

INTERNATIONAL CONFERENCE
HYMOTEC

HYDROGEN Mobility Tech

Policy Framework, Market
Situation, Technology Enablers

March 19-20, 2024 in Munich



Main Topics:

- Hydrogen & Fuel Cell Market in Europe, US and China
- Running Hydrogen Projects for Commercial Vehicles, Cars, Airplanes, Railway, Busses and Ships – Best Practice
- Hydrogen Application and Technology Enablers
- Success & Scale Factors for Hydrogen Mobility
- New Business Models for Investors & Start-Ups

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Highlights:



Kurt-Christoph
von Knobelsdorff
NOW GmbH



Henning Uck
GP JOULE Hydrogen



Thomas Rudner
European Parliament



Michael Lohscheller
Independent
(former CEO, Nikola)



Birte Sönnichsen
Deutscher Wasserstoff
Verband



Dr. Stephan Herbst
Toyota Motor Europe



Dr. Benjamin Voigt
DB Energie



Benjamin Struss
Airbus Group



Dr. Christian Nissing
TEAL Mobility

A conference organised by:





Day 1, Tuesday – March 19, 2024

08:30 Reception and Check-In

09:00 Welcome and Impulse



Anne von Türckheim-Horch,
Director International Events,
SV Veranstaltungen GmbH



Matthias Brendel,
Managing Director,
PGUB Management Consultants GmbH

Market Situation in Europe, US and China

09:10 **Key-Note: Hydrogen & Fuel Cell Market in Europe**



Birte Sönnichsen,
Head of Strategy and Market Development,
Deutscher Wasserstoff- und Brennstoffzellenverband e.V

09:40 **Key-Note: Hydrogen – Is the US Winning the Hydrogen Race – How can Europe Compete?**



- Is the Inflation reduction act in the US the gamechanger for hydrogen?
- Where are the hydrogen used cases in Europe?

Michael Lohscheller, Independent (former CEO of Nikola)

10:10 **Hydrogen & Fuel Cell Market in China**



- Current situation of hydrogen in China
- Short, medium and longterm forecast for hydrogen in China
- The path to e fuels in China

Jochen Siebert, Managing Director, JSC Automotive

10:40 Q&A with Speakers

10:50 **Coffee Break and Networking**

11:20 **How to Minimize Safety Risks in Mobile Hydrogen Applications**



- Typical safety risks in mobile hydrogen systems
- Missing state-of-the-art
- Risk mitigation strategies & examples

Dr. Thomas Gallinger,
Head of Hydrogen Projects, TÜV SÜD Industrie Service GmbH

11:45 **The Promise & The Risks of Hydrogen Electrolysis Projects**



- Where are the projects? Is Hydrogen just a hype after all?
- How can the electrolyzer manufacturer help to make projects come true?

Stephan Ladd,
Team Lead Business Development, H-Tec Systems GmbH

12:10 Q&A with Speakers

12:20 **Lunch and Networking**

13:30 **Key-Note: EU TRAN goes for Hydrogen Mobility: Upcoming Milestones & Challenges**



- Hydrogen as an upcoming alternative fuel in the mobility sector
- What are the next steps?
- Transport modes regarding H2-mobility

Thomas Rudner, MdEP, European Parliament

14:00 **Key-Note: Usage of Domestic Green Hydrogen**



Henning Uck,
Manager Strategic Projects,
GP JOULE Hydrogen GmbH

14:30 **Hydrogen Infrastructure for a Secure Hydrogen Supply**



- Current market situation of hydrogen infrastructures for production, transport and storage
- Challenges for market ramp-up of green hydrogen
- Project examples for large-scale hydrogen production and storage in the North-West of Germany

Dr. Geert Tjarks,
Head of Business Development Hydrogen, EWE AG

14:55 **Levelized Costs of Green Hydrogen in a Mobility Context**



- Overview production costs of green hydrogen in a European context
- Levelized costs of green hydrogen at the offtaker location
- Instruments to lower costs including funding mechanisms

Patrick Wienert,
Head-of-Hydrogen Accenture Industry X, Accenture

15:20 Q&A with Speakers

15:30 **Coffee Break and Networking**

16:00 **Fueling the Future: Hydrogen's Impact on Mobility Ecosystem**



- Ecosystem view on hydrogen in the mobility sector
- Challenges and opportunities for hydrogen in the mobility ecosystem
- Westfalen AG & RWEs joint approach to hydrogen in the mobility ecosystem

Björn Selzer,
Senior Project Manager Hydrogen, RWE Generation SE
Matthias Dieke,
Manager Hydrogen Mobility, Westfalen AG

16:25 **H2 Market: Intralogistics & Stationary Power Systems**



- Advantages of H2 in Intralogistics
- The role of digitization in H2 energy systems
- The upcoming role of stationary fuel-cell systems in Europe

Steffen Bäuerle,
CEO/Co-Founder, GLOBE Fuel Cell Systems GmbH

16:50 **Developing a European Fueling Infrastructure for H2 Trucks**



- A network of H2 stations for trucks along major european transport corridors

Dr. Christian Nissing,
CCO, TEAL Mobility

17:15 **World Café on: „Success- and Scale Factors for Hydrogen“**



Opening by the Chairman:
Matthias Brendel,
Managing Director, PGUB Management Consultants



