MASTER'S GRADUATE PROGRAMME
MARITIME ENGINEERING

- NAVAL ARCHITECTURE
- CIVIL ENGINEERING
- MECHANICAL ENGINEERING

KICKSTART YOUR
CAREER

SAL ENGINEERING

MASTER'S GRADUATE PROGRAMME
MARITIME ENGINEERING

COME ONBOARD AND KICKSTART YOUR CAREER

You recently completed your master's degree in naval architecture, civil or mechanical engineering. If you're looking for an exciting job, our programme will be the stepstone to propel your career. Tackle complex projects in maritime heavy lift shipping and logistics hands-on, and be at the forefront of finding the right technical solution for our clients worldwide.

HANDS-ON EXPERIENCE

CUSTOMISED

We can customise our modular 12-month graduate programme in line with your interests and career plans.

BUILD YOUR OWN NETWORK

OUR PROGRAMME INCLUDES:

- Technical training onboard our vessels — sail on our vessels to learn operations first-hand
- Working abroad — explore the world of heavy lift shipping with our global experts (Manila, Singapore, Rotterdam and Houston)
- Specialise your skills — hydrodynamic / structural analyses, sea fastening, lift designs, weather routing studies with specialised software (AutoCAD, Inventor, Octopus Office, Orcaflex, ANSYS and other specialized software solutions)
- On-site work as Supercargo Superintendent to supervise load and discharge operations

WORKING WORLD-WIDE

DIPL.-ING.

KARSTEN BEHRENS

MANAGING DIRECTOR, SAL ENGINEERING

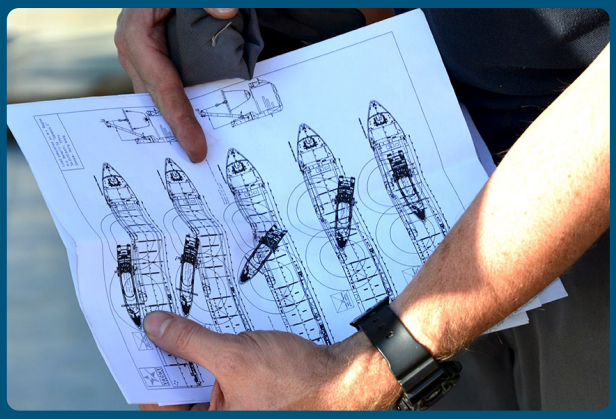
"In marine heavy lift engineering, every project is unique and requires various engineering disciplines to come together. It's often challenging to find a solution — but never boring!"

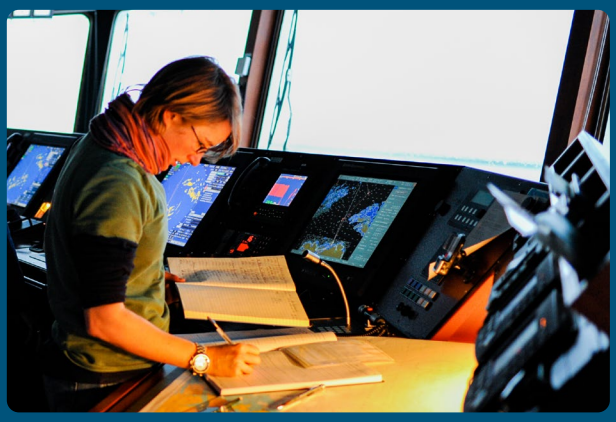
WE OFFER YOU:

- A multinational workplace where each day is different and all projects are unique
- A strong team culture and an open and friendly atmosphere
- Qualification training — CAD trainings (company specific AutoCad), language training (business English/German) as well as specific offerings based on your interests (e.g. negotiation training)
- On-site project visits and travel opportunities
- Support and supervision from designated contacts in your department, a trainee supervisor during the entire programme and regular feedback on your work
- Work package incl. laptop, smartphone, and more
- Assistance with finding accommodations
- Fair trainee salary with additional benefits such as company fitness, lunch offers and more
- **Potential for a permanent employment contract at SAL after successful completion**

YOUR PROFILE:

