

ATV-SEMINAR



Organizer	ATV and DTU, AAU, AU, SDU
Time	9. October 2015, 09:30 - 16:15 hours
Place	DTU – Technical University of Denmark, Building 101, Meeting room 1

Innovation in the Danish Maritime Industry

During recent years, many maritime research and education activities have been initiated. ATV has taken a part in initiating these activities with funding from The Danish Maritime Fund. More information can be found on ATV's website. Furthermore, other examples are the Plan for Growth in the Blue Denmark from the Ministry of Business & Growth and the INNO+ Catalogue with Blue Jobs via Green Solutions from the Ministry of Higher Education and Science.

It is time to take stock of the development so far and look into and discuss new innovative needs, opportunities and possible actions in the Danish Maritime Industry. This is the agenda of the seminar "Innovation in the Danish Maritime Industry - value creation between academia, industry and public sector". The seminar is organized by ATV, DTU, SDU, AU, AAU, FORCE Technology, Danish Maritime Authority and MAN Diesel & Turbo.

The seminar is taking place during the Danish Maritime Days. Danish Maritime Days is a major new event for the global maritime industry. It brings together a broad spectrum of stakeholders from industry, universities and regulators etc. around the world with the objective to find new solutions to the most important challenges facing the industry today and in the future.

The seminar is funded by The Danish Maritime Fund.

Moderator of the day: Senior Vice-President, Dean of Graduate Studies and International Affairs, Martin Bendsøe, DTU.

Program

09:30 –	Coffee and registration
10:15	
10:15 –	Welcome and introduction
10:30	<i>Senior Vice-President, Dean of Graduate Studies and International Affairs, Martin Bendsøe, DTU, moderator</i>

10:30 – **The development and need within education, research
and innovation in the Danish Maritime Industry**

11:00 *Director Hans Otto Kristensen, HOK Marineconsult ApS*

11:00 – **The need for research, knowledge and competencies in
the Danish Maritime Industry**

11:25 *General Director Hans Müller Pedersen, The Danish Agency for
Science, Technology and Innovation*

Presentation of a report on the need for interdisciplinary
research and collaboration in the maritime area from March
2015

11:25 – **Lloyd's Register's Global Marine Technology Trends 2030**

11:45 *Area Consultancy Manager Jesper Aagensen, Scandinavia & Bal-
tic, Lloyd's Register Marine*

The presentation will brief you on the report Global Marine Tech-
nology Trends 2030 which is the culmination of a collaborative
project between Lloyd's Register, QinetiQ and the University of
Southampton looking at the future for commercial shipping. In
asking 'what's next' GMTT 2030 is an aid to business, policy mak-
ers and society in trying to understand the future for the mari-
time industries and the oceans. Assessing 56 technologies and
then focusing on 18 specific areas of technology, GMTT 2030
builds on the scenarios work in Global Marine Trends 2030 and
Global Marine Fuel Trends 2030 to provide insight into the impact
and – critically – the timescales of transformative technology.

11:45 – **Maritime Education – what are the challenges?**

12:00 *Lektor Ulrik Dam Nielsen, DTU Mechanical Engineering*

12:00 – **LUNCH**

12:50

12:50 – **Value creation between academia, industry and public
sector in Clean Cluster**

13:15 *Senior Director Morten Weeth, CLEAN*

13:15 - **"Green Ship of the Future" and "Blue Innoship" - from
Research to Innovation**

13:40 *Head of secretariat / Project manager Anne Katrine Bjerre-
gaard, Green Ship of the Future*

&
Programme Manager Magnus Gary, BlueInnoship

13:40 – **Innovation examples within the Danish Maritime Industry**
14:50

Speakers:

- **Innovation in Lauritzen Kosan**
Vice President, Head of Fleet Management, Claus Winther Graugaard, Lauritzen Kosan
- **Innovation in MAN Diesel & Turbo**
Vice President Søren H. Jensen, MAN Diesel & Turbo, R&D, Low Speed
- **Examples of collaboration between Advanced Technology Group, Danish companies and universities** *Head of Division Peter Krogsgaard Sørensen, Division for Maritime Industry, FORCE Technology*
- **Biomass for the 21st Century**
Professor Claus Felby, Institut for Geovidenskab og Naturforvaltning, Skov, natur og biomasse, KU, head of "Biomass for the 21st Century"
- **Bawat - Ballast Water Treatment**
CEO Kim Diederichsen, Bawat
- **Research Based Teaching and Industrial Ph.D.**
Professor, DSc Jørgen Juncher Jensen, Section of Fluid Mechanics, Coastal and Maritime Engineering, DTU Mechanical Engineering

14:50- **BREAK**
15:10

15:10 – **Panel debate: Possibilities and barriers for maritime innovation**
15:50

Panel speakers:

- *Director Anne Skov Strüver, Maritime Regulation, Danish Maritime Authority*
 - *Vice President Søren H. Jensen, R&D, Low Speed, MAN Diesel & Turbo*
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- *Vice President, Head of Fleet Management, Claus Winther Graugaard, Lauritzen Kosan*

 - *Professor, DSc Jørgen Juncher Jensen, Section of Fluid Mechanics, Coastal and Maritime Engineering, DTU Mechanical Engineering*

15:50 –	Closing
16:00	<i>Senior Vice-President, Dean of Graduate Studies and International Affairs, Martin Bendsøe, DTU</i>
16:00–	Networking
16:30	
