

Welcome to a webinar on...

European Hydrogen Strategies – Opportunities for the Norwegian energy sector

Thursday October 29th at 14:30-16:30

The Norwegian Association of Energy Economics (NAEE) is happy to invite both Norwegian and international members of the IAEE as well as other interested parties to an online webinar where we discuss European hydrogen strategies and their implications for the Norwegian energy sector.

As the European Union, Germany, France, Netherland formulate policies, targets and measures to increase the role of hydrogen in their national energy systems, one of the key questions for the Norwegian energy sector is: Which role can Norwegian gas and electricity resources play as Europe starts a build-out of a hydrogen economy?

To shed light on this key topic for Norwegian energy policy, the NAEE is proud to have two experts on the topic with us: Per Sandberg from the Norwegian Equinor Low Carbon Solutions and Thorsten Herbert from the Norwegian hydrogen company Nel. In addition, Mads Greaker and Adrian Mekki from the NAEE will contribute to the webinar.

Agenda

Adrian Mekki (THEMA Consulting group) – **Short introduction to European Hydrogen Strategies**

Thorsten Herbert (NEL) – **Nel's view on National Hydrogen Strategies in Europe**

Dr Per Sandberg (Equinor Low Carbon Solutions) –**Equinor hydrogen portfolio**

Mads Greaker (OsloMet) – **How and to what extent should the Norwegian government support the development of hydrogen?**

We will set aside time for questions and discussions after each presentation and at the end of the webinar! The questions can be sent in writing in the Zoom meeting room or in advance by email to iaee.no@gmail.com.

The seminar will take place digitally in Zoom. A link to join the meeting will be sent to participants ahead of the event.

Thorsten Herbert – Nel



Thorsten Herbert has recently joined Nel ASA as the Director for Market Development and Public Affairs. Thorsten's main objectives in Nel are to represent the company in relevant European associations, organizations, and forums, as well as to identify and influence funding opportunities supporting Nel's ambitions and strategic positioning.

Well known in the hydrogen industry, Thorsten has spent over 18 years building up the industry in Germany. With a Mechanical Engineering degree from TU Darmstadt and a Master of Science in Renewable Energy from HAW Hamburg, Thorsten has attained years of experience with hydrogen and fuel cell technology. From his many years with GM, working with fuel cell propulsion systems, and NOW GmbH – the main funding body for alternative fuels in Germany – he has developed a broad network within hydrogen and other alternative fuels.

Per Sandberg – Equinor Low Carbon Solutions

Dr Per Sandberg is senior advisor in Equinor Low Carbon Solutions. He leads business development in the Northern Lights project, in which Equinor, Shell and Total together develop an open source transport and storage solution for European CO₂. He also leads business development for maritime hydrogen. In 2015-16, Sandberg had leave of absence from Statoil to lead the secretariat for the Norwegian government's expert commission on green competitiveness, which delivered its report to the prime minister in October 2016.

Before that, he was Statoil's Chief of Innovation. Per has also been managing director at the World Business Council for Sustainable Development (WBCSD), leading and delivering the seminal projects *Vision 2050* (2010) and *Sustainable Mobility* (2004). Sandberg has a MScEng in chemical engineering and a PhD on ethical issues of biotechnology, both from the Norwegian University of Science and Technology (NTNU).



Mads Greaker- OsloMet



Mads Greaker is Professor of Economics at Oslo Business School (OsloMet). He holds a PhD in economics from the UiO, and a MSc from NTNU. Before joining OsloMet, he worked for several years as a researcher in Statistics Norway. His research revolves around topics such as green technology development, energy markets and climate policy.

Adrian Mekki – THEMA Consulting Group

Adrian Mekki is a senior consultant at THEMA Consulting Group in Oslo. He is engaged in projects covering a broad array of energy and climate-related matters. Before joining THEMA, he held positions for the Ministry of Foreign Affairs in Baku and Warsaw. He holds a Master of Economics and Business Administration and CEMS Master of International Management



NAEE Membership

Membership in NAEE automatically includes membership in the International Association of Energy Economics, IAEE. IAEE advances the knowledge, understanding and application of economics across all aspects of energy and foster communication amongst professional energy analysts. The Association has three publications throughout the year, "The Energy Journal", "Economics of Energy & Environmental Policy" and the "Energy Forum" (newsletter). Members of the association receive these publications as part of their membership, electronically or on paper. IAEE also organizes several annual conferences, and not at least, since the start of the Covid-19 crisis, webinars.

Membership is open to anyone worldwide who has an interest in the fields of energy or energy economics. Members are those working in both the public and private sectors including government, academic and commercial.

NAEE organizes several seminars (presently webinars) on topics within energy economics, targeted on fields of interest from a Norwegian perspective. As a member, you will be invited to these events. Seminars are free of charge for members (normal fee is 500 NOK for non-members, but webinars will be for free for the time being).

Membership costs 1050 NOK/year or 550 NOK/year for students. If you want to become a member, send an email to treasurer Gerard Doorman, gerard.doorman@statnett.no.