

Energy Workshop in Eindhoven

AI – consumer centric – weak grid solutions –
decarbonization – commercialization, and more ...

Innovation Workshop in
corporation with Energi21
at Hightech Campus,
Eindhoven, Netherlands



Why participate?

- **GET UPDATED:** Exposure to the latest in renewable energy and smart technology at the campus can enhance company operations.
- **GET NEW IDEAS:** Engaging with Eindhoven's innovation hub can spark new sustainable energy solutions for all participants.
- **GET NEW CONTACTS:** The workshop enables connections with global tech leaders, opening doors to collaborations and market expansion.
- **GET BETTER REPUTATION:** Participation showcases commitment to sustainability, improving company reputation on the global stage.
- **GET INSPIRED:** The workshop offers a concentrated learning environment on emerging trends, keeping Norwegian companies competitive.

THE NEWEST TECHNOLOGIES, THE NEWEST ENERGY SOLUTIONS, THE NEWEST ABOUT AI – ALL PRESENTED DURING INTERACTIVE SESSIONS AT THE PREMIUM TECH CENTER OF EUROPE

High Tech Eindhoven is known for its significant contributions to technology and innovation, particularly in the fields of electronics, information technology, and advanced manufacturing. This unique place is often referred to as the "smartest square kilometer in Europe". This innovation hub hosts over 250 companies and institutions, fostering a collaborative environment for research and development. It focuses on various high-tech sectors, including health tech, photonics, and advanced materials.

Brainport Eindhoven, including Eindhoven, is recognized as a leading technology region in Europe. It emphasizes a strong collaboration between businesses, knowledge institutions, and the government, driving economic growth and innovation.

Eindhoven University of Technology (TU/e) is a renowned technical university and a key driver of innovation in Eindhoven. TU/e specializes in engineering and technology education and research, contributing significantly to the region's high-tech ecosystem.

Open Innovation Model: Eindhoven is known for its unique open innovation ecosystem, where companies, startups, and research institutions collaborate closely to accelerate technological advancements and bring new products to market efficiently.

Startups and Scale-ups: The region supports a vibrant startup ecosystem, providing ample opportunities for emerging tech companies to grow. Incubators and accelerators, such as HighTechXL, play a crucial role in nurturing new ventures.



These are some of the reasons why we invite you to this forefront technological center for Europe. During two interactive days we will focus on new technologies, new energy solutions, the latest withing artificial intelligence and the development of other groundbreaking solutions – FOR US TO LEARN, ADAPT AND IMPROVE OUR OWN BUSINESSES.

Program

Tuesday, September 17

We are travelling to Amsterdam and will gather for a networking dinner at 19:00 in Eindhoven.

Wednesday, September 18

Morning - Planetary Sessions

08:30: Welcome Coffee

09:00: **Opening address**

- Ragnvald Nærø, CEO Smart Energy Network
- Bert-Jan Woertman, co-developer of High Tech Campus Eindhoven

10:15: **What is innovation, how do we do it?**

- Earl Goether, CTO at High Tech XL, professor at Technical University of Delft

10:45: **Case Studies and Innovation Showcase**

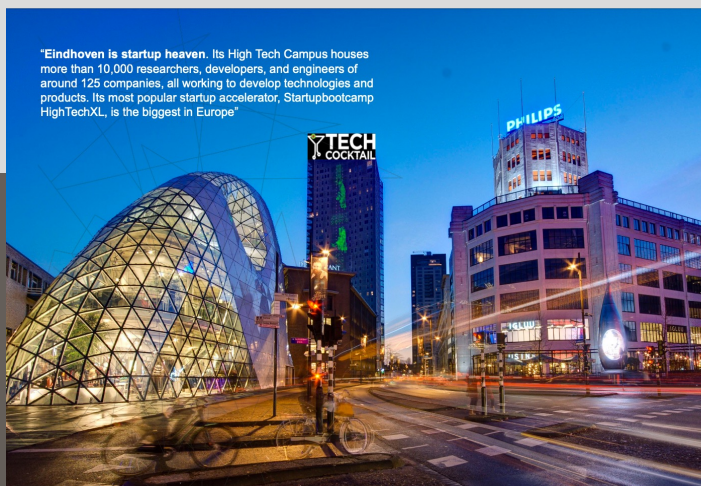
- Holst Centre /TNO about thin film batteries
- Lionvolt
- Battery Competence Cluster – NL
- Smart City Haag
- Solliance

