

Deep Decarbonization Towards 2050

What to expect from transport and fuels

Monday 4. June from 16:00 – 18:00

Norway House, Rue Archimède 17, 1000 Brussels

The European Commission is working on the 2050 climate roadmap and the proposals for Horizon Europe are just around the corner.

What does deep decarbonization mean for policy beyond 2030? And what is the outlook for key sectors?

These are issues for debate as the Sustainable Energy Week is kick started at Norway House on Monday 4. June. You will hear from the European Commission and the Norwegian Government. You will also get updates on recent developments in Aviation, the Maritime sector and Hydrogen.

Please register online: [REGISTRATION FORM](#)

15:30 – 16:00 Registration

16:00 – 16:30 LEADING THE CLEAN ENERGY TRANSITION

- **Leading the Clean Energy Transition - What does it mean for EU energy policy?**
Paul Hodson, Head of Unit Energy Efficiency & Intelligent Energy, DG Energy
- **Emission reductions beyond the power sector - Lessons learned in Norway**
Toril Svaan, Ministry of Petroleum and Energy

16:30 – 16:50 THE SKY IS THE LIMIT – WHAT CAN WE EXPECT FROM AVIATION?

- **Emission-free aviation in 2040?**
Olav Mosvold Larsen, Senior Executive Advisor, Avinor
- **Electrification - An opportunity for the European aviation industry?**
Olaf Otto, eAircraft, Head of Sales & Business Development, Siemens AG

16:50 – 17:10 MAKING WAVES – INNOVATION IN THE MARITIME SECTOR

- **Self-going ships with zero emission - From dreams to reality**
Peter Due, Director Autonomy at Kongsberg Maritime
- **Waterways can provide sustainable transport in densely populated areas**
Hege Økland, CEO, Maritime CleanTech

17:10 – 17:25 WHAT IS THE ROLE FOR HYDROGEN?

- **How can energy companies pave the way for new solutions?**
Steinar Eikaas, Head of low-carbon solutions, Equinor

17:25 – 18:00 MODERATED DEBATE

[Jean-Arnold VINOIS](#) will lead a debate where key questions are:

- How can we decarbonize key sectors with high emissions, while maintain growth and employment in Europe?
- How can Horizon Europe help us reach our ambitions?

18:00 – 20:00 SUMMER RECEPTION

Leading the Clean Energy Transition, what does that mean for EU energy policy?

Both the European Council and the European Parliament have asked the European Commission to present a long-term EU greenhouse gas emissions reduction strategy. The Commission has responded that they will present such a strategy before the end of the year. Before that, the Commission will make a proposal for Horizon Europe. As the Sustainable Energy Week kicks off the Commission will share views on how the EU can lead the Clean Energy Transition.

Emission reductions beyond the power sector, lessons learned in Norway

Blessed with hydropower, Norway already has a (nearly) decarbonized power sector. Hence, the Norwegian Government focuses on sectors with emissions. As many of the most cost effective energy efficiency projects have been realized, efforts are now concentrating on innovation and market penetration for new technologies. Toril Svaan, from the Ministry of Petroleum and Energy, will elaborate on measures beyond the power sector.

Emission-free aviation in 2040?

Avinor, a Norwegian state owned company with the responsibility for 45 airports, has a vision that [all domestic aviation in Norway shall be electrified by 2040](#). Some would claim they are out of their mind, but you will hear them explain how this may become a reality.



Electrification - An opportunity for the European aviation industry?

Aviation is often perceived to be almost impossible to decarbonize. But is that a fact? And if not - could this be a massive opportunity for the European aviation industry? Siemens is heavily involved in the development of electric and hybrid-electric technologies for aviation. They will share their perspectives on the topic.

Self-going ships with zero emission - From dreams to reality

In 2017, the idea of an open top container ship, fully battery powered and prepared for autonomous and unmanned operation, hit a model in a tank. [Now it is under construction](#). In Q1 2019, the vessel will be delivered and testing will start. Peter Due, Director Autonomy at Kongsberg Maritime – the company responsible for development and delivery of all key enabling technologies, will present the project and the implications for the shipping industry.



Waterways can provide sustainable transport in densely populated areas?

Today, our cities have an ever-increasing demand for public communication. Expansion of the existing infrastructure is often challenging and expensive, but many cities are located near the sea, lakes or rivers. With this in mind, Maritime CleanTech has developed [The Urban Water Shuttle](#) – a groundbreaking concept of a zero emission fast going passenger vessel. Hege Økland, the CEO of Maritime CleanTech, will present the project and the enabling factors underpinning it.

How can energy companies pave the way for new solutions?

The energy scene is changing and so do companies. Statoil just changed name to Equinor, to underline that the company works with energy – not only oil and gas. Part of what they are doing is looking at conversion from natural gas to hydrogen with carbon capture. They will give an update on two projects – [Magnum](#) (from methane to Hydrogen in power generation) and Northern Lights (a storage site for CO₂ in the North Sea).