

DEK

MARITIME



DESIGN ENGINEERING KNOWLEDGE CENTER
**INDEPENDENT MARITIME
DESIGN & ENGINEERING
FOR COMPLEX CHALLENGES**

A practical maritime knowledge center

DEKC Maritime is an independent Dutch design and engineering company with more than 50 years of experience in the maritime industry. We work on ships, offshore projects, maritime structures and complex operations for clients worldwide.

We bring together naval architecture, structural, mechanical and systems engineering with project management in multidisciplinary teams. This broad expertise allows us to look at a challenge as a whole, connect the different disciplines and turn complex questions into practical solutions.

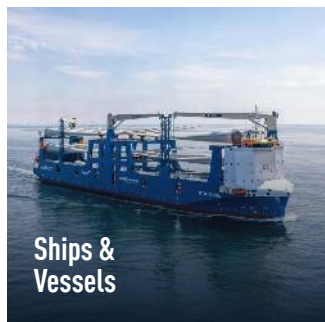
Our work ranges from concept and basic design to specialist analyses, detail and production engineering, conversions and operational support. We understand not only how to design and calculate, but also how engineering has to be built, installed and used in practice.

Whether we take responsibility for a complete engineering scope or contribute specialist expertise within a larger project team, our approach remains the same: sound engineering, short communication lines and practical solutions that work under real conditions.



WHERE WE WORK

Design and Engineering across our areas of expertise



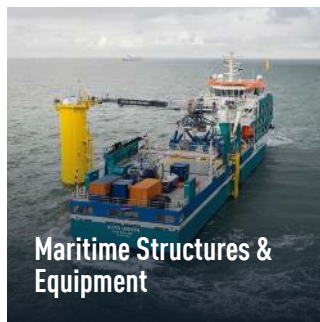
Ships & Vessels

From concept design to operational support: naval architecture and engineering for commercial, offshore and specialist vessels.



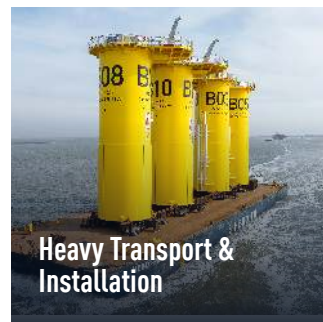
Offshore & Energy

Engineering for offshore wind, oil & gas and renewables: from foundations to installation methodology



Maritime Structures & Equipment

Structural and mechanical engineering for specialist maritime products, moving systems and complex steel structures.



Heavy Transport & Installation

Engineering for transport, lifting and offshore installation of heavy structures under real operating conditions.

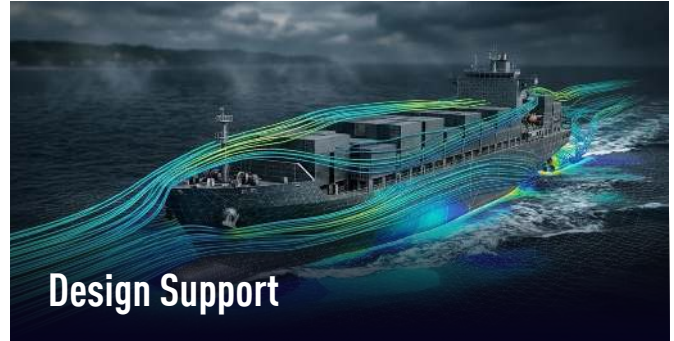
From initial concepts to ships and solutions that perform under real conditions



Turning ideas and requirements into well-founded maritime designs.

From first concepts to class-ready basic design, we combine functionality, performance, safety and buildability in an integrated design process.

- < Naval architecture
- < Basic design
- < Structural design
- < Systems design



Specialist knowledge for complex design and engineering questions.

Our specialists use advanced analysis and simulation to understand performance, verify designs and provide a sound basis for engineering decisions.

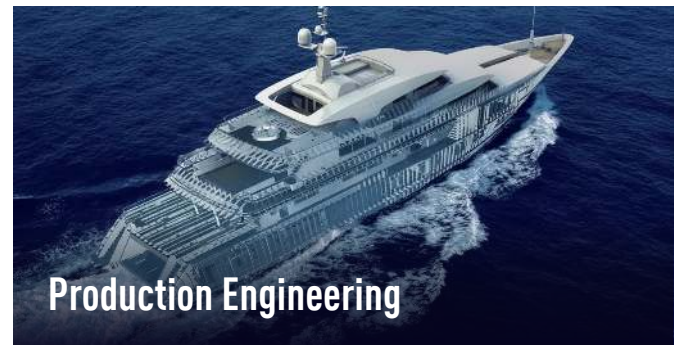
- < CFD analysis
- < FEM analysis
- < Design optimisation
- < Stability & motion analyses



Practical engineering for vessels, projects and complex maritime operations.

We support mobilisations, transport and installation projects, modifications and operational challenges with the analyses, engineering and documentation needed to move forward.

- < Transport & installation engineering
- < Troubleshooting & expert support
- < Seafastening & grillage
- < Seakeeping & workability



Turning designs into accurate, practical information for production.

We develop the detailed engineering and production information shipyards need to fabricate and assemble efficiently, with buildability considered throughout.

- < Workshop drawings & production information
- < Fairing & shell plate development
- < Outfitting
- < Production-ready 3D modelling



Engineering existing vessels for new roles, equipment and requirements.

From feasibility and surveys to complete conversion engineering, we assess the impact on the vessel and develop practical solutions through to production information.

- < Conversion feasibility
- < Lengthenings & rebuilds
- < Check-ups & condition surveys
- < Class & flag support

ONE MINDSET

From a focused specialist study to a complete engineering package, we bring the same practical mindset, high engineering standards and attention to detail.

PRACTICAL ENGINEERING BUILT ON EXPERTISE

OUR DNA

With commitment and guts

We care about our clients' ambitions as much as the design & engineering work itself. We take responsibility, think beyond the obvious and focus on solutions that are practical, reliable and valuable. We go the extra mile making sure clients enjoy working with us.

All in, every challenge

We enjoy complex maritime challenges and approach those with an integrated, flexible and solution-driven mindset. By connecting disciplines, specialist knowledge and practical experience, we turn complex questions into clear and workable solutions. We say yes when we can add value, and are equally clear when we cannot.

Built on expertise

DEKC stands for Design Engineering Knowledge Center. Maritime knowledge and technical expertise form the foundation of everything we do. We are keen on continuously developing our knowledge and skills to make sure we deliver the promise in our company name.

OUR TEAM (45)

11 icons	STRUCTURAL DESIGNERS
10 icons	MECHANICAL ENGINEERS
8 icons	NAVAL ARCHITECTS
7 icons	STABILITY EXPERTS
5 icons	FEM EXPERTS
4 icons	CFD EXPERTS
4 icons	PROJECT MANAGERS
4 icons	PRODUCTION ENGINEERS
4 icons	OUTFITTING ENGINEERS

SOFTWARE

< NAPA	< FINE™/Marine
< Cadmatic	< ANSYS
< Rhino	< AutoCAD
< SolidWorks	< CAESSES