EnergyWeek



Clean Gas Energy Seminar 2

Thursday 20 March | 13:00 - 14:30
Music Hall | Free of Charge

The Clean Gas Energy is an international networking event for energy experts, focusing on gas, hydrogen and e-fuels in all forms for power generation, transport, shipping and industry. The seminars and exhibitions are aimed for professionals such as manufacturers & sub-suppliers, research and expert organizations, consultants, educators etc. EnergyWeek's gas-day is the biggest networking event within this sector in the Nordics.

The Gas Energy is organised by Expomark Oy in partnership with Alcea Oy and Novia University of Applied Sciences.

What is the role of Biogas in the green transition?

In a world increasingly captivated by hydrogen and Power-to-X technologies, it's crucial not to overlook other viable alternatives like biogas. This seminar explores the potential of biogas, emphasizing the availability of raw materials, innovative technical solutions, and critical success factors for project development. Biogas offers a readly, sustainable energy source that can significantly contribute to our energy mix already today. Join us to gain practical insights into how biogas production can drive sustainability while creating benefits for local farmers, businesses and communities.

The seminar ends with a panel discussion led by Cynthia Söderbacka, Project Leader under the Faculty of Technology & Seafaring- RDI, Novia University of Applied Sciences.



Moderator of the panel discussion
Cynthia Söderbacka
Team Leader – Sustainable Energy Technology (Process Engineering)-RDI |
Novia University of Applied Sciences

The role of biogas in providing a future energy boost for Finland

Finland has considerable potentials to increase the production and consumption of biomethane. Biomethane and other clean gases are needed to decarbonize industry and transport sectors. However, demand for biomethane remains limited. Heikki Lindfors from Energiateollisuus ry will share their view

on what role biomethane can play in Finland's and EU's future energy mix, and what actions and policy changes that are needed to make this happen.



Heikki Lindfors
Executive Senior Advisor / Gas market |
Energiateollisuus / Finnish Energy

Producing sustainable raw bio- materials for bio-methanation & other applications from waste wood

Xylo Gas Oy specializes in developing and delivering bioenergy cleantech solutions, focusing on wood gasification technology. Founded by CEO Fredrik Ek, the company has been active since the early 2000s. The company is currently constructing a prototype plant based on fluidized bed and pyrolysis screw principles, aiming for a fuel capacity of 1 MW. This facility will produce clean syngas, biochar, and heat from wood chips and recycled wood, with adjustable outputs. The syngas can be used as raw material for Methane or Methanol production, for replacing fossil fuels in industries or as fuel in CHP's.



Fredrik Ek
CEO |
Xylo Gas Oy

How to build a viable biogas ecosystem-lessons learnt

Gas1 offers comprehensive and customized solutions for biogas-related business. We implement biogas power plants from the design desk to energy utilization. The customer receives a tailored service for biogas-related business. We enable responsible business on the crest of the circular economy.



Mika Kallio
Managing Director |
Gas1 Oy

Panel Discussion



Cynthia Söderbacka
Team Leader – Sustainable Energy Technology (Process Engineering)-RDI |
Novia University of Applied Sciences



Heikki Lindfors
Executive Senior Advisor / Gas market |
Energiateollisuus / Finnish Energy



Fredrik Ek
CEO |
Xylo Gas Oy



Mika Kallio
Managing Director |
Gas1 Oy



Johan Saarela
Product Development Manager |
Stormossen Oy Ab

Organizers



Cynthia Söderbacka

Team Leader – Sustainable Energy Technology (Process Engineering)-RDI |

Novia University of Applied Sciences



Kjell-Owe Ahlskog

Owner and Managing Director |

Alcea

EnergyWeek