



HYDROGEN
DIALOGUE ²⁰/₂₂
SUMMIT & EXPO

LET'S MAKE THE FUTURE HAPPEN

Conference Program

September 21 – 22, 2022
Exhibition Centre Nuremberg & online



Bavarian Ministry of Economic Affairs,
Regional Development and Energy

H2.B ZENTRUM
WASSERSTOFF.
BAYERN

NÜRNBERG  **MESSE**

Welcome to HYDROGEN DIALOGUE 2022

Ladies and Gentlemen,

A very hearty welcome to HYDROGEN DIALOGUE 2022 – Summit & Expo!

Climate change – the energy supply – the transformation of mobility: hydrogen may be the answer to the three great challenges of our times. This is where HYDROGEN DIALOGUE has the important task of bringing leaders in business, science and government together. And following two digital editions that were compelled by the pandemic, this year for the first time we're also meeting in person here in Nuremberg.

From the very start, HYDROGEN DIALOGUE has benefitted from an established network of organizations in hydrogen research and the hydrogen industry in Bavaria – which makes Nuremberg an ideal site for the event. On top of that, HYDROGEN DIALOGUE 2022 is enjoying a substantial surge in internationality. This time we have presenters and delegations from all over the world, including Australia, Brazil, Chile, Colombia, Scotland and the Netherlands.



Prof. Dr Roland Fleck, CEO, NürnbergMesse Group

But if successful research is also going to give rise to sustainable business models, private-sector investment has got to become involved. And that's the focus of two side events that will be accompanying us for the first time, VDE FINANCIAL DIALOGUE HYDROGEN 2022 and EUROPEAN HYDROGEN TRANSPORT DIALOGUE.

We owe this year's diverse program of eminent presenters to a strong team at NürnbergMesse, and to our conceptual partner, Center Hydrogen.Bavaria. And I want to include that Center, together with Professors Grimm and Wasserscheid, in our thanks.

NürnbergMesse would also like to warmly thank Minister Hubert Aiwanger, whose Bavarian Ministry of Economic Affairs, Regional Development and Energy is once again the patron of this third edition of HYDROGEN DIALOGUE.

And now I hope all of you who are attending will enjoy a very successful event.

A handwritten signature in blue ink, likely belonging to Prof. Dr. Roland Fleck. The signature is stylized and fluid, with a large initial 'R' and 'F'.



© Stadt Nürnberg



Scan the QR Code
for a warm welcome
from Marcus König,
Lord Mayor of the
City of Nuremberg



Dr Fabian Pfaffenberger, Managing Director,
Zentrum Wasserstoff.Bayern (H2.B)

A warm welcome!

This year's HYDROGEN DIALOGUE is taking place among major upheavals. Russia's war of aggression against Ukraine has shown us how crucial it is to have a diversified, resilient energy supply. Meantime, we're also coming more and more often to see and experience the direct and indirect consequences of climate change ourselves.

So it's more urgent than ever for us to get our entire energy system onto a sustainable basis. The war in Ukraine and climate change are causing big changes, and not just in Germany. They face us all with the special challenge of managing both the energy crisis and the energy transformation at the same time.

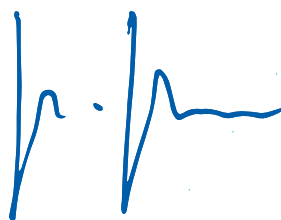
But as we know, every crisis is also an opportunity. Hydrogen is going to play an important part in a climate-neutral energy system – as an energy vector and storage medium, as a raw material and fuel, and as a component in the sustainable transformation of the economy. Our innovative strength, our know-how and our technologies give us what we need to overcome the challenges ahead.

Zentrum Wasserstoff.Bayern (H2.B) – Center Hydrogen.Bavaria – is the entity that assists with strategy and coordination for hydrogen in this state. It supports the industry's many innovative companies and research institutions by providing information, advice and national and international networking. The Bavarian Hydrogen Alliance is a partnership of more than 280 Bavarian-based players across the entire hydrogen value chain – the biggest state-sponsored hydrogen cluster in Germany.

But the job will take more than strong innovation and strong networks. It calls for a pragmatic mindset that goes beyond idealism – accompanied by an unshakeable determination and courage to help shape the future. Not to mention a close interplay among industries, research disciplines, political parties and countries.

Working with our strong partner NürnbergMesse, we've established that kind of platform in Bavaria: HYDROGEN DIALOGUE. True to the event's slogan, "From the Hydrogen Economy. For the Hydrogen Economy", national and international experts and decision-makers are gathering in Nuremberg alongside a great many high-tech companies.

