

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.

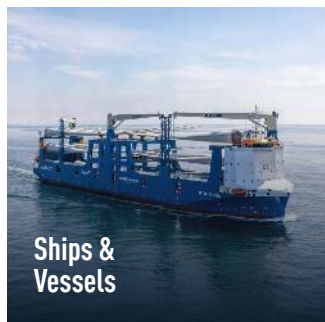
Our work ranges from concept and basic design to specialist analyses, detail and production engineering, conversions and operational support. We understand not only how to design and calculate, but also how engineering has to be built, installed and used in practice.

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



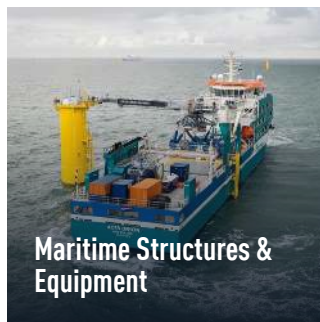
Ships & Vessels

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



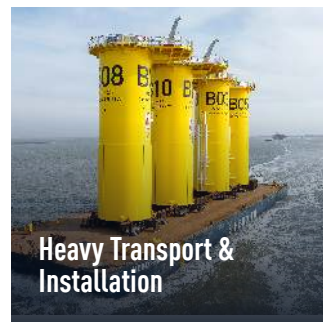
Offshore & Energy

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: Solutions that perform under real conditions

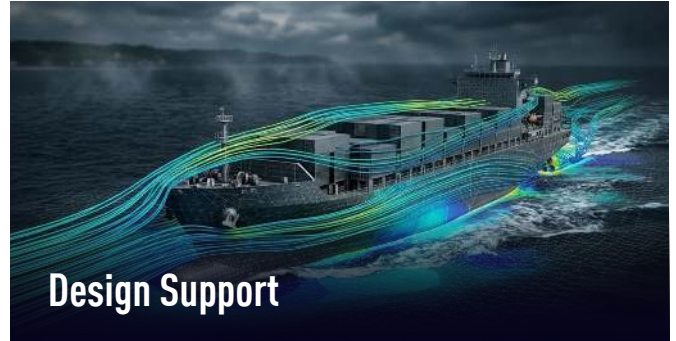


Design

Turning ideas and requirements into well-founded maritime designs

We turn ideas, requirements and constraints into practical maritime designs that combine functionality, performance, safety and buildability.

- < Naval architecture
- < System design
- < Structural design



Design Support

Specialist knowledge for complex design and engineering questions

With our team, tools and experience we support any maritime project: CFD, FEM, hull optimisation, 3D visualisation and stability, applied where they add the most.

- < CFD analysis
- < Design optimisation
- < Stability analyses
- < FEM analysis
- < 3D visualisation



Operational Support

Practical engineering for ships, projects and complex maritime operations

Practical engineering for mobilisations, transport operations, modifications and stability questions, with quick decisions backed by sound engineering.

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



Production Engineering

Turning designs into accurate, practical information for production

We translate vessel designs into accurate, practical production information that shipyards can work with, covering the complete steel structure and outfitting.

- < Workshop drawings & production information
- < Fairing & plate development
- < Outfitting



Conversion Support

Turning designs into accurate, practical information for production

When an existing vessel needs a new role, new equipment or must meet changing requirements, we provide the design and engineering needed to make it work.

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

ONE MINDSET

From a single engineering study to complete project delivery, we apply the same practical mindset, engineering quality and attention to detail.

PRACTICAL ENGINEERING BUILD 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
11 icons	MECHANICAL ENGINEERS
11 icons	NAVAL ARCHITECTS
11 icons	STABILITY EXPERTS
11 icons	FEM EXPERTS
11 icons	CFD EXPERTS
11 icons	PROJECT MANAGERS
11 icons	DETAIL ENGINEERS
11 icons	OUTFITTING ENGINEERS

SOFTWARE

✓ NAPA	✓ ANSYS
✓ Cadmatic	✓ AutoCAD
✓ Rhino	✓ Octopus
✓ SolidWorks	
✓ Multiframe	