

THE EUROPEAN E-FUELS CONFERENCE



8th-9th November 2023
Düsseldorf, Germany

Accelerating Sustainable Mobility: Exploring E-Fuels in Europe

Key Topics

- E-Fuel Market – Overview of Recent Developments
- Innovations in The European E-Fuels Market
- Moving Towards Price-Competitive E-Fuels
- Policies and Regulations Driving the Energy Transition
- E-Fuels in Aviation
- E-Fuels in Maritime
- E-Fuels in Automotives
- Assessing the Available Types of Fuels
- Evaluating the Sustainability of E-Fuel Production
- Towards a Future of E-Fuels



With thanks to our sponsors

For commercial opportunities, please contact Hubert Sosnowski:

+48 61 646 7059 hubert@acieu.net



TOPSOE



Building on the success of our 2022 edition which brought over 150 senior level attendees to Hamburg, we are delighted to be back with ACI's European E-Fuels Conference on the 8th & 9th of November 2023 in Dusseldorf.

The 2023 edition of the conference will once again bring together key industry stakeholders from the renewables, fuels, energy and oil & gas industries: including car manufacturers, e-fuel producers, technology providers, consultants and policy advisors.

Senior-level speakers will present on technical aspects of the e-fuel market and present the latest challenges and opportunities that the industry brings. They will discuss requested topics by industry experts, touching on aspects



Agenda Committee

- **Monica Johannson**, Principal Energy & Fuel Analyst, **Volvo Cars**
- **Oskar Meijerink**, Business Development Manager, **SkyNRG**
- **David Bothe**, Director, **Frontier Economics**
- **Karl Hauptmeier**, CEO, **Norsk e-Fuel**
- **Joonas Laitila**, Senior Specialist, Business

Who Will Attend?

- E-fuel Producers
- Oil Refiners
- Process Technology Providers
- Electrolyser Producers
- Catalyst Suppliers
- Policy & Regulators
- Automotive, Marine & Aviation Industries
- Consultants
- Investors
- Chemical Companies

Host City of Dusseldorf:



Registration Is Simple

If you would like to register for this event or wish to find out more information, you can contact **Marcin Janecki** using any of the following methods:

Tel: +48 61 646 7047

Email: mjanecki@acieu.net

Conference Fees

Conference (Includes Documentation Packet) £1,895

Documentation Packet Only £495

Members and customers of all supporting organisations are entitled to a discount off their conference package.

Discounts are available for multiple/group bookings.

Opportunities to Meet Your Target Audience:

Showcase your technologies to the industry, with opportunities to demonstrate the capabilities of your latest products and services. Companies can gain direct access to our senior level audience and have an increased level of visibility and exposure through branding and networking at the conference. This will allow you to attract new business and forge lasting commercial relationships.

For information on available commercial opportunities, please contact:

Hubert Sosnowski

+48 61 646 7059 - hubert@acieu.net

Speaking Opportunities:

If you would like to be considered for a speaking opportunity at the event, with a 20-30 minute presentation, please submit an abstract to:

Ted Hughes

+44 20 3141 0208 - thughes@acieu.net

DAY 1

Wednesday 8th November 2023

08:00 **REGISTRATION & WELCOME COFFEE**

09:00 **CHAIRPERSON'S OPENING REMARKS**



Ralf Diemer
Managing Director
eFuel Alliance

09:15 **CONFERENCE PRESENTATION**
E-Fuel Market – Overview of Recent Developments

- Current status of e-fuels market
- Market predictions and technology outlook



David Bothe
Director
Frontier Economics

09:45 **SESSION ONE**
Innovations in The European E-Fuels Market

- Recent innovations and updates within the e-fuel industry
- Electrolysis techniques
- PtX – the use of conversion technologies to turn electricity into carbon-neutral synthetic fuels



Dietmar Huber
Vice President Business
Platform Power-to-X
Neste



Dr. Michael Haid
Chief Executive Officer
EDL Poerner

Separation and Purification Solutions for The E-Fuels Industry

- Sulzer innovative process solutions – from concept to guaranteed plant performance
- High purity Methanol distillation
- Energy efficient plant design



Maxime Olausson
Application and Process
Technology Engineer
Sulzer

10:55

CONFERENCE PRESENTATION

E-methanol - the route to competitive e-fuels at scale

- Scale up of e-methanol production from diverse CO₂ and H₂ sources
- E-methanol as a platform for e-fuel applications in marine, aviation, and automotive sectors
- Strategies for improving technical performance and reduce cost of production



Emeric Sarron
CTO
Carbon Recycling International

11:15

MORNING REFRESHMENTS

12:00

SESSION TWO

Moving Towards Price-Competitive E-

- Reducing the costs of production
- Working with changing renewable energy prices
- projects
- Discussing the cost of producing E-Fuels



Karl Hauptmeier
CEO
Norsk e-Fuel AS



Amy Hebert
CEO, Founder
Arcadia eFuels

13:05

CONFERENCE PRESENTATION

Demonstration of Efficient Fischer-Tropsch E-fuel Production Concept

- E-fuel is a 3-year project aiming for the development and demonstration of efficient paraffinic e-fuels production concept
- The efficiency of the concept has been improved by applying high temperature electrolysis and optimized heat integration
- The project demonstration applying 7 units in sea containers has just started. The demonstration includes e.g. the first ever built >100 kW SOE unit (Convion 250 kW SOE module with Elcogen stacks) in Finland and VTT mobile FT synthesis unit
- Neste company will upgrade the produced paraffinic hydrocarbons to e-fuels. The produced e-diesel will be tested in a AGCO Power diesel engine