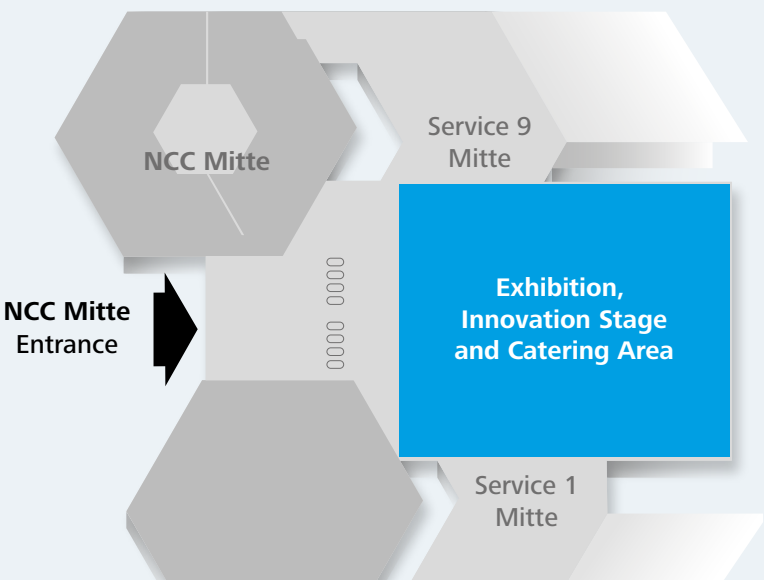
Let's get talking together in depth about hydrogen – at HYDROGEN DIALOGUE in Nuremberg.



