



Synergy Engineering B.V.
&
Synergy Engineering Poland Sp. z o.o.





Let's create **Synergy** in engineering

At Synergy Engineering, we take pride in offering a comprehensive range of engineering services to cater to your needs. With our expertise and dedication to excellence, we are confident that we can meet and exceed your expectations.

Krzysztof Jedruszek
managing director

About Company

Synergy Engineering is an engineering firm focused on delivering technical solutions for the energy sector, particularly in the development of offshore wind farms. We offer comprehensive project services for transport and installation of offshore structures:

- grillage & seafastening design,
- rigging systems design,
- lifting appliance design,
- structural analyses of lifted and transported structures,
- load-out and mooring analyses,
- vessel strength checks,
- technical management,
- client representation & offshore support.

01 Synergy Engineering B.V.
Established in 2019,
The Hague, The Netherlands

02 Synergy Engineering Sp z o.o.
Established in 2022
Gryfice (Zachodniopomorskie), Poland





Synergy Engineering B.V.

Synergy Engineering B.V., in collaboration with Synergy Engineering Poland Sp. z o.o., offers specialized services to offshore contractors in The Netherlands, drawing on extensive global project experience with industry leaders like Boskalis, Heerema Marine Contractors, and Jumbo Offshore. Our expertise spans structural and marine engineering, project engineering, technical management, and providing comprehensive support both offshore and at the yard.



Synergy Engineering Poland Sp. z o.o.

The Polish division of Synergy Engineering B.V. was established to deliver engineering and drafting services to clients in both The Netherlands and Poland, aiming to leverage over a decade of experience with leading Dutch contractors. As the offshore wind sector expands in Poland, our objective is to contribute to local projects in the Baltic, offering extensive expertise and promoting local content development.

Services

We bring offshore engineering projects to life with precision and clarity.



Structural Engineering

Comprehensive structural engineering for offshore energy, handling everything from deck item security to complex structural designs for transport and installation.



2D/3D Drafting and Modelling

We specialize in transforming your offshore engineering visions into precise, tangible models.



Technical Management

Our skills in managing technical projects come from years of working on different types of projects (fixed and floating), giving us deep knowledge of what's needed in engineering.



Offshore Support and Client Rep.

Our experience with Heavy Lift Vessels (HLVs) and offshore contractors, combined with Dutch language skills, proves valuable in Client Representative roles.

Services

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Grillage & SF

Designs of grillage and seafastening systems for both large and small offshore structures. Our expertise ensures safe, efficient, and compliant transport solutions for a range of offshore components.



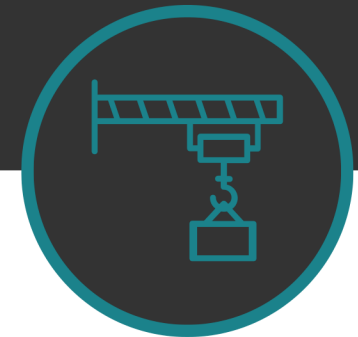
Quayside Mooring

Quayside mooring designs, providing safe and efficient solutions for port operations, ensuring compliance with the latest industry standards



Rigging and Lift Points

Advanced rigging system designs, ensuring top safety and stability standards for lifting solutions, including lift point checks or design.



Lifting Appliances

Tailored solutions for lifting appliances, ensuring safety, reliability, and efficiency in your operations, adhering to the highest standards set by DNV-ST-N001 and DNV-ST-0378.



Engineering Precision

Specializing in detailed, accurate calculations for structurally sound and innovative solutions.

Efficient Designs

Streamlining engineering processes to deliver cost-effective and high-performance solutions for every project.



Effective Communication

Prioritizing clear, client-focused interactions to align with project goals and requirements.

Global Offshore Experience

Hands-on expertise in offshore projects worldwide, delivering practical, safe, and robust engineering solutions.

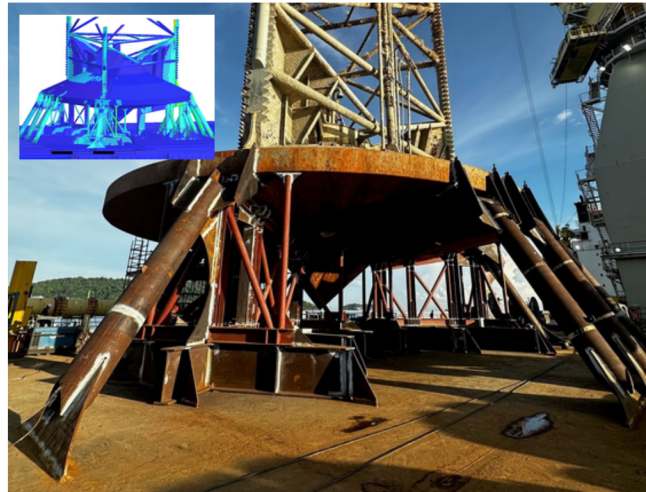
Recent Projects

Explore projects with our involvement

In the offshore engineering sector, our company's global project portfolio, spanning four continents, substantiates our technical proficiency and the confidence our clients place in us.