Dr. Rittmar von Helmolt,
Senior Advisor, PGUB Management Consultants



Jürgen Jablonski,
Former Head of Fuel Cell Development,
AUDI

18:15 **End of the First Conference Day**

18:45 **Evening Event in the „Panorama Lounge“ on the 26th Floor**



Day 2, Wednesday – March 20, 2024

08:25

Opening by the Chairman

Matthias Brendel,
Managing Director,
PGUB Management Consultants GmbH



08:30

Key-Note: The Role of Hydrogen in the Future Energy System

Dr. Kurt-Christoph von Knobelsdorff,
CEO, NOW GmbH



Technology Enablers – Refueling & Storage

09:00

Fuel Cells – Today and Tomorrow: Challenges and Markets

- Requirements for fuel cell stacks
- Potential solutions & strategies for different use cases
- EKPO's way to industrialize fuel cell stacks

Dr. Stefan Dwenger,
Director Product Engineering,
EKPO Fuel Cell Technologies GmbH



09:25

The Role of Hydrogen in Transport

Dr. Stephan Herbst,
Technical Head Hydrogen,
Toyota Motor Europe



09:50

Q&A with Speakers

10:00

Coffee Break & Networking

10:30

Hydrogen Fuel Cell Light Commercial Vehicles

Dr. Lars Peter Thiesen,
Manager, Hydrogen & Fuel Cell Deployment Strategy,
Stellantis



10:50

Hydrogen Fuel Cell Buses

- A cornerstone for public transport and modern mobility

Philipp Glonner,
CEO & Co-Founder,
ARTHUR BUS GmbH



11:10

ENGINIUS – Trucks for a Carbon Neutral Transport

Paul J. Bruns,
Business Development Manager,
ENGINIUS



11:30

Hydrogen Powertrain Solutions for HD-Trucking

- Technical benefits and opportunities for both, H2-ICEs and H2-FCEs

Dr. Andreas Broda,
Head of Fuel Based Propulsion Systems,
MAN Truck & Bus SE



11:50

Daimler Truck „GenH2 Truck“

- Technical concepts, systems and specifications
- sLH2 fueling procedure, fueling station, codes and standards
- Test results, experiences, validation vs. simulation

Roland Dold,
Senior Manager,
Daimler Truck



12:10

Fuel Cell System Engineering Methodologies Augmented by Digital Twins

- R&D platform to enable informed trade-offs by factoring in degradation

Gernot Hacker, Department Manager H2 & Fuelcell Testing Solutions, AVL List GmbH



12:30

Panel Discussion:

Roadblocks and Enabler for the Hydrogen Market

Chairman:



Matthias Brendel

Panelists:



1 Andreas Broda, Head of Fuel Based Propulsion Systems, MAN Truck & Bus SE



2 Roland Dold, Senior Manager, Daimler Truck



3 Dr. Stephan Herbst, Technical Head Hydrogen, Toyota Motor Europe



4 Helmut Iancu, Global Business Segment Manager Fuel Cell/H2, AVL List GmbH



5 Dr. Lars-Peter Thiesen, Manager, Hydrogen & Fuel Cell Deployment Strategy, Stellantis

13:10

Lunch & Networking

14:15

Key-Note: Hydrogen in Aerospace

- Why Hydrogen in Aerospace
- Insight into pivotal hydrogen projects at Airbus

Benjamin Struss,
Head of X-Labs Airbus Technology & Engineering,
Airbus Group SE



14:45

Hydrogen in Shipping – Perspective of a Cruise Ship Operator

- Challenges and main levers for achieving GHG neutral fleet operation by 2050
- Role of hydrogen and innovative energy systems for ship propulsion

Malte Zeretzke,
Head of R&D Carnival, Maritime GmbH



15:10

Hydrogen Infrastructure for the Railway Sector

- Practice report H2GoesRail
- Outlook and other applications for Hydrogen at DB

Dr. Benjamin Voigt,
Product Manager Hydrogen, DB Energie GmbH



15:35

Project „Hy Fleet“ – Best Practice from the FlixBus and Freudenberg Research Project

Nora Kunz,
Project Manager Fleet Strategy, Flix SE



Dr. Manfred Stefener,
Managing Director,
Freudenberg e-Power Systems GmbH



16:00

Q&A with Speakers

16:10

Summary by Chairman Matthias Brendel

16:15

End of the Conference

Please register online
www.sv-veranstaltungen.de/hydrogen



Members of the Advisory Board



Matthias Brendel
PGUB Management
Consultants



Dr. Rittmar von Helmolt
PGUB Management
Consultants



Silvia Imran
TÜV SÜD



Jürgen Jablonski
former AUDI



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Airbus



Carsten Retzke
TotalEnergies



Dr. Manfred Stefener
Freudenberg



Dr. Lars Peter Thiesen
Stellantis



Patrick Wienert
Accenture



Matthias Zentgraf
CATL

International Conference

HYDROGEN MOBILITY TECH



March 19 - 20, 2024

Event Location

Munich, SZ Main Tower

Hultschiner Straße 8

81677 Munich, Germany

Participation fee + vat (19%)

Regular fee

€ 1,795

Free participation in the evening event on March 19, 2024

Ordering of digital conference documentation for EUR 310 + VAT

(available from March 21, 2024)

Accommodation

Hyperion Hotel München

Truderingerstr. 13

81677 Munich

Phone +49 (0) 89 / 909017200

<https://short.h-hotels.com/ak8125163>

Single room: € 135 incl. breakfast and VAT

Room contingent: Please make your own room reservation directly in the hotel by using the code word "SV Veranstaltungen". We have a room contingent with a preferential rate reserved until **February 18, 2024**. Reservations afterwards can only be made according to availability.

Services Included in the Participation Fee

- Participation in the conference
- Conference documentation
- Lunch on both conference days
- Get-together on April 19, 2024
- Refreshments during breaks
- Opportunity to visit the accompanying trade exhibition

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