12:00: Coffee Break

12:15: **PANEL DISCUSSION: New technologies and decision-making – when and how to make the right investment decision?**

- Moderator: Nils Klippenberg, CEO Siemens Norway

13:00: Networking lunch



Afternoon – Workshop Sessions 14.00 – 17.00

SESSION 1: RENEWABLE ENERGY ADAPTED TO CONSUMER-CENTRIC SOLUTIONS

The session will focus on innovative approaches to integrating renewable energy in consumer-focused ways. Experts will share insights on how to design and implement consumer-centric renewable energy solutions, drawing from real-world case studies and best practices. Attendees will gain practical knowledge and strategies to effectively incorporate renewable energy into consumer applications.

Short introductions by Energi21, Eviny, Statkraft, Aneo, NAF (NAFs søsterselskap i Nederland) NITO, Greenflux, Lightyear, Eneco
Moderator: **Eviny**

SESSION 2: INNOVATION IN ENERGY SOLUTIONS AND STORAGE IN INDUSTRY AREAS

This session will highlight the challenges and opportunities in implementing distributed energy solutions and storage in industrial areas with a weak grid. Representatives from leading organizations will share innovative strategies to address weak grid conditions and provide insights on distributed energy systems. Participants will leave with a comprehensive understanding of practical approaches to overcoming the challenges of distributed energy deployment, empowering them to develop robust and efficient energy solutions in complex grid environments. This session will address the latest technology within solar panels, storage solutions and energy management of distributed systems.

Short introductions by Aneo, Statnett, Tennet, Greenerway
Moderator: **Aneo**

19:00 Working dinner
The role of culture and humor in innovation ☺
Jasper Roose, CEO Limpid

Program

Thursday, September 18

Morning - Planetary Sessions

09.00: Energy Days at Eindhoven

We have been invited to participate in a conference focusing on nuclear fusion, organized as part of EnergyDays on September 19th. This event is a half-day gathering with 120-150 participants, open to the public, and will feature 3-4 speakers discussing a specific topic within the energy transition. The conference will conclude with a panel discussion and networking opportunities

12.00 – 13.00 Networking lunch



Afternoon – Workshop Sessions 14.00 – 17.00

SESSION 3: ARTIFICIAL INTELLIGENCE AND DIGITALIZATION OF THE ENERGY SYSTEM

This session will explore the transformative impact of AI on the energy sector. Experts together with the participants will discuss how AI can optimize energy systems, streamline processes, and enhance sustainability. Participants will leave with actionable insights and a deeper understanding of how to integrate AI into their own energy systems for improved efficiency and innovation.

The session will be organized by TU/e institutes EIREs (energy transition) and EAISI (artificial intelligence).

Moderator: **Bjørn Holsen, Statkraft and Energi21**

SESSION 4: COMMERCIALIZATION OF AND PRESENTATION OF NEW SOLUTIONS REGARDING DECARBONIZATION OF THE ENERGY SYSTEM

This session will focus on the commercialization and presentation of new solutions for decarbonizing the energy system. Expert presentations from leading companies will shed light on strategies for commercializing decarbonization solutions, while case studies and innovation showcases will reveal cutting-edge technologies for reducing carbon emissions. Attendees will gain valuable insights from workshops on the commercial aspects of decarbonization, equipping them with the knowledge to implement these solutions effectively in their own operations.

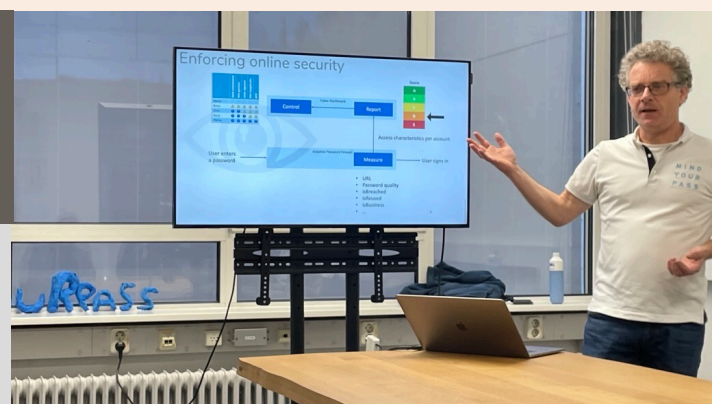
Short introductions by Equinor, Climeworks, InnoEnergy, Carbyon

