

DRIVING ENERGY SOLUTIONS FORWARD



Company profile

Founded	1984
Main office	Rotterdam, The Netherlands
Markets	Renewable energy Oil & gas
Certified	ISO 9001
Parent company	Sif Group



KCI Offshore Engineering has been providing design, engineering, and consultancy services to the offshore industry for over 40 years.

By delivering end-to-end support throughout the entire project life cycle, we continuously build and refine our product knowledge allowing us to offer the most suitable solutions at every stage of a project.

We distinguish ourselves through our track record in fixed-bottom offshore assets and our in-depth expertise in offshore foundations and decommissioning.

Backed by a project execution-driven structure and a team of loyal, committed experts, we are known for being flexible, pragmatic and solution oriented.

About KCI

Engineering the future of offshore foundations

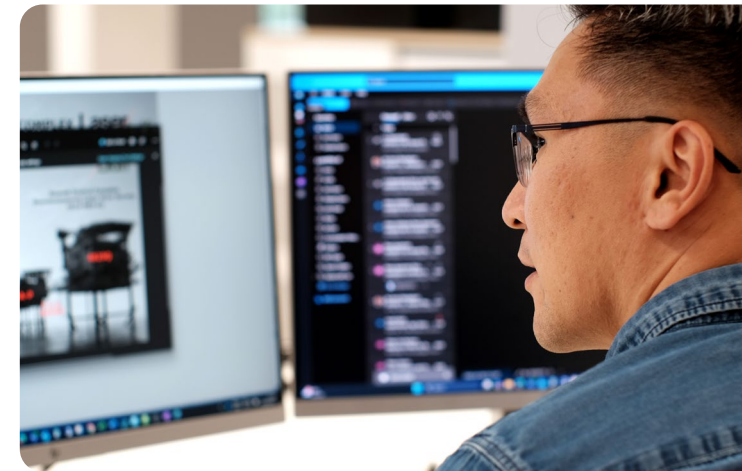
With over 40 years of offshore experience, KCI has evolved from oil & gas platform design to supporting today's offshore wind and energy transition projects. Our legacy enables us to confidently help shape the future of offshore infrastructure.

As a structural specialist, we deliver reliable foundation solutions while working with trusted partners to offer multidisciplinary support for offshore substations, hydrogen, carbon capture & storage, and platforms modifications.

What sets KCI apart is our ability to combine specialist focus with a collaborative mindset, offering clients not only quality engineering, but a long-term partner they can rely on.



Our vision & mission



Vision

The go-to engineering specialist for offshore foundations



Mission

Together we build the foundation of future offshore energy

Our core values



Knowledge

We deliver high-quality engineering solutions that exceed client expectations.



Team work

We foster collaboration internally and externally to drive efficiency.



Responsibility

We take responsibility for the quality we provide and thus for a better world.

History

1984

KCI founded



1987

First project in the oil & gas industry



1997

First MPP designed & built



2005

First project in oil & gas equipment



2008

First project in the offshore wind industry



2021

Part of Sif Group



2022

First WTG foundation design & Offshore H2 project



2023

First project in offshore CO2 storage



2024

First HVDC foundation design



KCI Offshore Engineering has had a key role in shaping the offshore industry since 1984. Founded in the Netherlands, we have built our reputation in the oil & gas industry by delivering innovative engineering solutions for platforms, modules, and complex steel structures.

With the global acceleration towards sustainable energy, our expertise naturally expanded into the offshore renewables sector. KCI therefore made a deliberate and strategic shift to include focus on offshore renewable energy in addition to offshore oil & gas projects. Today, we stand as a trusted specialist in offshore foundations, combining decades of experience with future-focused engineering

In 2021, KCI became part of the Sif Group, one of Europe's leading manufacturers of offshore foundations. This integration has strengthened our ability to offer design-to-fabrication alignment and has deepened our industry insight and practical execution knowledge.

Throughout our history, KCI has maintained a project execution-oriented organisation, ensuring quality through efficient project delivery. Through early involvement of our consultants and in an industry which is constantly changing, we can recognise the need to adapt and prepare for emerging opportunities and changing conditions.