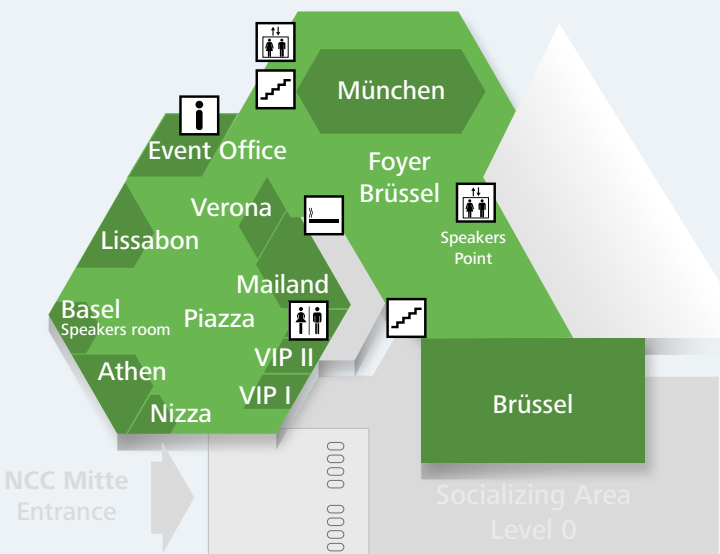
Event Overview



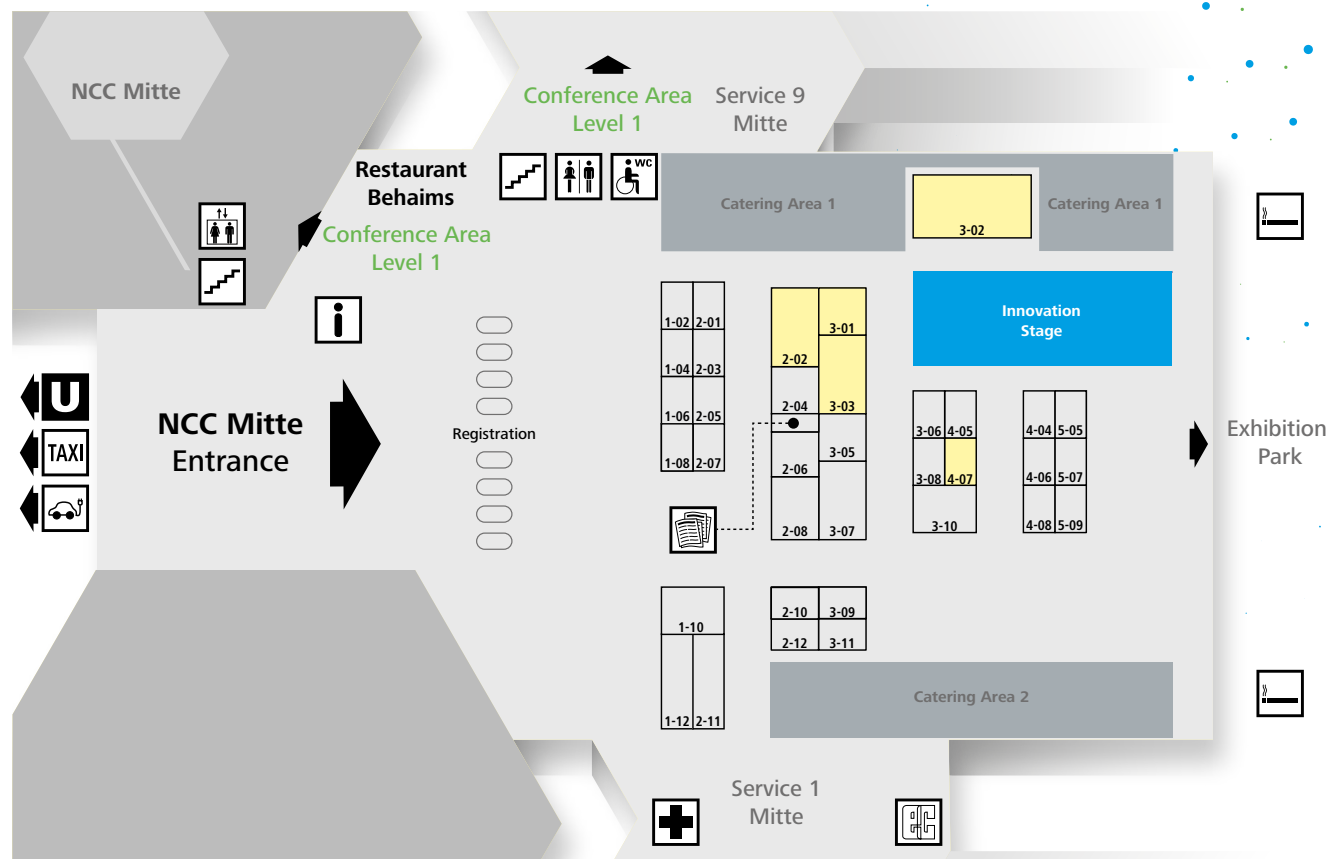
SOCIALIZING AREA: LEVEL 0



CONFERENCE AREA: LEVEL 1



SOCIALIZING AREA: LEVEL 0 IN DETAIL



Exhibition Area	Stand
EXCLUSIVE EXHIBITORS	
DVGW Deutscher Verein des Gas- und Wasserfaches e.V.	2-02
en2x – Wirtschaftsverband Fuels und Energie e.V.	4-07
Hydrogenious LOHC Technologies	3-01
Robert Bosch GmbH	3-03
VDE Renewables GmbH	3-02
PREMIUM EXHIBITORS	
FAURECIA	1-02
green benefit AG	3-06
H-TEC SYSTEMS GmbH	3-07
SFC Energy AG	2-08
Siemens Mobility GmbH	2-10
Tyczka Hydrogen GmbH	3-10

Exhibition Area	Stand
STANDARD EXHIBITORS	
A. Hock GmbH	1-08
Bayern Innovativ GmbH	5-07
BIHK e. V. Industrie- und Handelskammern in Bayern	3-09
Dräger Safety AG & Co. KGaA	4-05
Wasserstoff-Metropolregion Nürnberg hy+	3-08
Hungarian Hydrogen Technology Association	2-06
HYDROGEN DIALOGUE – Latin America	1-04
INRAG AG	2-03
JETRO – Japan External Trade Organization	2-05
MAN Truck & Bus SE	1-12
MAX STREICHER GmbH & Co. KG	2-01
The Netherlands	2-12
ProChile	only digital

Exhibition Area	Stand
QRC Personalberatung International GmbH, Mitglied im DWV	2-04
Schaeffler	2-07
Stöhr ARMATUREN	3-11
Thüga AG	only digital
WEH	1-10
Zentrum Wasserstoff.Bayern (H2.B)	1-06
Grünbeck Wasseraufbereitung GmbH	3-05
START-UPS	
ARTHUR	5-09
Green H2 GmbH	4-04
HiTES Holding GmbH / HiTES AUS BIOMASSE	5-05
ostermaier H ₂ hydrogen Solutions GmbH	4-08
WätaS Fuel Cell Saxony	4-06
Digital Lounge	2-11

Program Overview

SEPTEMBER 21, 2022

Hall Brüssel

10:00 a.m. – 5:45 p.m. **Hybrid Stage I:**
Keynotes, Discussions and Talks

Topics: Security of Supply Through Hydrogen – The Key to the Energy System of the Future, Hydrogen Ramp-up in Germany, Centralized and Decentralized Production, Infrastructure and Storage

Hall München

10:00 a.m. – 5:45 p.m. **Hybrid Stage II:**
Keynotes, Discussions and Talks

Topics: Security of Supply Through Hydrogen – The Key to the Energy System of the Future, International Markets for H₂

Piazza, Room Mailand, Room Athen, Room Lissabon

EUROPEAN HYDROGEN TRANSPORT DIALOGUE

10:00 – 11:00 a.m. **Welcome**

11:00 a.m. – 12:00 p.m. **Pitch Sessions I, II, III**

1:30 – 2:30 p.m. **Pitch Sessions IV, V, VI**

Innovation Stage*

12:30 – 2:30 p.m. **Program DVGW**

3:30 – 4:30 p.m. **Program hy+
Wasserstoff-Metropolregion Nürnberg**

4:30 – 5:30 p.m. **Program now GmbH**

Restaurant Behaims

12:00 – 1:30 p.m. **Executive Lunch (Invitation only)**

Socializing Area

5:45 – 9:00 p.m. **Get-together**

SEPTEMBER 22, 2022



Hall Brüssel

10:00 a.m. – 4:00 p.m. **Hybrid Stage I:**
Keynotes, Discussions and Talks

Topics: Import and Logistics, Innovation and Financing, Hydrogen for Energy-Intensive Industries

Hall München

10:00 a.m. – 4:00 p.m. **Hybrid Stage II:**
Keynotes, Discussions and Talks

Topics: Mobility, Heat Market, H₂ Value Added for the Regions

Innovation Stage*

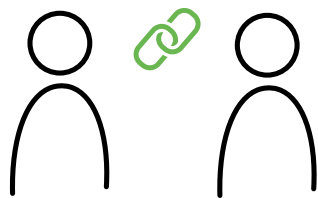
10:00 a.m. – 3:00 p.m. **VDE FINANCIAL DIALOGUE
HYDROGEN 2022**

Hall Brüssel

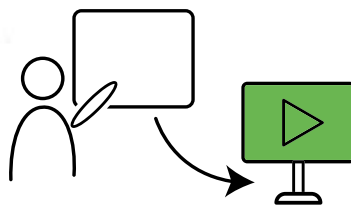
4:00 – 6:00 p.m. **Plenary Meeting of the Hydrogen
Alliance Bavaria (Invitation only)**

* The program on the Innovation Stage is only available in German.

