

## Programme

DAY 1 (OPTIONAL)

### Company Visits

*Date: Tuesday 7th May 2019, 11:00 – 17:00*

to selected companies from the Offshore Wind Industry in Aarhus region.  
Full details to be announced.

*Please note that an additional fee of 500, - NOK will be charged to offset bus cost for this event.*

### Executive Summit

*Date: Tuesday 7th May 2019, 17:30 -19:00*

Venue: Comwell Hotel, Århus

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#### Welcome

Energy Innovation Cluster, CEO Glenda Napier and Norwegian Energy Partners, Director Wind David S. Ottesen

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#### Why are Danish & Norwegian Collaborations relevant?

Aud Kolberg, Norwegian Ambassador to Denmark

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Cross border cooperation:

**Danish Norwegian R&D Cooperation represented by DTU and NTNU/Sintef:** Importance of Innovation in the Offshore Wind Industry

Pro-Rector Bjarne Foss NTNU

Director of Institute Peter Hauge Madsen, DTU Wind energy

Head of Research Bård Tveiten SINTEF Ocean

Chief Scientist John Olav Tande SINTEF Energy

**Innovation Norge a driver for cross country alliances** - Ivar Singstad Special Advisor

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#### Offshore Wind in a global perspective

Speaker to be announced

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### Networking Dinner

*Date: Tuesday 7th May 2019, 19:00 – 22:00*

Venue: Comwell Hotel, Århus

DAY 2

## The Hackathon

Date: Wednesday 8<sup>th</sup> May, 2019, 08:00 – 17:30

Venue: Comwell Hotel, Århus

Innovation workshop addressing technology development challenges with three major players from the offshore wind sector.

The offshore wind market is in rapid development and expanding into a truly global business. Higher towers, heavier turbines, deeper waters and harsher environment will require more advanced solutions and analysis. To thoroughly address these issues will require deep insight in both the design, manufacturing, towers and foundations and O&M of wind parks. Further, it requires the same deep insight in advanced hydrodynamic analysis, structural analysis, experience from marine operation, logistics, rules related to marine operations and risk management.

How can the supply chain respond to some of the main challenges seen by **Vattenfall**, **Equinor** and **Siemens Gamesa**? Vattenfall, Equinor and Siemens Gamesa will present their main challenges in the offshore wind industry today. This Hackaton will address challenges such as:

- *Access to nacelle without door in towers. Platform free foundations*
- *New slip joint solution; smart connection method, correcting verticality & smart method if pile gripper doesn't work*
- *How to get rid of project specific certification of foundations*
- *Fast docking of SOV*
- *Modularized fabrication of jackets*
- *Instrumentation & Digital twin of foundations to optimize design*
- *Installation vessel of the future, what speed is required for the vessel*
- *Mobile and efficient cable testing equipment when moving from 33kv to 66kv array cable*

## Hackathon programme

8:00	<b>Registration and Networking coffee</b>
8:20	<b>Welcome and Program presentation</b> by Program Moderator, Ole Brøndum
8:30	<b>Presentation of Challenges in Offshore Wind</b>  <b>Equinor</b> presented by Pål N. Coldvin, Head of New Energy Development  <b>Vattenfall</b> presented by Ian Baker Manager Electrical Project Engineering

	<b>Siemens Gamesa</b> Renewable Energy A/S, presented by Jesper Møller, Head of Concepts & Solutions
09:20	<b>Format introduction</b> The Hackathon is facilitated by: - Tron Andre Svanes, Norwegian Energy Partners - Kristianne Paasche, Innovation Norway
09:30	<b>Presentation of the Hackathon participants</b> Individual pitch (20 seconds): Name, Company, Product/service
10:00	<b>Workshop:</b> including brief kick-off and establishment of working teams
12:00	<b>Lunch</b>
12:30	<b>Workshop:</b> Continue working the challenges
14:30	<b>Break</b>
15:00	<b>Workshop:</b> Continue working the challenges
16:30	Group <b>presentations</b> of results - Including plan moving forward
17:15	closing remarks

Registration via Energy Innovation Cluster website for Danish companies  
Registration fee NOK 1 250 for members and NOK 2 500 for non-members

DAY 3 (OPTIONAL)

**Annual Meeting: ENERGY INNOVATION CLUSTER**

*Date: Thursday 9th May, 2019*

*Venue: Søren Nymarks Vej 8A, 8270 Højbjerg, Aarhus.*

Join the annual meeting in Energy Innovation Cluster and partake in discussions on the new technology trends. [Separate registration through EIC here.](#)