KCI's enablers

End-to-end engineering for fixed offshore structures

We offer full life cycle engineering services, from early-phase consultancy and concept development to detailed design, execution support, and decommissioning. Our integrated approach ensures technical consistency, optimised interfaces, and smooth delivery.

Agile, scalable, and committed

Our team structure allows us to respond quickly to client needs while maintaining the capacity and expertise to execute large, complex offshore projects. We combine flexibility with accountability to deliver reliable results on time and within scope.

Experts in offshore foundations

With over 40 years of experience in offshore fixed structures, we have built deep domain knowledge in monopile foundations, topside jackets, and platform substructures. Our engineering is grounded in real-world experience and tailored to project-specific needs.

Fabrication knowledge

Together with our parent company Sif, we can manage the design and manufacturing process for WTG foundations as a total solutions provider.



Focus areas



At KCI Offshore Engineering, we focus on engineering excellence in three key offshore areas where our expertise has the greatest impact:

- **Offshore WTG foundations**

Structural design for offshore wind monopile foundations.

- **Offshore topside foundations**

Robust substructure engineering for offshore platforms and substations.

- **Offshore decommissioning**

Engineering safe, efficient, and sustainable removal of offshore assets.

- **Other areas**

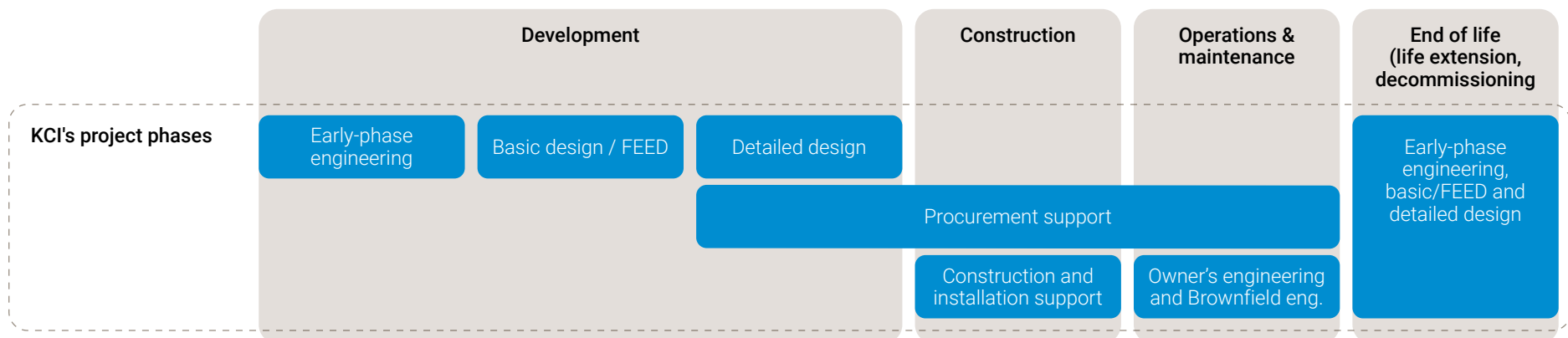
In addition to these strategic focus areas, we continue to apply our offshore engineering capabilities to a variety of other areas. These include offshore topsides (offshore green hydrogen, offshore substation topsides & carbon capture), offshore equipment and observation wheels.



