TRAINNEES WHO MAKE A DIFFERENCE

Open the door to the Bachelor of Technology Management and Marine Engineering

"We have had a very positive experience. Jakob's work with the development project was very determined and independent, and you could feel his commitment. Subsequently we chose to hire Jakob in our development department so he could finish his project among other things, Managing Director at Green Instruments Oluf Sigh says."
Our trainee, Mikkel Klaris, has just finished the training school at the marine engineering college. None the less he is already producing objects in the machine shop which would normally be the job of a skilled machinist. This is after a mere seven months of practical training. On an everyday basis he works independently with tasks usually performed by a skilled industrial designer.

Carsten Corfitz,
Maintenance manager, Novozymes.

"Our trainee, Mikkel Klaris, has just finished the training school at the marine engineering college. None the less he is already producing objects in the machine shop which would normally be the job of a skilled machinist. This is after a mere seven months of practical training. On an everyday basis he works independently with tasks usually performed by a skilled industrial designer.

Carsten Corfitz,
Maintenance manager, Novozymes."
Students combine theory and practice in companies

During the bachelor internship, students utilise their theoretical knowledge and practical skills when performing tasks in companies. For their final project the students analyse a problem in the company and the results of their research are often quite profitable for the company in question.

For the student the purpose is to combine theoretical knowledge and practical skills by grappling with projects relevant to their future profession as marine engineers. To companies it is an opportunity to gain assistance in identifying and analysing problems. Something they might otherwise be too busy to do on an everyday basis.

The students often take their starting point in their bachelor project on challenges encountered during the preceding work experience. This means that the companies will usually end up benefiting from useful solutions for technical problems. Sometimes they also get input for optimization or suggestions for cost reductions.

The final semester at school marine engineering students have a ten-week work experience followed by a project period which lasts ten weeks as well. Companies are not required to pay the students as they receive their State education grant for the entire duration of the work experience.

On day two of his internship, Sune solved a problem with our ventilation system which others had tried to solve in vain. Fortunately, Sune kept delivering the goods to such a degree that soon we could not get by without him. In fact two divisions wanted to hire Sune permanently, but the electricity division won in the end, the factory manager at Aasted, Axel Petersen, says.

“Potential for millions at Toms”

Chocolate production requires a variety of thermal processes. Therefore the Toms Group in Ballerup has a large cooling plant utilizing ammonia for cooling in their boiler plant. Simon Dige Olsen’s bachelor project consisted in making a preliminary analysis to pave the way for the replacement of a series of evaporative condensers due to wear as well as requirements concerning noise.

Apart from a significant environmental gain, the analysis made in Simon’s bachelor project revealed a massive potential for cost reductions of just under DKK 2.2 million. This came as quite the surprise for Toms. The great result of Simon’s project was the direct reason why today he is employed as the production and maintenance coordinator at Toms.

Intelligent energy conservation at hospital

Vejle Hospital is situated at the base of a hill. To avoid flooding of the basement large amounts of rain water and drainage water were continuously pumped from the site previously. Today, however, the water is used for cooling nearby machines. This chance originated in a bachelor project by two marine engineering students, Michael Brejner and Jesper Johansen. The recommendations in their project turned out to be profitable and lead to significant energy savings in the hospital.
Innovative interns with extensive technical knowledge

The bachelor of technology management and marine engineering is the most versatile technical education in Denmark. BTecMan are in charge of operation and are behind many of the ideas and technical solutions which have given Denmark a leading position within e.g. the shipping industry, power plants, wind turbine technology, wastewater treatment and the intelligent electricity network. They manage work in the offshore sector with the valuable extraction of oil and gas, and they are responsible for the essential technology at the Danish hospitals. In brief, the BTecMan is a multifaceted technical leader who is useful in a number of key tasks within the fields of management and technology.

Please do not hesitate to contact the schools for more information

Fredericia Maskinmesterskole
Købmagergade 86 • 7000 Fredericia
Tlf. 7592 2833 • fms@fms.dk • fms.dk

Fredericia Maskinmesterskole Esbjerg
Niels Bohrs Vej 3 • 6700 Esbjerg
Tlf. 7592 2833 • fms@fms.dk • fms.dk

MARTEC
Hånbækvej 54 • 9900 Frederikshavn
Tlf. 9620 8888 • martec@marotec.nu • martec.nu

Maskinmesterskolen København
Akademivej, Bygning 358 • 2800 Lyngby
Tlf. 4525 7600 • info@msk.dk • msk.dk

SIMAC - Svendborg International Maritime Academy
Graaesvej 27 • 5700 Svendborg
Tlf. 7221 5500 • mail@simac.dk • simac.dk

Aarhus Maskinmesterskole
NAVITAS • Inge Lehmanns Gade 10, 2. sal • 8000 Aarhus C
Tlf. 8612 6222 • aams@aams.dk • aams.dk

Aarhus Maskinmesterskole
NAVITAS • Inge Lehmanns Gade 10, 2. sal • 8000 Aarhus C
Tlf. 8612 6222 • aams@aams.dk • aams.dk

SIMAC - Svendborg International Maritime Academy
Graaesvej 27 • 5700 Svendborg
Tlf. 7221 5500 • mail@simac.dk • simac.dk

Aarhus Maskinmesterskole
NAVITAS • Inge Lehmanns Gade 10, 2. sal • 8000 Aarhus C
Tlf. 8612 6222 • aams@aams.dk • aams.dk

During his bachelor internship Kristian did a market analysis of the procedure within the oil field which has subsequently provided us with still more tasks. Today we have chosen to permanently employ him, Chris Durhuus, Senior Project Manager at Safe Ocean Service, says.