

**KNUD E. HANSEN**

— Design & Consultancy —



## Excellence

Award winning ship design recognised by leading industry bodies.



## Experience

Over 750 vessels built and more than 350 conversions successfully completed.



## Technology

Developing and using best-of-breed technology to design better ships.



## Solutions

Comprehensive experience covering design, contracting, construction, delivery and through-life services.



## Guidance

Independent advice covering contract negotiations, planning, cost-evaluation and review of drawings and specifications.



## Dedication

Our consultancy services ensure support throughout the entire lifetime of a vessel.

*"We began to work with KNUD E. HANSEN, when we needed an HVAC specialist for the Queen Elizabeth Class. They performed very well for us and we've gone on to work with them on other projects as a result. In particular, KNUD E. HANSEN showed themselves to be incredibly flexible, willing to mobilise as many people as we needed, wherever we needed them to be. I attribute this adaptability to the close-knit, trusting relationships between personnel. The culture at KNUD E. HANSEN ensures total efficiency."*

SHANKAR RASHIA, AERIUS

*"KNUD E. HANSEN showed themselves to be very professional and totally dedicated to our project. Our cooperation could not have been better. We started out with one A4 page of specifications and, from this, KNUD E. HANSEN quickly developed the entire yacht."*

PER BLINKENBERG-THRANE, 24 M EXPLORER TYPE MOTOR YACHTS

*"KNUD E. HANSEN designed a total of 18 ships for my family's company. We spent countless days discussing our dreams, aspirations and passions. The relationships we developed became so personal that design decisions became automatic. The creativity and talent in KNUD E. HANSEN is boundless. KNUD E. HANSEN provided us with precision, accuracy and consistent quality. We knew we had a reliable design to work on. And, of course, the personal attention was outstanding – we felt we were one big family."*

ALEX PANAGOPOLOUS

## WE DESIGN SHIPS, SINCE 1937

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Our innovative, customized solutions cover areas ranging from concept, tender/contract & basic design, to supporting the building and conversion process of all types of maritime vessels and offshore structures, to energy optimization and services for the offshore wind industry.

Since 1937, more than 750 vessels have been built and over 350 conversions carried out to our designs. Additionally, we have developed more than 450 hull lines, and performed thousands of surveys, feasibility studies and design projects.

Our approach is based on a combination of continuous innovation, the free exchange of ideas with our clients, and experience derived from many years spent working with all types of vessels and maritime operators worldwide.

Our clients challenge us to constantly reinvent our ideas and prove that our knowledge and expertise allow us to remain at the top of the industry by using state-of-the-art methods and solutions specifically tailored to meet the needs of each project.

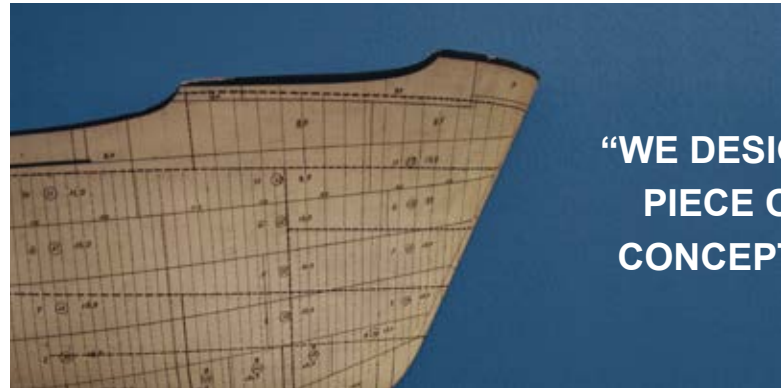
### DESIGN & CONSULTANCY

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Our proficiency in the design arena spans creative and innovative concept design, tender/contract design and optimized basic design based on regulatory and client requirements, as well as integration and coordination of detailed design.

Taking a hands-on approach prior to signing a contract for vessel construction or refit allows our clients insight into contract negotiations, specification reviews, design, planning, and cost evaluation.

Dedication to the projects we take on includes supervising them in their entirety and working with shipyards and owners alike. We oversee newbuilds and deliveries, review technical, operational and commercial performance, and provide modification and upgrade solutions in line with both client requirements and newly implemented regulations.



“WE DESIGN SHIPS SINCE 1937”  
PIECE OF  
CONCEPT

### TALENTED INDIVIDUALS FROM AROUND THE WORLD

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At KNUD E. HANSEN we have sought out the most experienced and qualified maritime designers and engineers from around the globe. The result is an international team accustomed to navigating cultural and linguistic divides as well as bridging the diverse sectors found within the maritime world.

We employ staff across a wide range of roles including, naval architects, marine engineers, mechanical engineers, industrial designers, technical assistants, electrical and automation engineers. Within our team we have both those with extensive experience and those freshly qualified, keen to push innovative ideas and technologies.