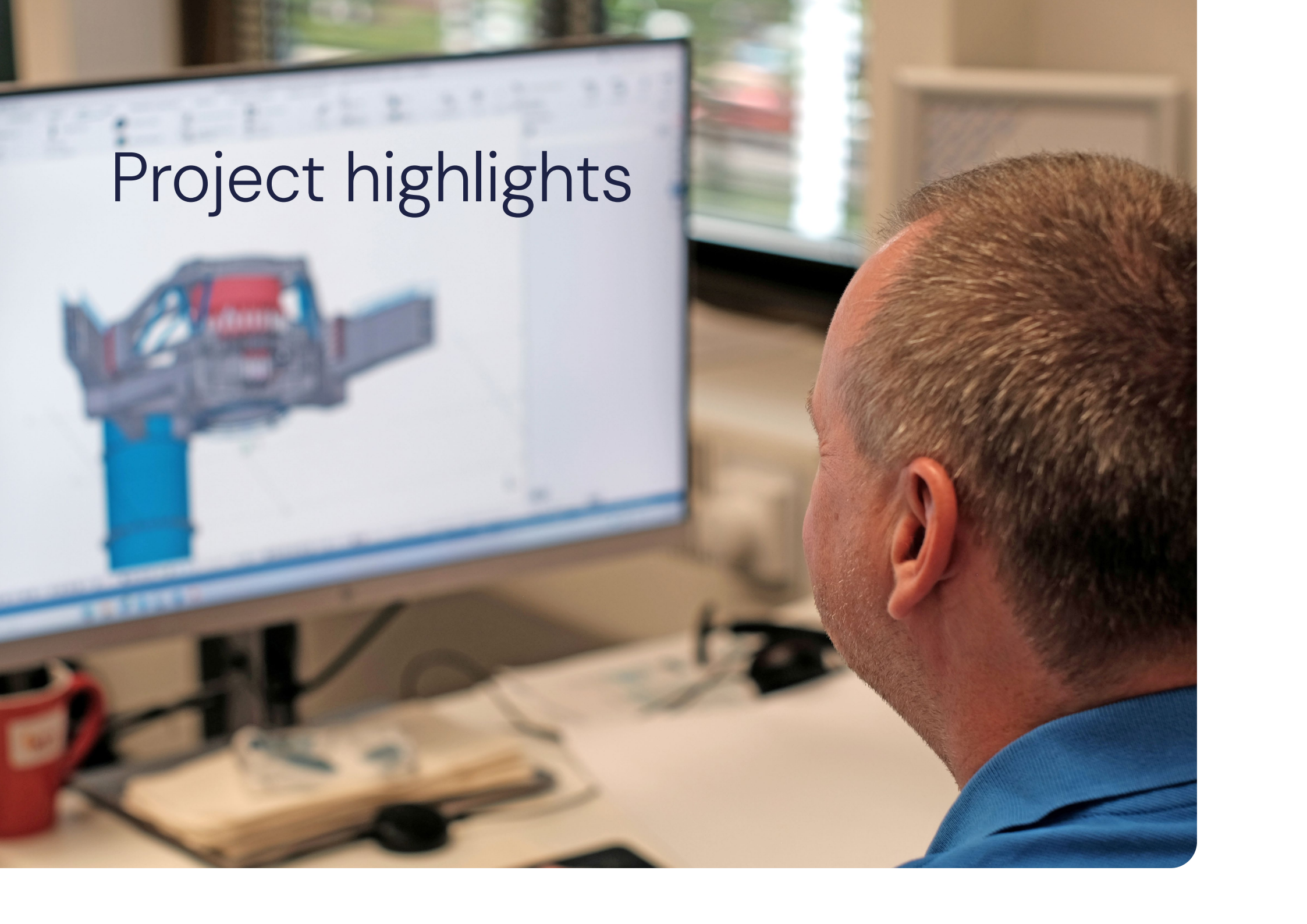
Our capabilities

- Proven track record in design of oil & gas platforms and offshore substations
- Structural engineering expertise covering primary, secondary, tertiary, and T&I design
- Consultancy and project management capabilities
- Collaboration with trusted partners for:
 - Electrical systems
 - Instrumentation & control
 - Utility systems (process, piping & mechanical)
 - Materials & corrosion
- In-depth knowledge of codes and standards to support efficient certification
- Established network of specialist engineering partners and key suppliers

