



Achieving a Sustainable Future with Fossil-Free Solutions

Thursday 20 March | 10:30 - 12:00
Meeting Hall



Join us for an inspiring seminar focused on building a sustainable tomorrow. We'll move beyond simply identifying challenges and instead celebrate innovative solutions and forge partnerships to accelerate their adoption.

Danfoss's 3-Step Decarbonization Approach:

Andrea Hernandez, Head of Strategy and Sustainability at Danfoss, will present Danfoss' unique, three-step approach to decarbonization, and substituting fossil fuels is not the first step to take: it's the last!

Decarbonizing Maritime Solutions:

This session explores the unique challenges and opportunities for emission reduction in the maritime sector. Leading innovators will share cutting-edge solutions for greener marine operations. **Tapio Majaniemi**, Business

Development Director at WE Tech Solutions, will discuss emission reduction in shipping.

We will also deep dive into the EU-funded STEESMAT project, in which we develop a set of technologies and methodologies that will enable the deployment of onboard DC grids for large vessels to reduce GHG emissions and meet European environmental targets. Project also includes real-world testing and validation. **Magnus Hortans**, Senior Research Engineer at Danfoss will navigate us within this topic.

Energy Storage Solutions for a Sustainable Future:

This session will delve into the critical role of energy storage in enabling the widespread adoption of renewable energy sources and the electrification of various sectors. **Marko Lähteenmäki**, Chief Executive Officer at Enico will elaborate on their role in this market of the future.

Electrifying Off-Road Mobile Machinery:

Tommi Kankaanranta, Global Technology Manager at Danfoss, will address the significant CO2 emissions from off-highway heavy-duty machinery utilized in construction, mining and forest industry. He will discuss strategies for electrifying these vehicles.

Our [Fossil Free Future program](#) leads, guides, and supports an ecosystem in which power electronics form the basis for developing intelligent, sustainable and cost-effective, fossil-free solutions for electric energy transition.

Achieving a Sustainable future

with Fossil-Free Solutions

10:30 - 10:40

Welcome to the Fossil Free Future!



[Pia Karumaa](#)

Research Collaboration Director
Danfoss

10:40 - 11:00

Danfoss' 3-Step Decarbonization Approach



[Andrea Hernandez](#)

Head of Strategy and Sustainability
Danfoss

11:00 - 11:15

Towards Zero Emission Shipping'



[Tapio Majaniemi](#)

Business Development Director WE Tech Solutions

11:15 - 11:30

STEESMAT – Decarbonizing Maritime Solutions



[Magnus Hortans](#)

Senior Research Engineer

Danfoss

11:30 - 11:45

Energy storages are the Holy Grail of the energy transition



[Marko Lähteenmäki](#)

Chief Executive Officer

Enico Oy

11:45 - 12:00

Electrifying Off-Road Mobile Machinery



[Tommi Kankaanranta](#)

Global Technology Manager

Danfoss

Organizers



Pia Karumaa

Research Collaboration Director

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