



maritime
knowledge hub

Norway - a knowledge hub in the global maritime industry



Investing in maritime knowledge development

In June 2008 the Norwegian Shipowners' Association and Oslo Maritime Network launched an initiative to establish maritime professorships. They were inspired by the success of strong global clusters in using innovation and knowledge to transform themselves into "super clusters," or knowledge-driven world leaders in their fields.

Shipowners around the Norwegian coast and companies doing business in knowledge driven maritime industry participate as sponsors. The recipients are universities and colleges in Norway. The Research Council of Norway reinforce the private gifts.

This is Norway's largest ever

private investment in maritime knowledge development. The Maritime Knowledge Hub links together all segments of the maritime industry. It places education and research at the centre as drivers in the development of the maritime industry.

A STRONG CLUSTER

Norway and Oslo are home to a strong maritime cluster, housing world leading ship owners, shipping firms, ship builders and specialised maritime services. In order to upgrade as a knowledge hub in the global maritime industry, we need to attract the best international talents.

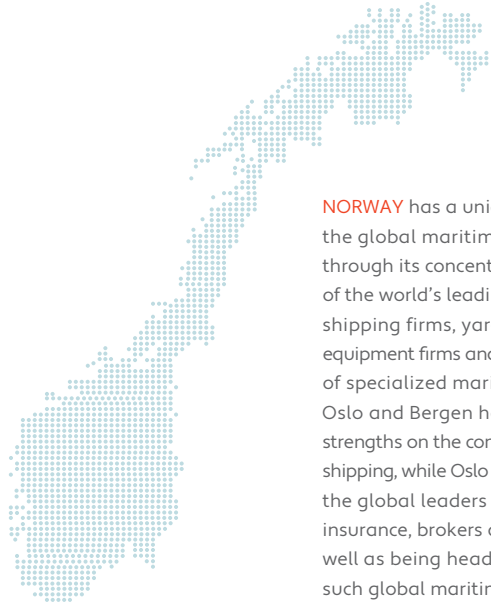
The Maritime Knowledge Hub was founded by The Norwegian

Shipowners Association (NSA) and Oslo Maritime Network (OMN). NSA has around 160 members – shipowners in the tanker and bulk transport sector, short sea sector and offshore activities. Oslo Maritime Network (OMN) is a non-profit collaborative network organization, with members from all segments of the maritime cluster in Norway's capital region. OMN focuses on three main areas of activity: innovation, education and recruiting, and marketing, with the aim of strengthening the regional cluster.

This is a presentation of the initiative and the new chairs so far resulting from it. Please contact us or investigate further at www.knowledgehub.no.



Norway as Knowledge Hub in the Global Maritime Industry



NORWAY has a unique position in the global maritime industry through its concentration of some of the world's leading ship owners, shipping firms, yards and ship equipment firms and a whole range of specialized maritime services. Oslo and Bergen have their strengths on the commercial side of shipping, while Oslo also is home to the global leaders in ship finance, insurance, brokers and law, as well as being headquarter for such global maritime actors as DNV and Aker Solutions.

NORWEGIAN WEST COAST has the leading yards and ship equipment industry, as well as a concentration

of offshore firms. Another maritime technology node can be found at Kongsberg and Horten, including lead positions in maritime IT. DNV provides ship classification and technical services at the highest international level, and Marintek and NTNU offer maritime research and development that helps the maritime industry to keep its technological edge.

RESEARCH INSIGHTS into industrial cluster development internationally points out the importance of specialized research and quality education in cluster development.



EXAMPLES include the development of the IT cluster in Silicon Valley California and the life science cluster in Boston, Massachusetts. In the maritime industry, we can observe how Singapore, Japan, Korea and China now invest heavily in maritime research and education and in Northern Europe we find similar upgrading of maritime education and research in Hamburg, Gothenborg and Copenhagen.

In order for Norway to upgrade as a knowledge hub in the global maritime industry, we need to attract the best international talents. This requires developing

high quality educational programs specializing in shipping, at bachelor master and doctor levels. Such programs should have a global reach, and the candidates should work closely with maritime companies located in Norway and the rest of Europe.

