



H2 Forum
Berlin 2022

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Green Hydrogen Society – Gigawatt Scaling for EU's CO₂ Neutrality

Management Conference – B2B Meetings – Exhibition

April 4 - 5, 2022 | ECC Berlin + Online

www.h2-forum.eu

The conference is organized along six strategic topics from the H2 value chain.



Politics and financing

By the end of the year 2021, there is no demand and no supply for green H2 in Europe. At the same time, infrastructure needs to be built. How does the regulatory framework for green H2 has to look like? How to stimulate an economically viable market? How can companies be supported? What requirements must be met in order to apply for funding?



Production scaling

In order to achieve climate neutrality in Europe, green hydrogen is the answer for nearly all high energy demanding applications. Gigawatt scaling and a quick industry ramp-up is needed, comparable to the battery industry. Where can we produce the green hydrogen in and beyond Europe? What technologies are most efficient to generate as much green hydrogen as possible?



Storage and transport

There are many ways to transport and store hydrogen, whether liquid or gaseous. On the one hand, the focus is on using the existing European gas pipeline infrastructure and on the other hand, it is on shipping hydrogen into Europe from other continents. We will also have a look at chemical transformations to facilitate storage and transport. Different viewpoints from the entire value chain will be on the table for discussion.



Industrial use

Hydrogen is currently produced mainly from hydrocarbons (grey) and is used worldwide as a basic material in a variety of chemical processes. How can the conversion be ensured? How does the transformation process look in detail? Which industries should first access green H2 to reduce CO₂ emissions most? How can fossil fuels be replaced by green hydrogen and what does the transformation process look like?



Mobility applications

In addition to industry, mobility is a major contributor to the carbon footprint. First use cases are available in the aviation, railway, automotive, heavy duty trucks, construction, and shipping industries. Why is there so little supply on the market? In which mobility sector does it make sense to use green hydrogen and why? How can a supply infrastructure be built and standards be set?



Energy and heat supply

Similar to coal and gas, green hydrogen can serve as an energy carrier to supply electricity and heat at the right spot and at the right time – independent of the volatility of natural circumstances. How a technical and safe implementation can succeed in one's own four walls and much more will be examined in more detail at the conference.

08.00 - 09.00 **Check-in | Networking in the exhibition**

09.00 - 09.10 **Opening of the conference | Networking kick-off**

Prof. Dr. Johannes Walther, CEO, IPM AG



09.10 - 09.15 **Welcome in Berlin**

Dr. Kathrin Goldammer, Managing Director Reiner Lemoine Institut & Cluster Spokeswoman Energy Technologies Berlin-Brandenburg



09.15 - 09.30 **The political hydrogen agenda of Europe**

Jorgo Chatzimarkakis, CEO, Hydrogen Europe



09.30 - 09.50 **Developing hydrogen into Europe's major energy carrier – industry insights and demands**

Dr. Carsten Borchers, Vice President Strategy Energy Networks, E.ON SE



09.50 - 10.10 **Achieving H2 infrastructure readiness: Gas grid, ports, and the supply-chain**

Jens Schumann, CEO, Gasunie Deutschland GmbH & Co KG



10.10 - 10.30 **The pace of gigawatt scaling: Global forecast for green hydrogen production in 2025**

Benjamin Haycraft, Vice President, Strategy and Business Development, Europe, Plug Power



10.30 - 11.15 **Coffee break | Networking in the exhibition**

10.40 - 11.10 **Speakers' corner in the exhibiton**

10.40 - 10.50 **High volume manufacturing technologies for electrolyzers and fuel cells**

Clemens Müller, Manager Business Unit Energy Storage, Fraunhofer Institute for Production Technology IPT