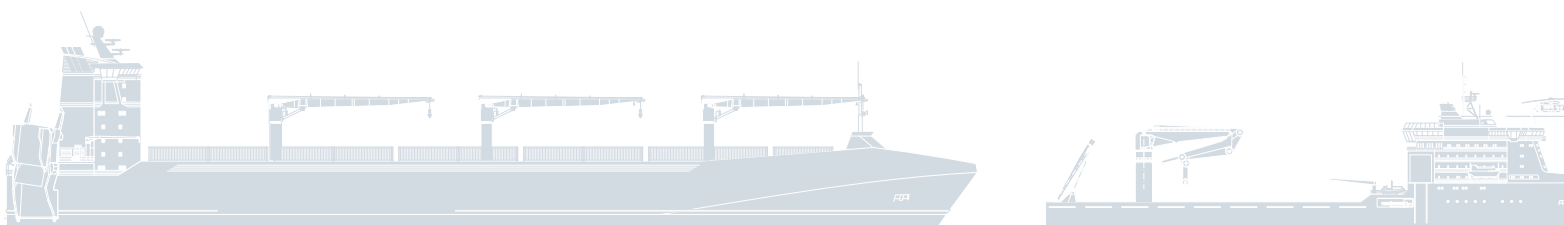
The majority of our team members are cross-disciplinary; either holding qualifications or having experience in more than one specialized area.

### RESEARCH AND DEVELOPMENT

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Our research activities are conducted on behalf of a diverse client range across both private and public sectors.

The fact that KNUD E. HANSEN has carried out projects in so many segments of the maritime sector, all over the world, gives our research scope the broadest possible reach.



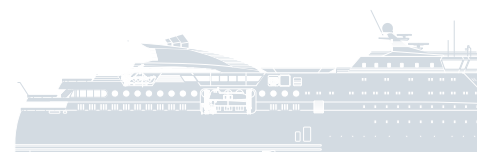
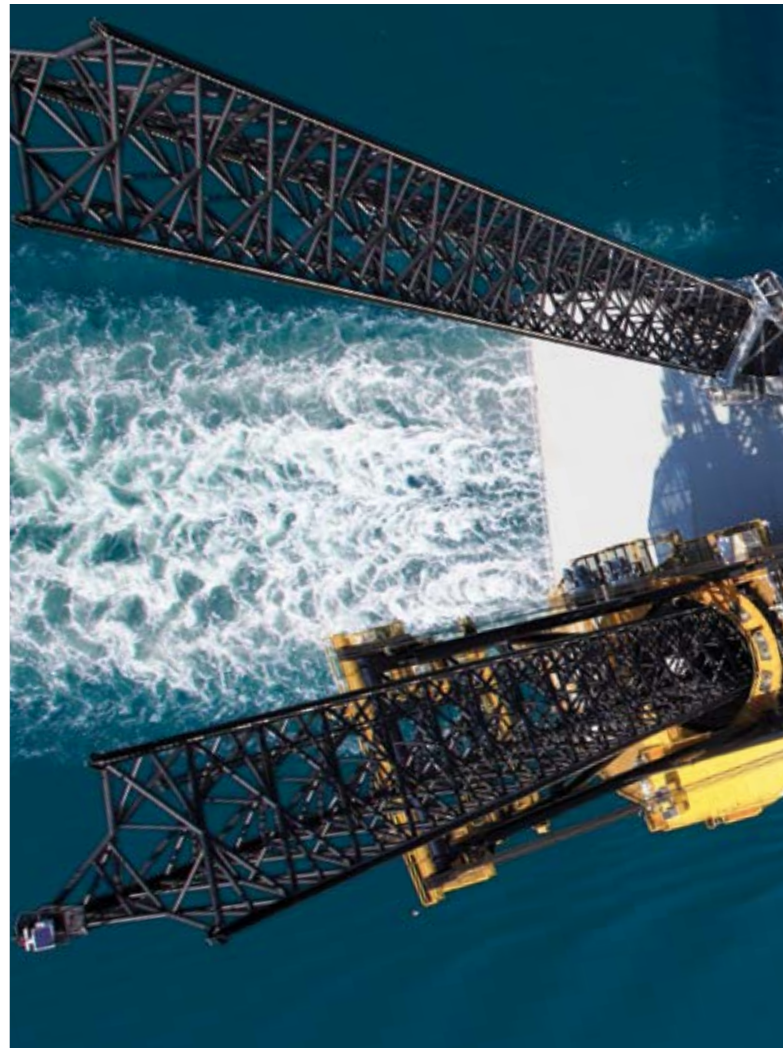
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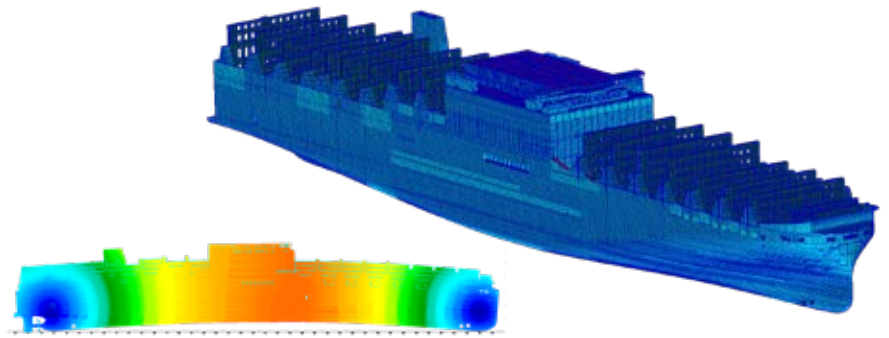
## OUR DESIGN TOOLS