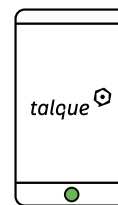
Better networking on the platform
of HYDROGEN DIALOGUE



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- live and on demand



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Save the Date

November 22 – 23, 2023

Exhibition Centre Nuremberg & online



Bavarian Ministry of Economic Affairs,
Regional Development and Energy



Program

SEPTEMBER 21, 2022

Hall Brüssel

10:00 a.m. – 12:00 p.m. **Session Topic: Security of Supply Through Hydrogen – The Key to the Energy System of the Future**

Jürgen Pfeiffer

10:00 – 10:15 a.m. **Official Opening**

Prof. Dr. Roland Fleck, CEO NürnbergMesse Group
Dr. Michael Fraas, Economics and Science Officer of the City of Nuremberg
Prof. Dr. Veronika Grimm, Board of Directors, Zentrum Wasserstoff.Bayern (H2.B)

10:15 – 10:30 a.m. **Security of Supply Through Diversification – Effects of the Geopolitical Situation on the Importance of Hydrogen as an Energy Source in Bavaria**

Hubert Aiwanger, Bavarian State Minister for Economic Affairs, Regional Development and Energy

10:30 – 10:50 a.m. **Green Hydrogen as an Economic Opportunity for Partner Countries**

Philip Green, Australian Ambassador to Germany, Switzerland and Liechtenstein
Irene Vélez, Minister of Mines and Energy of Colombia

10:50 – 11:30 a.m. **Security of Supply Through Diversification – Effects of the Geopolitical Situation on the Importance of Hydrogen as an Energy Source**

Dr. Carsten Rolle, Executive Director, Weltenergierat Deutschland
Dr. André Wolf, Head of Department Technology, Infrastructure and Sustainable Development, Centre for European Policy

11:30 a.m. – 12:00 p.m. **Are There Enough Pipes? Hydrogen Infrastructure in Europe**

Piotr Kus, Director General, ENTSOG
Prof. Dr. Gerald Linke, CEO, DVGW e.V.

12:00 – 1:30 p.m. **LUNCH BREAK**

MAIN STAGES WITH KEYNOTES, LECTURES AND

Hall Brüssel

1:30 – 3:20 p.m. **Session Topic: Hydrogen Ramp-up in Germany**
Jürgen Pfeiffer

1:30 – 2:20 p.m. **Transition Scenarios After the Coal and Nuclear Phase-Out and the Importance of Hydrogen as “Coal of the Future” – Will We Manage to Achieve the Climate Targets in 2050?**

Prof. Dr. Christopher Hebling, Division Manager Hydrogen Technologies, Fraunhofer ISE
Dr. Steffen Kahlert, Senior Project Development Manager Hydrogen, E.ON SE
Dr. Holger Kreetz, COO Asset Management, Uniper SE
Sönke Tangermann, CEO, Green Planet Energy

2:20 – 3:20 p.m. **Hydrogen – Hype or Driver for a Sustainable Future?**

Prof. Dr. Veronika Grimm, Board of Directors, Zentrum Wasserstoff.Bayern (H2.B)
Ralf Großhauser, CEO, Zeppelin Power Systems GmbH
Dr. Thomas Hübener, Member of the Board of Directors, Open Grid Europe GmbH
Dr. Wilfried Kölscheid, Senior Vice President – Solid Oxide Fuel Cell (SOFC), Robert Bosch GmbH
Prof. Dr. Thomas Thiemann, Senior Vice President for Energy Transition Technologies, Siemens Energy Global GmbH & Co. KG

3:20 – 3:30 p.m. **COFFEE BREAK**

3:30 – 4:45 p.m. **Session Topic: Centralized & Decentralized Generation**
Jürgen Pfeiffer

3:30 – 3:50 p.m. **Green Hydrogen on Multi Megawatt Scale**

Alexander Detke, Sales Manager, H-TEC Systems

3:50 – 4:25 p.m. **Gigawatt Scaling – H₂ Generation and Production in 2025**

Dr. Stefan Gossens, Vice President Hydrogen Strategy, Schaeffler Technologies AG & Co. KG
Holger Lösch, Deputy Managing Director, Bundesverband der Deutschen Industrie e.V.
Dr. Sylvia Schattauer, Acting Director of Institute, Fraunhofer-Institut für Windenergiesysteme IWES

4:25 – 4:45 p.m. **Rethinking Alkaline Electrolysis**

Dr. Jan Gustav Grolig, COO, Stargate Hydrogen Solutions

4:45 – 5:05 p.m. **Decentralized Hydrogen Economy in the District**

Andreas Kuhlmann, Chairman of the Management Board, Deutsche Energie-Agentur GmbH (dena)

5:05 – 5:45 p.m. **Session Topic: Infrastructure & Storage**

Jürgen Pfeiffer

5:05 – 5:45 p.m. **H₂ Infrastructure: The Path of Hydrogen to the Customer**

Bob Busser, Managing Director, HyDevCo BV
Michael Dammann, CEO, Gasnetz Hamburg GmbH
Sybille Riepe, Communication Manager, H2 Mobility Deutschland GmbH & Co. KG

Deutsch English

All German language lectures will be simultaneously translated into English.