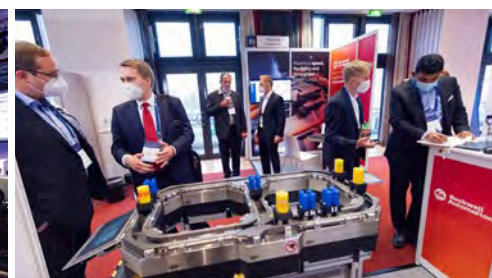
10.50 - 11.00 **EU type approval of hydrogen-powered vehicles and their components after repeal of regulation (EC) 79/2009**

Thomas Frohn, Product Manager Hydrogen Mobility, TÜV Süd Industrie Service GmbH



11.00 - 11.10 **Type 4 high pressure cylinders and their application**

Felix Grass, Sales Director Europe Rail & Distribution, Hexagon Purus
Philipp Thönnißen, Technical Sales, Wytsrach GmbH



11.15 - 12.05 **Building a European H2 market with gigawatt capacity by 2025**

Panel Discussion

Moderation: Jeannette Uhlig, Team Leader Carbon neutral energy carrier, Deutsche Energie-Agentur GmbH (dena)

Jorgo Chatzimarkakis, CEO, Hydrogen Europe

Luc Graré, Head of International Business, Lhyfe

Jasmin Kaboni-Voit, Head of Hydrogen Regulatory & Subsidy Management, RWE Generation SE

Valérie Ruiz-Domingo, Group Hydrogen Vice President, ENGIE

Müslüm Yakisan, President D-A-CH Region, Alstom



12.05 - 12.25 **Electrolysis: A bottleneck for a green hydrogen society?**

Nils Aldag, CEO, Sunfire



12.25 - 12.45 **Establishing the hydrogen economy: Ramping-up production, pipelines, and storage**

Dr. Urban Keussen, CTO, EWE AG



12.45 - 13.45 **Lunch | Networking in the exhibition**

12.55 - 13.40 Speakers' corner in the exhibiton

12.55 - 13.05 **H2Hybat Hybrid storage for hydrogen and batteries**

Dr. Stefan Caba, Head of Competence Center Sustainable Vehicle Development, EDAG Engineering GmbH



13.10 - 13.20 **Hydrogen – Future supply chains and the role of LOHC in the energy system**

Ralf Ott, Head of Policy and Regulation, Hydrogenious LOHC Technologies



13.20 - 13.30 **Chemical analysis for real-time monitoring of e-fuels in industry going green and digital**

Dr. Zarko Jovanov, CEO, LIQUIDLOOP GmbH



13.45 - 14.35 **Regulatory framework for H2 infrastructure**

Panel Discussion

Moderation: Jesse Scott, International Director, Agora Energiewende and Member of the Policy Advisory Council, Florence School of Regulation - FSR Energy

Ralph Bahke, Managing Director, ONTRAS Gastransport GmbH

Jens Geier, Member of the European Parliament

Eva Hennig, Head of Energy Policy EU/Brussels Office, THÜGA AG

Prof. Dr. Michael Sterner, Institute for Energy Storage, Technical University of Regensburg

Mechthild Wörsdörfer, Deputy Director General for Energy, European Commission



14.35 - 14.55 **Everybody talks hydrogen, but what turns words into a large-scale market ramp-up?**

Dr. Axel Wietfeld, CEO Hydrogen, Uniper



14.55 - 15.15 **Challenges and chances for SMEs in the hydrogen industry: The Graebener story**

Fabian Kapp, Managing Director, Graebener Bipolar Plate Technologies,
Board Member, VDMA Fuel Cells Working Group



15.15 - 15.45 **Coffee break | Networking in the exhibition**

15.20 - 15.40 Speakers' corner in the exhibiton

15.20 - 15.30 **eFarm – green hydrogen from local wind power for zero emission mobility and heat**

Jean Poignon, Key Account Manager, GP JOULE Hydrogen GmbH



15.30 - 15.40 **AquaVentus Green hydrogen from the North Sea**

Urs Wahl, Public Affairs, AquaVentus



15.30 - 17.00 **Shipping hydrogen to Europe:
International standards, H2 handling at ports, and its distribution**

Executive workshop (all-access-tickets holder only) | Room Paris

Moderation: Werner Diwald, Chairman of the Board, Deutscher Wasserstoff- und Brennstoffzellen-Verband e.V.