KCI provides engineering solutions for every phase of the project



Project highlights



Offshore WTG foundations

Skybox

Concept, basic & detailed design



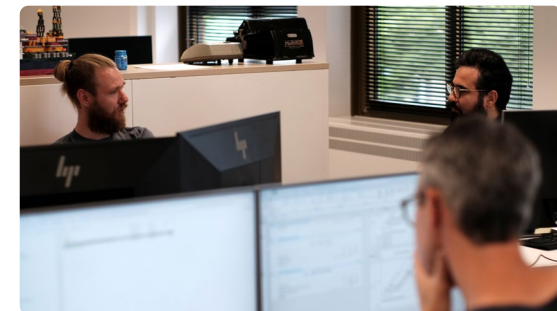
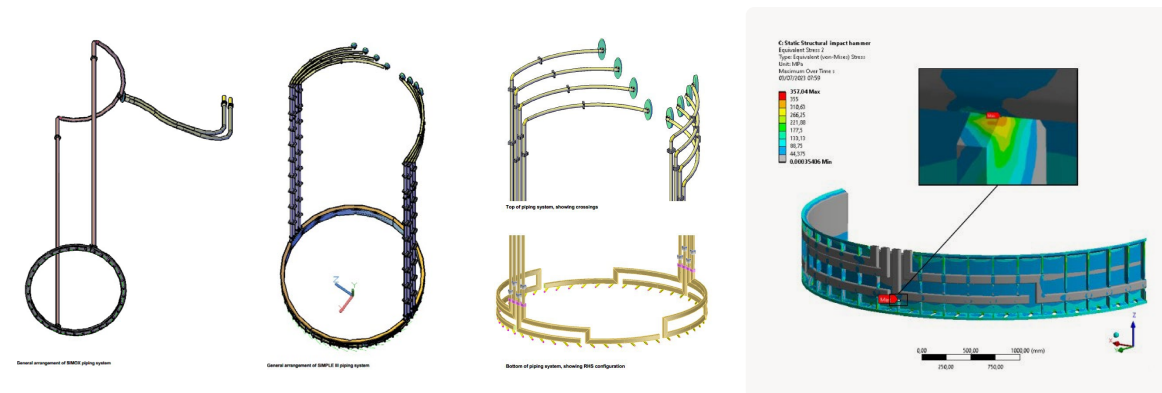
Monopile value engineering

Optimisation study

Six monopiles have been considered in KCI's optimisation study, a monopile pre-feed design in order to minimise the fabrication costs at Sif Group for 'IJmuiden Ver' wind farm. This study has concluded that by taking Sif's fabrication processes, it is possible to reduce the weight of monopile by at least 5%, hence reducing the fabrication costs of a monopile.

Monopile jetting system

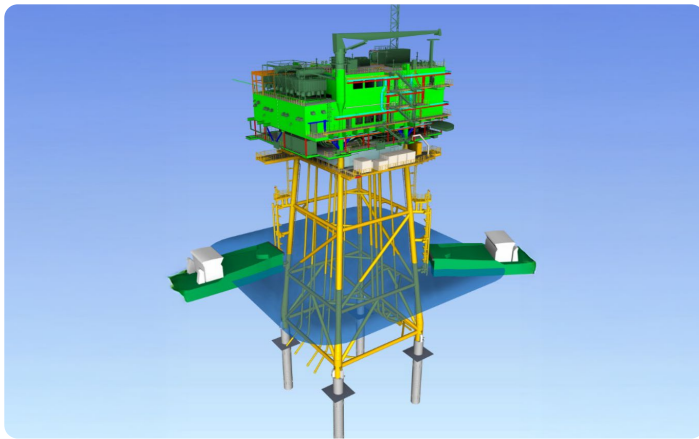
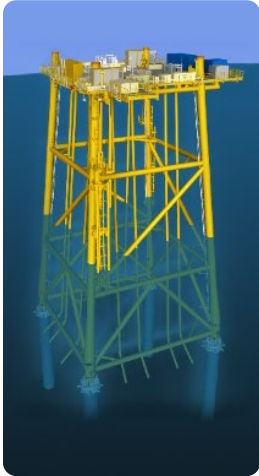
Detailed design



