



PASSENGER SHIPS AND FERRIES

— 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

PASSENGER SHIPS AND FERRIES, DESIGN & CONSULTANCY

Passenger ships and ferries are amongst the most complex types of vessels built. The commercial and technical requirements are very diverse and dependent on a number of factors, including physical constraints, geographical profile of the area of operation and the operating profile of the vessel generally.

At KNUD E. HANSEN we have a profound understanding of these important parameters, of the interaction between them and how to make the best of these factors in order to deliver the best possible results to our clients.

KNUD E. HANSEN has a dedicated team of senior design engineers, specialising in the development of passenger ships and ferries. These engineers are supported in turn by lead engineers from all relevant technical disciplines. As well as applying the traditional disciplines within naval architecture and marine engineering, when it comes to passenger vessels we focus on a number of specific elements. Included in this is public space management, with close consideration paid to passenger experience and intuitive layout.

Payload optimisation is also a central theme, for example, efficiency of cargo flow and loading/unloading of cargo, passengers and luggage.

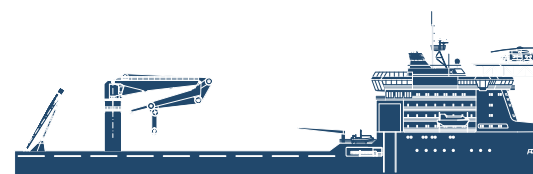
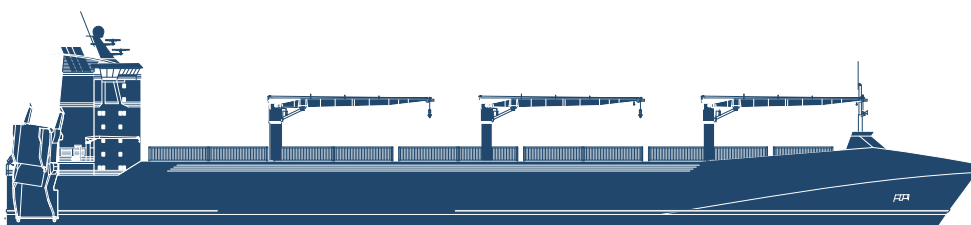


Equal importance is given to the vessels' efficiency, covering both the development of the hull form and energy usage, especially considering the increased demand associated with the number of persons onboard.

The multi-disciplinary capability in KNUD E. HANSEN encompasses not only arrangement design, hydrodynamics, ship theory, structure and machinery systems, but also includes a specialist HVAC unit, and when merged together this secures an optimised design with a sharp environmental and efficiency focus. Our extensive experience and the use of state-of-the-art computer based tools enable us to offer in-depth analysis to identify energy savings across all vessel aspects.

Throughout the entire process we work in close cooperation with interior designers, noise and vibration specialists, model test facilities and equipment suppliers in order to exceed our clients' expectations.

KNUD E. HANSEN undertakes passenger ship and ferry projects covering all sizes and types of vessels, all over the world.



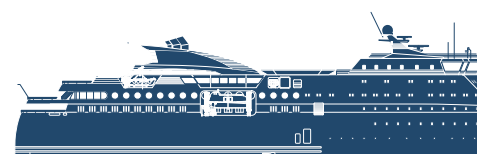


We provide support at every stage of the process, from concept, tender/contract and basic design through to conversion, lengthening and lifetime extension.

Our design and engineering work covers the entire scope of relevant works, including general arrangement, weight calculations, hull form development, stability analysis, safety plans, HVAC, engine room layout and systems diagrams.

In all facets of our work we maintain a strong focus on design optimisation for efficiency and minimisation of environmental impact.

As consultants we are able to analyse and review designs and conduct feasibility, conversion, research and development studies. We appreciate the importance of staying up to date with all the latest maritime regulations and are able to provide advice on all recent and forthcoming changes.





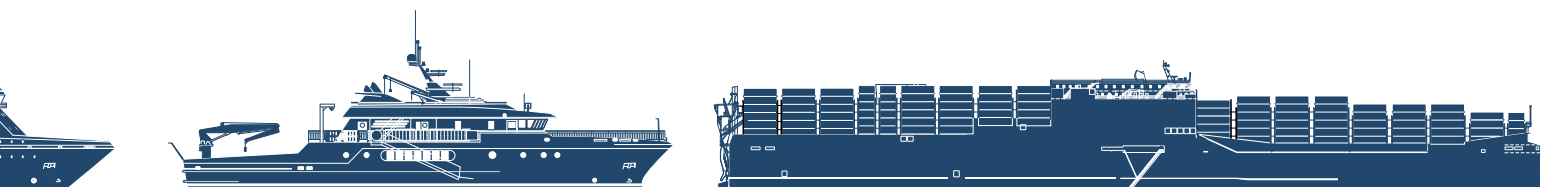
ABOUT KNUD E. HANSEN

Is a leading independent consultancy providing a comprehensive range of design, engineering and project management services to shipyards and ship owners around the world.

Our innovative, customised 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 optimisation and services for the offshore wind industry.

Since 1937, over 750 vessels have been built and over 350 conversions carried out to our designs. In addition, more than 450 hull lines have been developed and thousands of surveys, feasibility studies and other projects undertaken.





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