D PANEL DISCUSSIONS

Hall München

1:30 – 3:40 p.m. **Session Topic: International Markets for H₂**
Carina Bastuck

1:30 – 1:50 p.m. **Status Quo of the Regional H₂ Strategy**
Dominique Deschênes, Associate Deputy Minister –
Innovation and Energy Transition,
Québec Ministry of Energy and Natural Resources

1:50 – 2:10 p.m. **Strategic Partnerships for Hydrogen Export:
Energy Imports to Germany**
Ivan McKee, Scottish Government Minister for Business,
Trade, Tourism and Enterprise, Scottish Government

2:10 – 2:30 p.m. **Role of Hydrogen Within Colombia's Energy
Transition**
Irene Vélez, Minister of Mines and Energy, Colombia

2:30 – 3:10 p.m. **Hydrogen Hub for Production and Export**
Katherine Orozco, Team Leader Hydrogen, Ecopetrol
Juan Ricardo Ortega, President, Grupo Energía de Bogotá
César Augusto Ramírez Rojas, Member of the Governing Board,
ISA Group
Prof. Dr. Peter Wasserscheid, Chair for Chemical Reaction
Technology, Friedrich-Alexander-Universität Erlangen

3:10 – 3:40 p.m. **Brazil – How to Become a Red Dot
in the Hydrogen Map**
Dr. Claudia Bärmann Bernard, Legal Officer at Câmara
de Comércio e Indústria Brasil, Alemanha and Representative
of the State of Bavaria in Brazil
Constantino Frate, Green Hydrogen Supply Chain,
Energy Transition and Public Policies Development Coordinator
in Ceará State Government
Martin von Simson, Managing Partner, Giua Marítimo
Renato Arruda Vaz de Oliveira, Policy Cooperation Coordinator,
Federal Agency for the Promotion of Investments in the Northeast
of Brazil

3:40 – 3:55 p.m. **COFFEE BREAK**

3:55 – 5:45 p.m. **Session Topic: International Markets for H₂**
Carina Bastuck

3:55 – 4:15 p.m. **Argentina's Roadmap Towards a National
Hydrogen Strategy 2030**
Fernando Brun, responsible for RR.II,
Secretaría de Asuntos Estratégicos

4:15 – 4:35 p.m. **Chile: Green Energy Provider in South America**
Magdalena Atria, Ambassador of the Republic of Chile

4:35 – 4:50 p.m. **Progress in the implementation
of Chile's green hydrogen agenda**
Chilean Ministry of Energy

4:50 – 5:05 p.m. **With Wind to the Hydrogen Ramp-up:
Chile's Project HIF**
Thorsten Herdan, CEO, HIF Global

5:05 – 5:25 p.m. **Energy Around the Globe – Australia's
Long-term Supply Contracts for Green Hydrogen**
Sara Edmonson, Regional Lead Europe & UK,
Fortescue Future Industries Pty Ltd

5:25 – 5:45 p.m. **Focus Japan – H₂ Roadmap: Working Towards
a Sustainable, Decarbonized Society**
Shahrad Adjili, Area Sales Manager,
Kawasaki Gas Turbine Europe GmbH

Until 6:15 p.m. **BREAK**



PROGRAM GET-TOGETHER

Innovation Stage

6:15 – 6:35 p.m. **Strategies and Instruments for a
Long-term System Transformation
(German Only)**
Christof Timpe, Leitung Bereich Energie & Klimaschutz,
Öko-Institut e.V.

From 6:35 p.m. **Elevator Pitches of the Top 5 Projects
of the EUROPEAN HYDROGEN
TRANSPORT DIALOGUE**



Program

SEPTEMBER 22, 2022

Hall Brüssel

10:00 – 11:45 a.m. **Session Topic: Import & Logistics**

Jürgen Pfeiffer

10:00 – 10:40 a.m. **Import Strategies for Germany**

Matthias Schimmel, Managing Consultant,
Energy, Sustainability and Infrastructure,
Guidehouse Germany GmbH

Dr. Markus Schöffel, Head of Government and
Regulatory Affairs, Tree Energy Solutions GmbH
Dr. Kirsten Westphal, Executive Director,
H2Global Stiftung

Prof. Dr. Martin Wietschel, Head of the Competence
Center Energy Technology and Energy Systems,
Fraunhofer ISI

10:40 – 11:00 a.m. **Building Global Hydrogen Value Chains
With LOHC**

Maurice Delattre, Area Manager Germany
and Central Europe, Port of Amsterdam

Dr. Andreas Lehmann, Head of Strategy &
Implementation, Hydrogenious LOHC Technologies

11:00 – 11:45 a.m. **Ports: Interface for Import, Export,
Storage and Distribution of Hydrogen**

Juan Carlos Acosta, Manager Contecar,
Port of Cartagena Group

Erik Bertholet, Business Manager Offshore Wind &
Logistics, Port of Eemshaven / Groningen Seaports

Ingo Fehrs, Strategy and External Affairs,
Head of Sustainability and Environmental Affairs,
Hamburg Port Authority AöR

Alexander Garbar, Head of Corporate Development
and Strategy, Duisburger Hafen AG