Juha Lehtonen
Research Professor
VTT

13:25

CONFERENCE PRESENTATION

Presentation Title to be Confirmed

- Ammonia is a potential hydrogen carrier which offers advantages in containing no carbon molecules and it is a globally traded commodity today
- Ammonia cracking allows the conversion of ammonia back into hydrogen to facilitate the transportation of large quantities of clean hydrogen over long distances
- Johnson Matthey have nearly 100 years of ammonia cracking heritage and have developed catalysts and commercially available licensed processes to enable this ambition



Priyan Mistry
Business Development
Manager - Ammonia Cracking
Johnson Matthey

13:45

LUNCH

15:15

SESSION THREE

Policies and Regulations Driving the Energy Transition

- EU Regulation - an update on the regulatory situation in Europe and how this might impact e-fuels
- What might EU policies enable in comparison to the US Inflation Reduction Act movement?
- The hydrogen and gas directive from EU
- Predicting future legislation to ensure development in the industry



Jonathon Counsell
Group Head of
Sustainability
IAG

José Manuel Pérez
Rodríguez
H2 Regulation & Government
Affairs
EDP Renewables

16:20

CONFERENCE PRESENTATION

Enabling E-Fuel Production in The Port of Amsterdam

- Port of Amsterdam: ecosystem for e-fuels
- Overview of projects, mainly aviation and maritime
- Infrastructure investments in H2, CO2 and Power as key enablers
- Challenges



Joey van Elswijk
Commercial Manager
Renewable Fuels
Port of Amsterdam

16:40

CONFERENCE PRESENTATION

Move with Topsoe Power to X

- Topsoe History and intro
- Fuel types and Topsoe Technology decarbonize routes
- Ammonia expectations linked to MeOH - the competition for shipping fuels
- Why Topsoe Power -to X SOEC technology



Rob Stevens
Sector Lead Green Fuels •
Power-to-X
Topsoe

17:00

AFTERNOON REFRESHMENTS

17:45

SESSION FOUR

E-Fuels in Aviation

- Potential uses for E-Fuels in aviation
- Using E-Fuels to meet emissions targets
- The future of SAF



Oskar Meijerink
Business Development
Manager
SkyNRG



Arno Zimmermann
E-fuels for Clean Aviation
Spark e-Fuels

18:50

CLOSE OF DAY ONE

DAY 2

Thursday 9th November 2023

08:30 **REGISTRATION & WELCOME COFFEE**

09:00 **CHAIRPERSON'S OPENING REMARKS**



Ralf Diemer
Managing Director
eFuel Alliance

09:05 **SESSION FIVE**
E-Fuels in Maritime

- Green marine fuels
- Working with current combustion engines
- The decarbonisation of the shipping industry

Stefan Fahrholz
Manager Research &
Development
Decarbonisation
Carnival Maritime



Maria Strandesen
Director, Head of Future Fuels
Maersk

Felipe Ferrari
Technology Innovation
Renewable Fuels
GoodFuels

10:50 **MORNING REFRESHMENTS**

11:35 **CONFERENCE PRESENTATION**

E-Fuels in Automotives

- Working with current combustion engines
- E-Fuels for trucks
- How to integrate low or no emission fuels to combustion vehicles



Christian Schultze
Director Research &
Operations

12:50 **PANEL DISCUSSION**

Assessing the Available Types of Fuels

- Discussing the availability of E-Fuels
- Methanol fuel production and biomethane in Europe
- The availability and effectiveness of the use of hydrogen
- The production and use of ammonia



Mario Vesco
Venture Manager
Sustainable Aero Lab



Iris ten Have
Head of Science
Extantia



Uta Weiß
CEO
MEW



Christophe Verstreken
Engagement Manager
McKinsey & Company



Peter van Ees
Sector Banker (New)
Energies & Hydrogen
ABN AMRO Bank

13:35

CONFERENCE PRESENTATION

E-Fuels in Automotives

- Axens, IFPEN and PW-SMS group partnership to bring robust and reliable RWGS technology to the market
- Newly developed e-heater by PW-SMS for a fully electrified RWGS process
- Overview of Axens' integrated e-fuels offer for maximized SAF production

Ludivine Piezanowski
Lead Engineer- Product
management and business
development – Power to
liquid/hydrogen
Axens

Larissa Perotta
Technology Development
Manager – Renewables
Axens

13:55

LUNCH

15:25

CONFERENCE PRESENTATION

Evaluating the Sustainability of E-Fuel Production

- Well-to-wheel and LCAs of E-Fuels
- Where is the electricity used in production coming from?
- Using E-Fuels in current combustion
- E-Fuels' emissions
- How can e-fuels be made sustainable?
- Carbon sources have become a major challenge for e-fuels, since Direct Air Capturing doesn't deliver on its promises
- The sustainability of various production processes



Gunnar Holen
CEO
Nordic Electrofuel

16:10

CONFERENCE PRESENTATION

Towards a Future of E-Fuels

- Future perspectives of E-Fuels
- targets?
- Storing E-Fuels
- Moving towards the ban of the combustion engine



Minh Khoi Le
VP, Head of Global Hydrogen
Research
Rystad Energy

16:55

CHAIRPERSON'S CLOSING REMARKS



Ralf Diemer
Managing Director
eFuel Alliance

17:00

END OF CONFERENCE & AFTERNOON REFRESHMENTS