

# NCE MARITIME TRAINEE

An adventure for you!



NCE

Norwegian Centres  
of Expertise

**ACHIEVE AN ADVANCED MSC DEGREE AND COMBINE IT WITH AN INTERESTING JOB IN  
THE NORWEGIAN MARITIME CLUSTER – SIMULTANEOUSLY!**

# The maritime industrial cluster

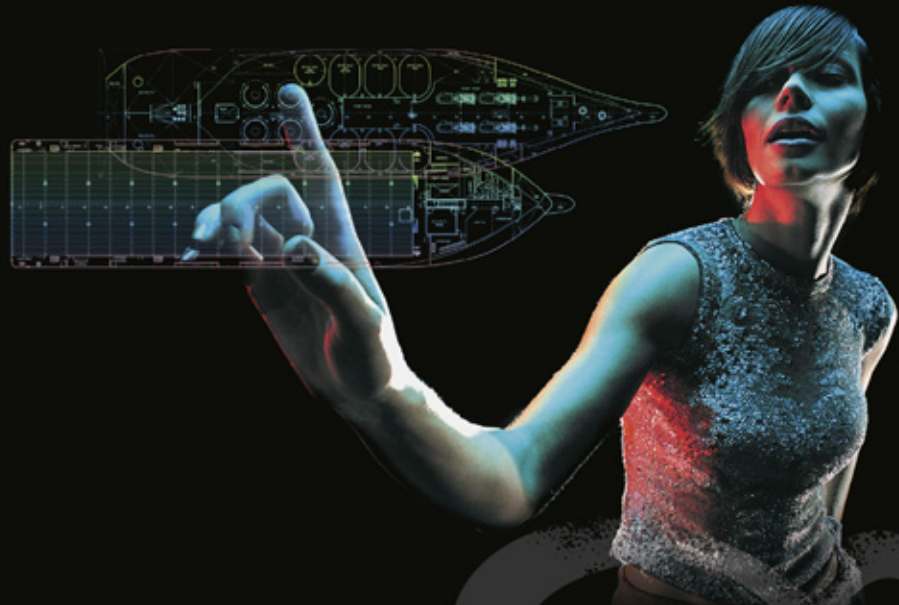
Advanced maritime offshore operations are the core business of Western Norway's maritime industry. The industrial cluster is comprehensive and comprises companies specialised in ship design, equipment supply, ship building, ship operations, training of crew, research and education. The number of companies in this cluster are 180 - and they have a turnover of more than NOK 30 billions with 18 000 employees. And they deliver advanced technology in the high end of the scale.

## Exciting challenges lie ahead

Operations in arctic regions with temperatures below zero, very icy conditions and vulnerable natural environment present challenges that open for innovations you can help to create. Heavy installations at an ocean depth of several thousand metres are another example. Safety and environmental considerations are an important challenge for all operational endeavours. How can we achieve this with the utmost precision?

You can be a part of moulding the global future of the offshore oil and supply industry. As an NCE Maritime Trainee you will gain work experience in the most advanced companies in the world and get an MSc degree in product and system design at Aalesund University College.





## Trainee and MSc degree in product and system design

The main objective with the programme is to encourage young talents for a career in the global maritime industry. As a participant in the trainee programme you will be working part time in one of the companies in the region of Aalesund (50% of the time) and doing MSc study at Aalesund University College (50% of the time). Your employer will pay you a wage amounting NOK 150.000 a year. There are no duties or commitments after having fulfilled the programme. An introduction to Norwegian culture and language as well as social activities is included in the programme.

The requirement for admission is BScs in mechanical or marine engineering, naval architect or a documented equivalent education. The programme is 4 years. Applicants who in addition have 2 years of relevant work experience as an engineer, may take a professional master's degree. The programme is then 3 years. There is no fee at the university college.

The future of product and system design is unlimited. The programme focuses on the design of ship equipment and maritime systems. Automated and remote-controlled deck solutions are being developed to safeguard crew performing hazardous tasks. Robots, cranes and winches are used in these solutions that must address the complex interaction between operators. Environmental requirements aiming for zero emission present enormous challenges for new machinery and propulsion systems.

The structure of the MSc programme is made up of 6 subjects and 8 modules. Each subject is scheduled for a given day of the week allowing part time study and the modules is taught intensively over a one week period. The modules will be taught by experts in the industry or qualified lectures from all over the world.

### **Examples of subjects**

Product family design, computer aided engineering, machinery systems, advanced marine operations.

### **Examples of modules**

Lean design, ships and systems for cold regions, system engineering, human factors, project management.

# Are you ready for adventure?

Ålesund is situated at the West Coast of Norway. Art Nouveau architecture creates a fairy-tale atmosphere in the centre of Aalesund. This setting is enhanced by spectacular mountains and landscape. One of the reasons why many people choose to live and work in the Aalesund region is the high quality mode of living combined with the nearness to nature and natural environments.

Whether you choose to live in the town centre or in nearby areas, you have easy access to the university college and other facilities at your choice.

Please see [www.hials.no](http://www.hials.no) for information about the MSc programme and [www.ncemaritime.no](http://www.ncemaritime.no) for information about the NCE Maritime Trainee programme.

We are eager to give you the best possible advice about the trainee programme! Please contact professor Hans Petter Hildre ([hh@hials.no](mailto:hh@hials.no)) if you have any questions.

**Application deadline is April 15th, 2008.**

**The Master Programme starts August 14th, 2008.**





Aalesund University College  
in Aalesund, Norway

**[ NORWEGIAN CENTRE OF EXPERTISE MARITIME ] :**

14 design companies, 14 ship-owning companies, 12 shipyards and 139 equipment suppliers with altogether 18 000 employees turned over NOK 31 billions in 2006. (Source: Møre Research)



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MARITIME

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