We utilize the most current software and techniques for the development of 2D and 3D designs, FEM and CFD models, advanced structural design and intact and damage stability calculations.

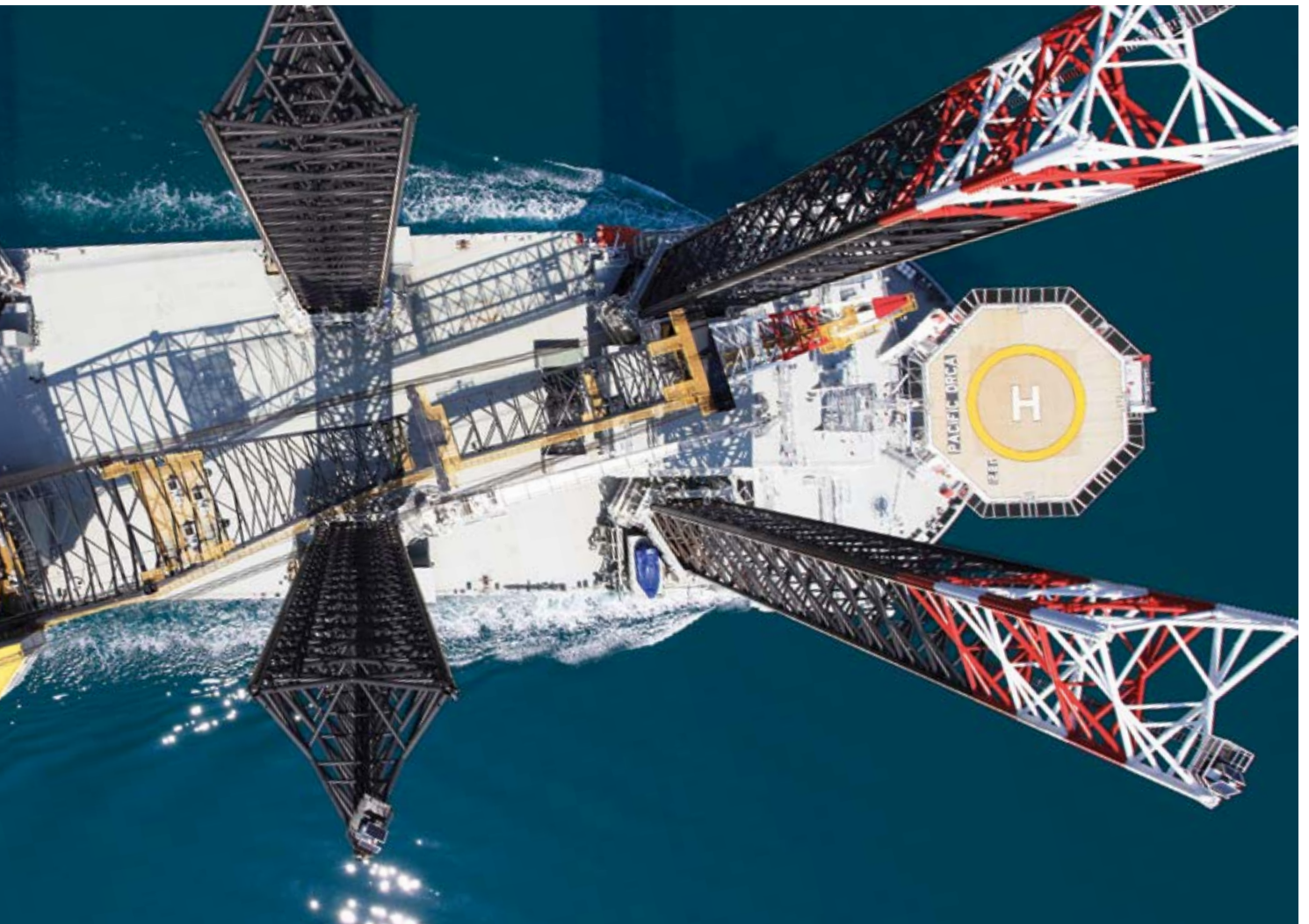
We maintain relationships with the world's leading research institutions in order to facilitate in-depth research and model testing.







*Finite Element Analysis (FEA), Computational Fluid Dynamics (CFD) and model testing ▲*





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