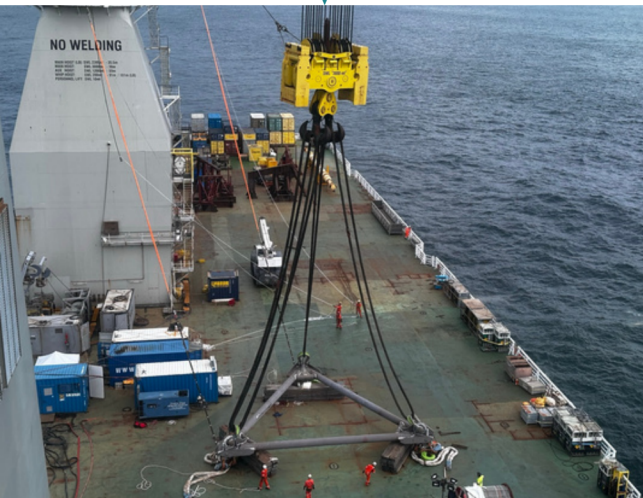
1500t Triangular Lift Frame

We were commissioned by Boskalis/Smit Salvage to design a 1500-ton triangular lift frame for salvage operations offshore Trinidad. Our engineering approach adhered to DNV guidelines, ensuring a simple yet sturdy design capable of meeting the challenging requirements of offshore salvage operations.



Jacket Foundations G&SF

In collaboration with XPRTHUB, Synergy was tasked by Heerema Marine Contractors to design grillage and seafastening (G&SF) systems for the transportation of Greater Changua Jacket Foundations for wind turbine generators. The operation involved transports between South Korea and Taiwan.



Jackup Leg G&SF

We were engaged by Boskalis/Smit Salvage to design grillage and seafastening (G&SF) systems for the transport of a jackup leg from Trinidad to Rotterdam. This project required innovative solutions for unique challenges and a rapid turnaround. Our team also provided welding supervision and offshore support on board of HLV Bokalift 1.



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Shell Vito FPS Installation

Our team supported Jumbo Offshore with project engineering and drafting for the Shell Vito installation, handling all technical aspects of mooring hook-up, liaising with the client and subcontractors, and developing installation procedures. This collaboration highlighted our capabilities in offshore engineering projects.



Revolution Wind and Sunrise Wind

In our collaboration with Boskalis, we oversee all discipline engineering, ensuring timely submission and approval of deliverables by the client (Orsted) and certifying bodies. Our expertise spans structural, marine, drafting, geotechnical, and survey disciplines, guaranteeing oversight and project compliance.



South Fork Wind

Our involvement in preparing HLV Bokalift 2 for XXL monopile installation at the South Fork field, US East Coast, focused on ensuring that the vessel was equipped with relevant tools, including 3500t spreader bar of our design. This spreader bar was instrumental in lifting monopiles with a diameter of 10m, showcasing our commitment to project success.



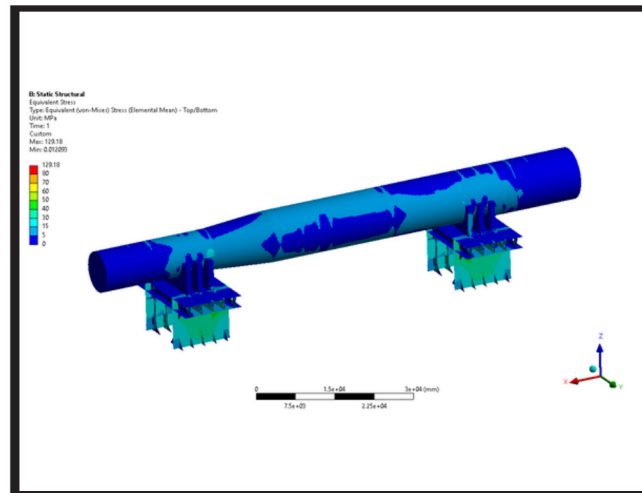
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2150t Lifiable Basket Design

Our expertise in Finite Element Analysis (FEA) was instrumental in the intricate design of cable equipment, specifically a liftable basket capable of handling 2150 tons. This basket has been serving our client, Passer Lars, exceptionally well, a success frequently celebrated in their LinkedIn updates.



9000t Offshore Cable Carousel Design

Our proficiency in cable equipment design was showcased through the development of a seagoing carousel with a 9000-ton capacity. This project, undertaken in collaboration with a concept designer, underscored the significance of strong relationships and trust in achieving project success.



Monopile Grillages

Considering the Polish Supply Chain, we developed monopile grillage concepts suitable for production in Polish shipyards, demonstrating our commitment to leveraging local expertise. Our goal is to apply our international experience domestically, eagerly collaborating with partners who share our vision for Poland's market development.



Our Clients

We worked on projects executed by:



Why Choose Us?

Synergy Engineering is dedicated to delivering efficient and effective design solutions, optimizing time and resources for our clients.

Our 'First Time Right' approach underscores our commitment to precision, aiming to eliminate the need for revisions and streamline project timelines.

Client communication is central to our process, ensuring clarity and alignment at every project stage.

We also value the power of collaboration, recognizing that combined efforts often yield superior results, a principle fundamental to our approach in every project.



73m

The Tallest
Transport

8080t

The Heaviest
Transport

3500t

The Largest Designed
Lifting Appliance

~1500m

The Deepest
Installation

01

Our process is methodical and client-focused, ensuring that each project is tailored to meet specific needs and standards.

02

We guide our clients through design approvals and provide support for any questions or challenges that arise, including onsite support where necessary.



Creating a Better Tomorrow, One Project at a Time



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