Moderator: **Equinor**

Wrap up session

15.00: **Wrap up** with Lene Mostue, Director Energi21 and Bjarne Hareide, Smart Energy Network

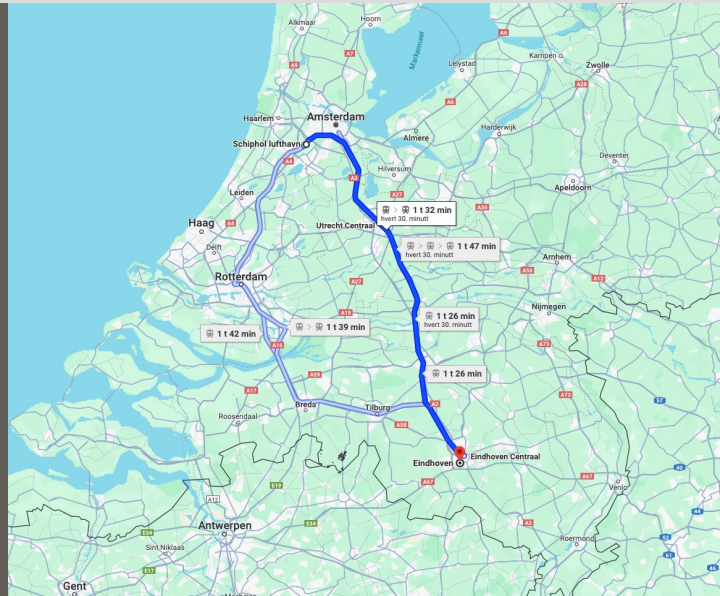
16.00: End



Join in

Why you should participate

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Terms and Registration

- **Membership Inclusion:** Participation fee is included for members of Smart Energy Network.
- **Additional Costs:** Expenses for transport, dinners, and accommodation are not included and will be additional.
- **Non-Member Fee:** A participation fee of NOK 27,500 per person is applied for non-members of Smart Energy Network.
- **Transport Arrangements:** Train transport between Schiphol and Eindhoven is planned.
- **Registration Contact:** For registration, contact CEO Ragnvald Næro at: ragnvald@naero.no.
- **Travel Arrangements:** For hotel and/or flight bookings, contact our travel agency Balslev (former Expert Reiser) at: maiken@expertreiser.no.
- **Participant Limits:** A minimum of 15 participants is required and a maximum of 35 is set.
- **Priority Access:** Members of Smart Energy Network and Energi21 have priority registration.
- Program updated at 10th of June. Final version at www.smartenergynetwork.no



Energy Workshop in Eindhoven

Smart Energy Network in collaboration with Energi21 invites you to an energy workshop in Eindhoven, the Netherlands. Energi21 is Norway's national research and innovation strategy for new climate-friendly energy technologies. Energi21 was established by the Ministry of Petroleum and Energy to advise on thematic and financial investment in research and innovation in renewable energy and climate-friendly energy technologies. Smart Energy Network is a Nordic competence network for inspiration, innovation, and business development. Our mission is to share, explore & improve your business.

The workshop will take place on Wednesday the 18th and Thursday the 19th of September 2024. We begin with a welcome dinner the 17th.

HIGH TECH
CAMPUS
EINDHOVEN

High Tech Campus Eindhoven

High Tech Campus Eindhoven, situated in the heart of the Netherlands, is a prominent technological innovation hub known for its strong commitment to green energy and sustainable solutions. The campus spans over 200,000 square meters and houses over 250 technology companies, research institutes, and startups, all working towards a more sustainable future. Here, international talents and technology leaders gather to develop advanced solutions in renewable energy, smart grids, and energy efficiency.

With state-of-the-art laboratories and research facilities, High Tech Campus Eindhoven provides a vibrant ecosystem for green technology development. It is a place where innovative ideas for sustainable energy solutions thrive, and where research and collaboration create innovation within the energy sector.

The campus is a key player in Europe's efforts to reduce the carbon footprint and is an inspiring meeting point for those who share the vision of a more sustainable future through advanced technology.

