

Transportens Innovationsnetværk

An introduction to

TINV

at

Global Wind Energy Shipping and Logistics PhD Research Project Reference Group Meeting

Port of Aalborg, Nov. 12, 2018



A few facts:

The Transport Innovation Network (WWW.TINV.DK) has been the **Danish national innovation network for transport and logistics** since 2009.

Funding just granted by the Danish Ministry of Higher Education and Science for the period 2019-2020

→ No membership fee



New grant enables continued focus on:

Transport og logistics – across all transport modes

Focus on **sharing knowledge** and **exploiting synergies** between industries while adressing the major **trends and key challenges**:

- Globalisation
- Digitalization
- Energy efficiency
- Green growth
- Sustainability



Partners in TINV:

- Maritime Development Centre (MDC)
- Danish Technological Institute
- FORCE Technology
- Universities: DTU, SDU, AAU og CBS



Main themes:

- 1. Vehicle and ship technology
- 2. Logistics models and processes
- 3. Infrastructural systems



1. Vehicle and ship technology

Support efficient green initiatives in the transport sector and assist in exploitation of Denmark's leading position within green technologies:

- Batteries
- Energy efficient propulsion systems
- Sensors, IoT, Big Data, Cybersecurity
- Platooning
- Autonomy
- Advanced decision support
- Emission technologies (filters, scrubbers etc.)



2. Logistics models and processes

Focus areas:

- Digitalisation
- Automation
- Process innovation
- Business innovation
- E- commerce
- Multi/Omni channel commerce
- Intermodal / Multimodal transport
- City logistics (e.g. night distribution)
- Logistics at construction sites



3. Infrastructural systems

Initiatives supporting efficient and sustainable transport incl.

- ITS and automation and
- Energy infrastructure incl. alternative fuels, biofuels etc.



Implementation strategies

- Tools & methodologies
- Business concepts
- Education and competences
- Innovation stimulation
- Match-making
- Involvement of members (networks, workshops, project initiation)

Locally, regional, and international collaboration

Previous activities

TINV in Offshore Wind



Offshore Wind Lifts Together

Offshore wind industry frontrunners the likes of Siemens Gamesa

Renewable Energy, MHI Vestas Offshore Wind, DONG Energy,

Renewable Energy, MHI Vestas Offshore Windcarrier, Blue Water

Vattenfall, Statoil, A2Sea, Fred. Olsen Windcarrier, Blue Word

Vattenfall, Statoil, A2Sea, Fred. Olsen Windcarrier, Blue Water

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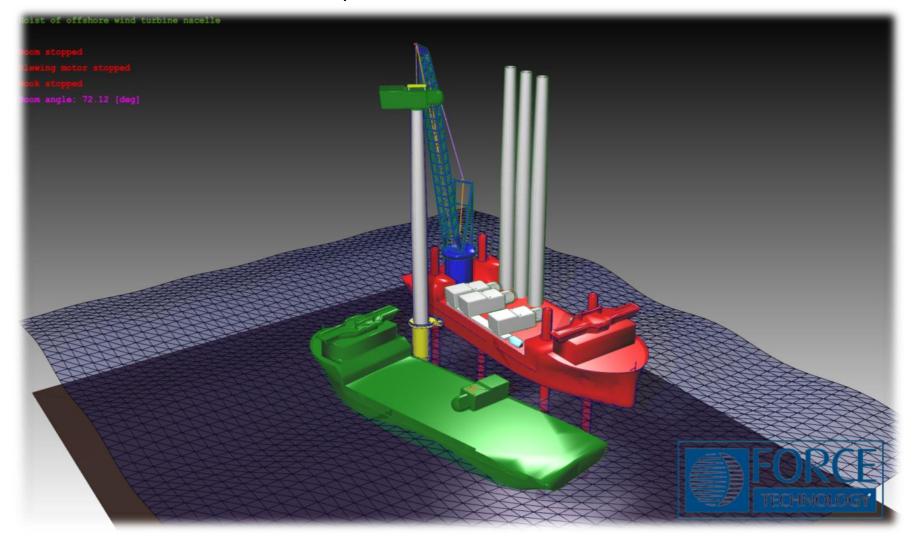




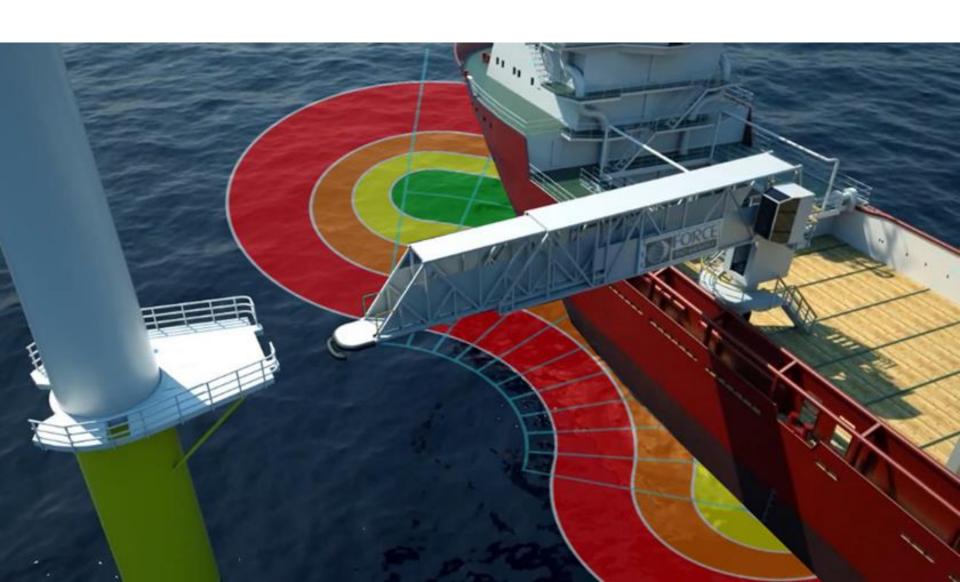
John Koch Nielsen

M.Sc. Control Engineering R&D Coordinator, FORCE Technology, Division for Maritime Industry

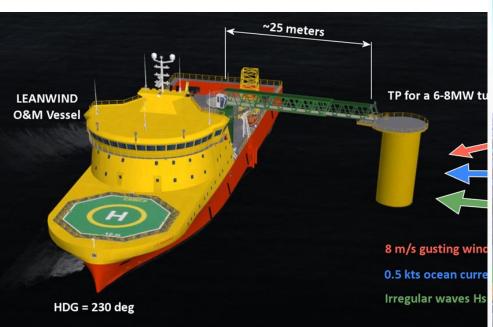
















Thank You!

John Koch Nielsen

jnn@force.dk www.tinv.dk

Tel: +45 2047 8345