Joachim Zimmermann, CEO, bayernhafen
N.N., Port of Rotterdam

11:45 a.m. – 12:00 p.m. COFFEE BREAK

MAIN STAGES WITH KEYNOTES, LECTURES AND

Hall Brüssel

12:00 – 1:40 p.m. **Session Topic: Innovation & Financing**

Jürgen Pfeiffer

12:00 – 12:30 p.m. **Innovations for the Global Hydrogen Economy**

Jorgo Chatzimarkakis, CEO, Hydrogen Europe

Dr. Stefan Kaufmann, Consultant Hydrogen, thyssenkrupp AG

12:30 – 12:50 p.m. **Hydrogen Having a Key Role in the Energy
Transition?! Which Companies Can Take on
this Role? Assessment of a Global Investor**

Manfred Wiegel, CEO, green benefit AG

12:50 – 1:40 p.m. **Financial Support and Subsidies
for a Global Hydrogen Economy**

Dr. Dirk Bessau, Head of Energy and Climate Division,
Projekträger Jülich, Forschungszentrum Jülich GmbH

Martin Gustavo Ibarra Pardo, CEO, Araújo Ibarra
Uwe Weichenhain, Partner, Roland Berger GmbH

1:40 – 2:30 p.m. **LUNCH BREAK**

2:30 – 3:50 p.m. **Session Topic:
Hydrogen for energy intensive industries**

Jürgen Pfeiffer

2:30 – 2:50 p.m. **Hydrogen Use in the Thermoprocessing Industry**

Dr. Anne Giese, Head of Department for Industrial and Combustion
Technology, Gas- und Wärme-Institut Essen e.V.

2:50 – 3:10 p.m. **Paper Industry: Hydrogen as a Building Block
in the Transformation to Carbon Dioxide Free**

Thorsten Becherer, Managing Director and Site Manager, Essity GmbH

3:10 – 3:30 p.m. **The Role of CO₂ Capture in the Rohrdorf Cement
Plant in a Carbon-Circular-Economy**

Dr. Philipp Stadler, Process Engineer, Rohrdorfer Zement

3:30 – 3:50 p.m. **Innovation and Bankability as a Prerequisite
for Sustainable Business Cases in the
Hydrogen Economy**

Josef Glasl, CEO, URKERN Gesellschaft für Urbanes GmbH

Burkhard Holder, CEO, VDE Renewables GmbH

3:50 p.m. **End of HYDROGEN DIALOGUE 2022**



Deutsch English

All German language lectures will be simultaneously translated into English.

PANEL DISCUSSIONS

Hall München

10:00 – 11:40 a.m.

Session Topic: Application mobility

Carina Bastuck

10:00 – 10:20 a.m.

Large-scale Production of Fuel Cell Stacks for CO₂-neutral Mobility

Lars Johansson, COO, cellcentric GmbH & Co. KG

10:20 – 11:00 a.m.

The Role of Hydrogen in the Mobility Sector

Murat Aydemir, General Manager Hydrogen Storage Systems, Faurecia Clean Mobility (FORVIA Group)

Josef Paul, CEO, Josef Paul GmbH & Co. KG

Frank Sreball, CEO, Hyundai Hydrogen Mobility Germany GmbH

11:00 – 11:20 a.m.

Green Transformation – With Hydrogen Trains on the Rails

Nina Guckes, Platform Manager Hydrogen Trains, Siemens Mobility GmbH

11:20 – 11:40 a.m.

Hydrogen Fuel Cells – Already a Sustainable Energy Supply Today

Björn Ledergerber, Senior Vice President Hydrogen & Corporate Development, SFC Energy AG

11:40 a.m. – 12:00 p.m. **COFFEE BREAK**

12:00 – 1:30 p.m.

Session Topic: Application heat market

Carina Bastuck

12:00 – 12:20 p.m.

Hydrogen Potential in the Heat Market

Dr. David Bothe, Director, Frontier Economics Ltd.

12:20 – 12:40 p.m.

Vienna Hydrogen Story: Lighthouse Projects from Production to the End User

Michaela Leonhardt, Leiterin Team Wasserstoff, Wien Energie GmbH

12:40 – 12:55 p.m.

H₂Direkt: 100% Hydrogen in Future Gas Grids to the End Customer

Michael Schneider, CEO, Energienetze Bayern GmbH & Co. KG

12:55 – 1:30 p.m.

Hydrogen as a Component of the Heat Transition

Jürgen Haindl, First Mayor, Markt Hohenwart

Eva Hennig, Head of Brussels Office, Thüga AG

Alexander Schuh, Head of Association Management, Head of Hydrogen Projects, Vaillant Deutschland GmbH & CO KG

1:30 – 2:30 p.m.

LUNCH BREAK



Hall München

2:30 – 3:50 p.m.

Session Topic: H₂ Value for the Region

Carina Bastuck

2:30 – 2:50 p.m.

Green Hydrogen for Bavaria and Beyond

Dr. Christoph Stiller, Head of Business Development, Tycska Hydrogen GmbH

2:50 – 3:30 p.m.

Refineries: H₂ as a Driver of CO₂-free Technologies

Andreas Maier, Representative South, en2x Wirtschaftsverband Fuels und Energie e.V.

Ralf Seid, CEO, Gunvor Raffinerie Ingolstadt GmbH

Dr. Alexander Struck, CEO, Bayernöl Raffineriegesellschaft mbH

3:30 – 3:50 p.m.

