



Invitation to PhD defense

Title

Logistics in Offshore Wind

By

Thomas Poulsen

Tuesday, August 21, 2018, at 13:00 hours, in the Auditorium
Ørsted, Nesa Allé 1, 2820 Gentofte, Denmark

Abstract:

The diffusion of offshore wind has picked up speed in the mature markets of Europe and new markets are emerging around the globe. Throughout all life-cycle phases of an offshore wind farm project, logistics plays a key role. In this PhD thesis, Thomas Poulsen investigates logistics in offshore wind. To be able to create a baseline, the research has yielded a proposed definition of logistics in offshore wind. Based on the growing cost pressures across the industry, a directional understanding of the costs of logistics in offshore wind as seen in relation to capital expenditure, operating expenditure, and levelized cost of energy has been provided as part of the research. In contrasting emerging and mature offshore wind markets, it was found that significant characteristics of the Chinese market were different from those in Europe. As part of an overall analysis of supply chain readiness, the conclusion was - when using the lens of logistics to evaluate - that the supply chain is not ready for the projected diffusion targets of governments at present. As a field of study and management practice, the thesis concludes that logistics deserves more focus than what has been the case previously within academia as well as in the offshore wind industry.

Assessment Committee:

Associate Professor Anders Paarup Nielsen (chair)

Aalborg University, Copenhagen, Denmark

Principle Engineer/Project Leader Wei He

Equinor, Bergen, Norway

Professor Chris Ellegaard

Aarhus University, Aarhus, Denmark

Supervisors:

Main Supervisor:

Professor Lars Bo Henriksen

Aalborg University, Aalborg, Denmark

Co-supervisor:

Associate Professor Poul Kyvsgaard Hansen

Aalborg University, Aalborg, Denmark

PhD Exchange Supervisor:

Senior Scientist Charlotte Bay Hasager

Technical University of Denmark, Risø Campus, Denmark

The PhD defense will be moderated by **Associate Professor, Lazaros Nalpantidis**, Aalborg University Copenhagen. The lecture constitutes a 45 minutes presentation by **Thomas Poulsen** followed by a short break and a discussion session with questions from the opponents and the auditorium.

After the defense, at approx. 16:00, Ørsted will welcome all to a reception in the common area in front of the auditorium.

The PhD defense is open to the public. As the PhD defense is conducted at Ørsted premises, pre-registration is necessary for security reasons. **RSVP via email** to Maia T. Ingvardson, Aalborg University (email: maia@business.aau.dk) or Thomas Poulsen (email: tp@mp.aau.dk).