- You have completed a master's level degree as a Naval Architect, structural or mechanical engineering or other relevant engineering education
- You are ready to take responsibility and can work independently
- You thrive in a multinational team environment where teamwork is essential





See more of our engineering projects on:

YouTube

sal-engineering.de

JOIN OUR TEAM

Join us as we strive to set new standards in global maritime engineering. Together we collaborate across continents and oceans, realise great projects and create a better tomorrow in a workplace where everyone can feel at home. Our strong team experts successfully combine the knowledge of naval architects, structural and welding engineers as well as master mariners and marine engineers. Our goal is to foster a culture that is honest to our values – one that attracts the best talent, and champions diversity of experiences and inclusion of perspectives while encouraging innovation.

BIN

M. Eng. Naval Architecture
and Marine Engineering,
Senior Project Engineer

"Profound knowledge of ocean hydrodynamics and motion principles ensures reliable results."

"Graphic representations of technical solutions are important to ensure safe on-site implementation."

ANGELA

CAD Designer,
CAD Trainer

"Good teamwork and cooperation are essential to get the jobs done."

RALF

Dipl.-Ing.,
Naval Architect,
Senior Project Engineer

LET'S BUILD CUSTOMISED TRANSPORT SOLUTIONS

From logistics concepts to dockyard planning, detailed analyses and salvage solutions to technical visualisations and animation — our team knows how to master ambitious marine engineering projects. As an industry partner for technology development, we provide comprehensive engineering services while using the latest software. We put concepts to the test and deliver unique solutions. Our expertise rests in our work with world-leading oil & gas, renewables and engineering companies.

The renewables business is very important to us. Our engineering team has developed customised transport solutions for hundreds of Monopiles (MPs), Transition Pieces (TPs), wind blades and other cargo for the renewable sector. One major project was the Walney Extension Project. We were responsible for transporting MPs and TPs, which provide the foundation for the Walney Offshore Wind Farm off the coast of Northwest England. On several consecutive voyages over about 10 months, we shipped 87 MPs from Rostock to Belfast and 87 TPs from Tees and Aalborg to Belfast. With a height of up to 33 metres, a diameter of more than seven metres and a single weight of up to 561 tonnes, the TPs are among the largest ever built.

WALNEY EXTENSION PROJECT

Cargo	87 Monopiles (MPs) 87 Transition Pieces (TPs)
Weight	Up to 1019 t (MPs) Up to 561 t (TPs)
Dimensions	Up to 72.56 m long. Ø 8,4 m (MPs) Up to 33 m long. Ø 7,44 m (TPs)
Engineering scope	• Grillage design and structural calculations • TP grillage design and structural calculations • MP cradle design and structural calculations • TP lifting tool (TPLT) design • Supervision of TP grillage and MP cradle production • Supervision of Transition Piece Lifting Tool production • Procurement of TP grillage and MP cradle • Route assessment (motion analyses, weather routing)
Methods / Software	• AutoCAD • Inventor • RFEM • OCTOPUS-Office

FLORENTIN EDLER, M. SC.

PROJECT ENGINEER AND
FORMER WORKING STUDENT

"My job at SAL Engineering gives me the chance to get hands-on experience with challenging heavy lift projects. In addition to being involved with the full project execution, I am also responsible for ongoing projects and help to ensure that they are completed in a relatively short period of time. Besides finding customised engineering solutions for each cargo, working at SAL Engineering provides many chances to broaden your horizons with research activities or extraordinary projects. Like analysing fleet operations, working and optimising potential newbuilding projects, and applying state-of-the-art technologies to develop innovative solutions to future problems."

Interested?

Contact us today and kickstart your career with SAL.

jobs@sal-heavylift.com

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ABOUT US

SAL Engineering is an independent engineering and consulting firm offering technical solutions for the sea transport of heavy lift and project cargo, marine installation and site support. The company was founded in 2017 as a sister company to SAL Heavy Lift, a premium carrier with a strong global reputation. SAL Engineering's specialists can rely on the extensive know-how and skills from thousands of successful projects realised by the SAL Group. SAL Heavy Lift and SAL Engineering are members of the Harren & Partner Group.

SAL
ENGINEERING

www.sal-engineering.de