RHYME Bavaria: From Green Hydrogen to Renewable Methanol

Dr. Peter Gigler, Head of Corporate Sustainability, Wacker Chemie AG

3:50 p.m.

End of HYDROGEN DIALOGUE 2022

Status of program: September 05, 2022. Subject to change.





EUROPEAN HYDROGEN TRANSPORT DIALOGUE

The European Hydrogen Financing Forum and the HYDROGEN DIALOGUE – Summit & Expo have joined forces to promote the financing of innovative ideas and projects in the field of hydrogen transport. Here, investors from all over Europe meet the most innovative and promising European ventures.

The EUROPEAN HYDROGEN TRANSPORT DIALOGUE is one of the stops of the European Hydrogen Financing Forum's pan-European road show and is embedded in the HYDROGEN DIALOGUE, the meeting place for the hydrogen economy along the entire value chain.

TOPICS

- Transport & Mobility
- Hydrogen Fuelling Solutions
- Hydrogen Commercial Vehicle Solutions
- Hydrogen Logistic Hub Solutions
- Hydrogen Trains, Ships and Aircraft

SEPTEMBER 21, 2022

Room Mailand

10:00 – 11:00 a.m.	Welcome to the Investors' and Ventures' & Latin America Short Presentations
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Room

Mailand

Lissabon

Athen

11:00 a.m. – 12:00 p.m.	Pitch Session 1	Pitch Session 2	Pitch Session 3
1:30 – 2:30 p.m.	Pitch Session 4	Pitch Session 5	Pitch Session 6

Innovation Stage

From 6:20 p.m.	Elevator Pitches of the Top 5 Projects as Part of the Program of the Get-together
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PARTNERS



Bavarian Ministry of Economic Affairs,
Regional Development and Energy





JOIN THE COMMUNITY OF GREEN HYDROGEN INDUSTRY LEADERS IN BRAZIL

HYDROGEN DIALOGUE LATIN AMERICA - BRAZIL EDITION

November 9th and 10th, 2022

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MAIN TOPICS OF THE EVENT:



Everything you need to know about Brazilian green hydrogen production, transportation, storage, and importing.



Get to know a map of players in this sector and market in Brazil and understand with whom you need to connect to carry out long-term partnerships.



The Brazilian government views and projects for the construction of a green hydrogen sector in Brazil - Legal, institutional and regulatory frameworks.



Financing and assurance for long-term investments.



The cooperation between Brazil and Germany to ensure a long-term energy supply.



Locations present their potential to become global hubs for the production and export of green hydrogen to Europe - Suape-PE, Porto do Açu-RJ e Pecem-CE.



Technological routes and solutions in Brazil for the green hydrogen production, transport, storage, and export.



"Made in Brazil" innovations and building an ecosystem of startups and cooperation.

SUPERINTENDÊNCIA DO
DESENVOLVIMENTO DO NORDESTE DESENVOLVIMENTO REGIONAL

MINISTÉRIO DO

Bayerische Repräsentanz für Südamerika
Argentinien, Chile, Kolumbien und Peru
Representación del Estado de Bayern para Sudamérica
Argentina, Chile, Colombia y Perú



Deutsch-Brasilianische
Industrie- und Handelskammer
Câmara de Comércio e Indústria
Brasil-Alemanha



Innovation Stage (IN GERMAN ONLY)

A SILENT CONFERENCE IN OUR SOCIALIZING AREA
PLANNED AND ORGANIZED BY INNOVATIVE PARTNERS

SEPTEMBER 21, 2022

DVGW H2-READY – PROJEKTEINBLICKE



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| 12:30 – 12:50 p.m. | Quo vadis H₂ Readiness in Europa
<i>Tobias Weide, Project Manager – ERIG,
European Research Institute for Gas and Energy
Innovation (ERIG)</i> |
| 12:50 – 1:10 p.m. | Woher soll all der Wasserstoff kommen?
<i>Frank Gröschl, Leiter Technologie
und Innovationsmanagement, DVGW e.V.</i> |
| 1:10 – 1:30 p.m. | H₂ Infrastruktur Neubau und Umstellung
von Netzen – Regelwerk und DVGW
H₂ Datenbank
<i>Bjoern Munko, Leiter Gastechnologien
und Energiesysteme, DVGW e.V.</i> |
| 1:30 – 1:50 p.m. | Ergebnisse des DVGW-Leitprojektes
Roadmap Gas 2050
<i>Dr. Frank Graf, Bereichsleiter Gastechnologie,
DVGW-Forschungsstelle am Engler-Bunte-Institut (EBI)
des Karlsruher Instituts für Technologie (KIT)</i> |
| 1:50 – 2:10 p.m. | H₂-Zertifizierungsprogramme
<i>Jürgen Gössl, Leiter Geschäftsbereich Produkte,
DVGW CERT GmbH</i> |
| 2:10 – 2:30 p.m. | Vom Regelwerk in die Praxis: Wasserstoff
in der DVGW Beruflichen Weiterbildung
<i>Peter Preuss, Leiter Bildungsberatung,
DVGW Berufliche Bildung</i> |



PROGRAM HY+ WASSER- STOFF-METROPOLREGION NÜRNBERG



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| 3:30 – 4:30 p.m. | Nachhaltigkeitskriterien
für die Wasserstoffproduktion
<i>In der Diskussionsrunde der Wasserstoff-Metropolregion
Nürnberg hy+ wird erörtert, wie Kriterien für eine
nachhaltige Wasserstoffproduktion im In- und Ausland
aussehen könnten und wie deren Einhaltung
gewährleistet werden kann.</i> |
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PROGRAM NOW GMBH



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| 4:30 – 5:30 p.m. | Hy-Land Regionen: Impulsvortrag und
Diskussion mit Hy-Land Regionen |
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The program on the Innovation Stage is only available in German.

