shipbuilders and large defense contractors as well as family-owned ship owners.

www.icedesign.info

Customer location

Galati
Romania

Partner

ADA Company

"Our engineers’ needs to be creative, develop the most innovative solutions and, at the same time, meet strict industry standards are well supported by using Femap with NX Nastran."

Alina Florea
Managing Director
Icepronav Engineering

Increased design speed, reduced operations costs

ICE management notes that the use of Femap with NX Nastran has significantly accelerated the iterative process of design, resulting in greater product innovation and reduced operations costs, while adhering to the strictest of industry standards. Florea explains, "Our engineers’ needs to be creative, develop the most innovative solutions and, at the same time, meet strict industry standards are well supported by using Femap with NX Nastran."

Using Femap with NX Nastran, Icepronav Engineering is delivering high value in helping clients with the most demanding requirements to advance structural integrity.

Use of Femap with NX Nastran has significantly accelerated the iterative process of design...

Siemens Industry Software

Americas +1 314 264 8499
Europe +44 (0) 1276 413200
Asia-Pacific +852 2230 3308

www.siemens.com/plm

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