GLOBAL QUALITY educational programs can only succeed if they have a firm research base and close relationships with the maritime industry. Thus funds needs to be challenged into specialized professorships in order to create research centres working in the maritime areas.



There is room in the world for two or three Global Maritime Knowledge Hubs. Norway can be one of them.

Torger Reve,
Professor at BI

From left: Professor Torger Reve (BI), Professor Roger Skjetne (NTNU), Professor Marilena Greco (NTNU), Professor Bjørn Egil Asbjørnslett (NTNU) and Professor Svein Sævik (NTNU).

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Sponsoring professorates is a win-win situation, both for sponsors and recipients.

Roger Skjetne, Professor at NTNU

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Academia should be more open to input from the industry, because it leads to more relevant research.”

Bjørn Egil Asbjørnslett,
Professor at NTNU.

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Your time as a PhD-student is the best time in your working life, as you focus on what you are best at without punching a clock.

Svein Sævik, Professor at NTNU.

UPDATED AS OF 14.04.10

SPONSOR	RECIPIENT	SUBJECT
Kongsberg Maritime AS	NTNU – Marine technology	Marine cybernetics
Leif Höegh & C	NTNU – Marine technology	Green Shipping
Det norske Veritas	NTNU – Marine technology	Maritime logistics
Det norske Veritas	NTNU – Marine technology	Marine hydrodynamics
Det norske Veritas	NTNU – Marine technology	Ice Mechanics
Marintek	NTNU – Marine technology	Construction technology
Ulstein Gruppen	College of Ålesund	Skip Design
NCE Maritime	College of Ålesund	Product and systems design
Farstad Shipping, Island Offshore, Havila Shipping og Det Norske Veritas	College of Ålesund	Maritime operations management
Wilh. Wilhelmsen	BI Norwegian School of Management	Maritime competitiveness
Kr. Gerhard Jebsen Foundation	NTNU - Marine technology	Production and quality engineering
Knutsen O.A.S. Shipping, Østensjø Rederi, Eidesvik Offshore, Solstad Offshore og ResQ AS (eid av de fire)	College of Stord/Haugesund	Quality assurance and risk management
Ministry of Trade and Industry	NTNU – Marine technology	Marine transport in the Arctic

In addition to the chairs, the hub sponsors two centres for research. Centre for High North Logistics in Kirkenes is sponsored by Tschudi Shipping, DNV and the Ministry of Foreign Affairs.

University Technology Centre at NTNU is sponsored by Rolls-Royce Marine.

Thirdly DNV also sponsors a professor II-chair in building technology at NTNU Marine Technique.



What's in it for you?



Working on a PhD gives students an opportunity to immerse themselves in a subject, and have their curiosity satisfied. It gives them time to figure out how things are really connected.

Knut Willhelm Høyland,
Professor at NTNU

Professorships run for a minimum of five years and donors put up mNOK 6 (EUR 700,000) for each. This will release 25 per cent extra funding from the government through a special gift support scheme. Each chair will be supported by one or more PhD candidates. The professors and PhD candidates will receive funds that you would otherwise not receive. You will be able to connect to a company, which could be fruitful to your understanding of the market and industry. You will be invited to attend various Hub arenas and meet both sponsors and other researchers. Your research and

various publications may attract new readers.

The sponsors will help finance an institute you rely on or a special topic of great relevance to you. You will be able to connect to a professor and his/her academic team. Even though you will not be able to decide in detail the research of a professor, he or she will be interested to listen to your views. Your donation is tax deductible. And you can spread the word about your donation to employees customers, society at large, and include it in your CSR reporting.

The Hub also aims to support some





The Norwegian Shipowners' Association and Oslo Maritime Network has launched an initiative to establish maritime professorships. The goal is that the professorships will help propell Norway to status as a Global Maritime Knowledge Hub. Companies in shipping around the coast participate as sponsors. The recipients are universities and colleges in Norway. This is Norway's largest ever private investment in maritime knowledge development.

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