EXHIBITORS



ARTHUR

bayern innovativ



BOSCH
Invented for life

BWK

Dräger



grünbeck



hydrogenious
LOHC TECHNOLOGIES

ostermeier
H₂DRAGEN SOLUTIONS



QRCgroup
Charakter. Köpfe. Zukunft.

SCHAEFFLER

SFC
ENERGY

SIEMENS

STÖHR
ARMATUREN

SEPTEMBER 22, 2022

VDE FINANCIAL DIALOGUE HYDROGEN 2022



10:00 – 10:10 a.m. Einleitende Worte und Housekeeping

Burkhard Holder, VDE Renewables

Block 1: Marktanalyse, Stand der Technik und Ausblick

10:10 – 10:30 a.m. Die Entwicklung der Wasserstoffwirtschaft – eine Bestandsaufnahme mit aktuellen Kennzahlen zum Markt

Christopher Martens, McKinsey & Partner

10:30 – 10:50 a.m. Wasserstoff, die Brücke zu grünem Strom – Grüne Energiesysteme funktionieren anders als fossile

Prof. Werner Tillmetz, Universität Ulm

10:50 – 11:10 a.m. Stand der Technologie – Forschungsstand, Kommerzialisierung, Innovationsradar

Ulf Groos, Fraunhofer ISE

Block 2: Best Practices und Lessons Learnt aus der Industrie

11:10 – 11:30 a.m. Rahmenbedingungen und Herausforderungen der Wasserstoffprojekte – Ganzheitliche Projektanalyse zur effizienten Lenkung des Investitionsflusses

Natalia Westhäuser, Profas Energy Consult, FiveT Hydrogen

11:30 – 11:50 a.m. Auf dem Weg zum großflächigen Betrieb von Wasserstofftankstellen – Stand der Technologie, Lessons Learnt, Standardisierung, Qualitätssiegel

Dr. Peter Werth, WolfTank-Adisa

11:50 a.m. – 12:10 p.m. BMW Wasserstoff-Technologie – Gemeinsame Transformation der Wertschöpfungskette im Automobilbereich

Thomas Hofmann, BMW Group

12:10 – 12:30 p.m.

BREAK

Block 3: Finanzierungsmodelle, Rechtlicher Rahmen und Accelerator

12:30 – 12:50 p.m. Anforderungen an die Wasserstoffindustrie – Business Cases, Bewertungskriterien, Risikominimierung

Rudolf Hilti, THE HUS

12:50 – 1:10 p.m. Nachhaltige Versicherung von Wasserstoff – Anforderungen an Technologie und Risikomanagement von Wasserstoffsystemen

Patrick Hinze, Munich Re

1:10 – 1:30 p.m. Impuls aus der Rechtsberatung für die Wasserstoffwirtschaft – Rechtsrahmen und Praxisanwendung

Michael Grabau, LPA-GGV

1:30 – 1:50 p.m. Entwicklung von europäischen industriellen Wertschöpfungsketten rund um grünen Wasserstoff

Dr. Markus Forstmeier, InnoEnergy

1:50 – 2:10 p.m. Institutionelles Kapital für die Wasserstoffwirtschaft – Eigenkapital für Unternehmen und den Markthochlauf

Marcel D. Werner, SENCO Hydrogen Capital

Block 4: Wasserstoffwirtschaft Quo Vadis?

2:10 – 2:50 p.m. Dr. Markus Forstmeier, InnoEnergy
Rudi Hilti, THE HUS
Patrick Hinze, Munich Re
Oliver Kirfel, LPA-GGV
Christopher Martens, McKinsey & Company
Dr. Peter Werth, WolfTank-Adisa
Natalia Westhäuser, FiveT Hydrogen

Moderator: Burkhard Holder, VDE Renewables

From 2:50 p.m. Wrap-up und Schlussworte

Burkhard Holder, VDE Renewables

Energie & Management
MEDIEN FÜR DEN ENERGEMARKT

hy+
WASSERSTOFF-
METROPOLREGION
NÜRNBERG

en2x
Wirtschaftsverband Fuels
und Energie e.V.

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faurecia

green benefit
NACHHALTIGE INVESTITIONEN

Green H2

H2.B
ZENTRUM
WASSERSTOFF-
BAYERN

H2 NEWS

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Industrie- und Handelskammern
in Bayern

INRAG

JETRO
Japan External Trade Organization

klimareporter

MAN

STREICHER

NL
Netherlands

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Tyczka
HYDROGEN

VDE RENEWABLES

WÄTAS

WEH



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to the
People

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- H2-Mobility | Intralogistics
- H2-O2 | Hydrogen plus oxygen utilization

You want to know more?

Give us a call or send us an email:

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