Offshore topside foundations

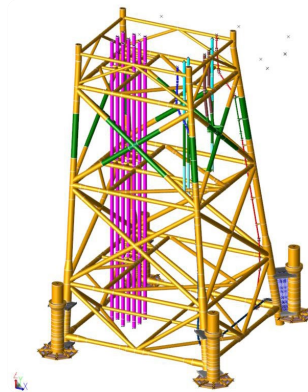
Noirmoutier & Le treport HVAC jacket

Concept, basic & detailed design



F6-A jacket

FEED design



LanWin2 & Balwin 3 HVDC jacket

Concept, basic & detailed design



Offshore decommissioning

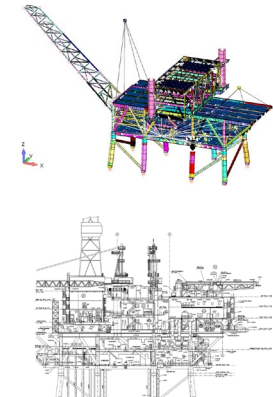
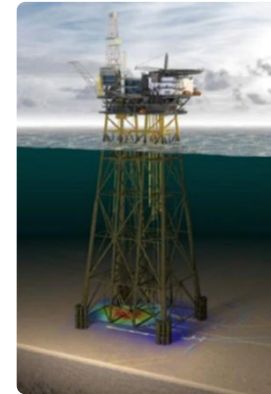
L8-P removal

Concept & detailed design



Eider and Heather Alpha

Structural integrity verification



52/5A removal

Concept & detailed design



P/6A removal

Concept & detailed design



Other areas

Offshore H2: AmPhyrite

Concept design



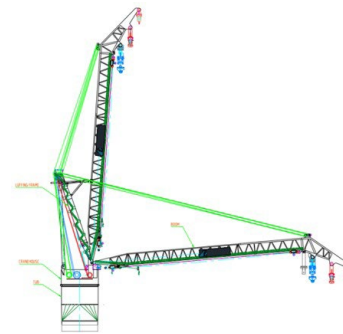
Offshore CCS: Porthos

Detailed design



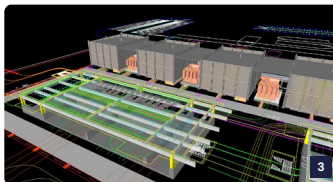
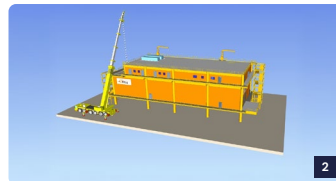
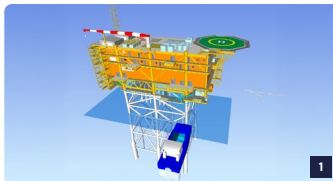
Equipment design Tub Mounted Crane

Detailed design



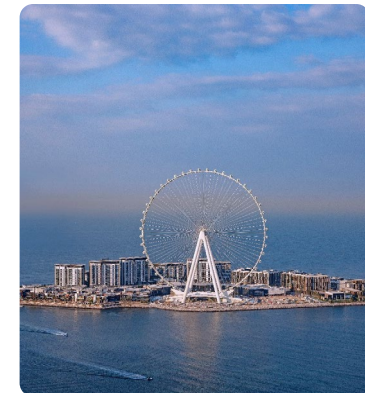
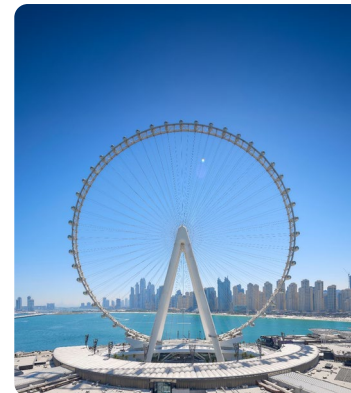
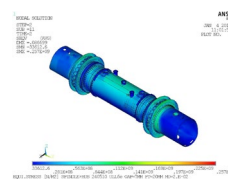
Offshore substation – MOG2

Concept design



Observation wheel – Ain Dubai

Concept, basic & detailed design





We support and guide
our customers
throughout the entire
project life cycle

The go-to engineering specialist
for offshore foundations



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