Table 1: Strategic planning of H2 locations

Dr. Carsten Gelhard, Head of HydroHub, EE ENERGY ENGINEERS GmbH (TÜV NORD GROUP)

Table 2: Infrastructure setup and cooperation partner finding for exporting countries

Prof. Dr. Michael Sterner, Institute for Energy Storage, Technical University of Regensburg

Table 3: Technological setup and standards at the importing site

Jan Rispens, Managing Director, Renewable Energy Hamburg Cluster Agency

Table 4: Building up distribution networks to the continental centers of Europe

**Alexander Reinhardt, Head of Geoinformation & Power Line Planning,
DMT Engineering Surveying GmbH & Co. KG**



15.45 - 16.05 **Green hydrogen investments in Europe**

Christian Pho Duc, CTO and Managing Director H2 Projects, Smartenergy



16.05 - 17.00 **Hydrogen based technologies for mobility & transport: Fuel cells vs. hydrogen combustion vs. eFuels**

Masterclass

Moderation: Prof. Dr. Alexander Tsipoulanidis, Berlin School of Economics and Law
Dr. Monika Griefahn, Chairwoman, eFuel Alliance e.V.

Matteo Schmid, Fuel Cell Sales Manager Commercial Vehicles, Proton Motor Fuel Cell GmbH
Thomas Korn, CEO, KEYOU GmbH



16.30 - 17.00 **Discussion**

17.00 - 17.10 **Refreshment break**

17.10 - 17.30 **Large scale storage: Enabling the shift from natural gas to hydrogen**

Catherine Gras, CEO Storengy UK & Germany, Storengy



17.30 - 17.50 **From renewable energy to green hydrogen – Industrial scaling**

Holger Thomsen, Head of Energy Solutions, PNE AG



17.50 - 18.30 **Industry decarbonization with green hydrogen: Shaping the path with the right framework and color mix**

Evening Panel

Moderation: Jeannette Uhlig, Team Leader Carbon neutral energy carrier, Deutsche Energie-Agentur GmbH (dena)

Dr. Tobias Bischof-Niemz, Head of Division New Energy Solutions, ENERTRAG SE
Carina Krastel, Commercial Director at European Green Hydrogen Acceleration Center (EGHAC), EIT InnoEnergy

Olivier Thorel, Vice President Chemicals and Low carbon Hydrogen, Aramco

Steffen Zandler, Heavy Industry - Strategy & Marketing Manager, EMEA, Rockwell Automation



18.30 - 22.00 **Evening reception in the exhibition Flying dinner, cocktail bar and drinks**



08.00 - 09.00 **Check-in | Networking in the exhibition**

09.00 - 09.10 **Opening day 2 | Networking kick-off**

Prof. Dr. Johannes Walther, CEO, IPM AG



09.10 - 09.55 **From international production to national distribution – How to develop global value chains**

Panel Discussion

Moderation: Kilian Crone, Team Leader International Hydrogen Economy, Deutsche Energie-Agentur GmbH (dena)

Dr. David Burns, Vice President, Clean Energy Development, Linde

Dr. Geert Tjarks, Business Development Hydrogen, EWE AG

Aleksandra Tomczak, Cabinet of the Executive Vice-President Frans Timmermans, European Green Deal, European Commission

Dr. Kirsten Westphal, Executive Director, H2Global

Camilo Avilés Arias, Head of the New Energy Carriers Unit, Chilean Ministry of Energy



09.55 - 10.15 **Hydrogen fuel cells – a sustainable power supply already today**

Dr. Peter Podesser, CEO, SFC Energy AG



10.15 - 10.50 **Coffee break | Networking in the exhibition**

10.25 - 10.45 **Speakers' corner in the exhibiton**

10.25 - 10.35 **From exhaust pipe to H2-carrying tube – Why hydrogen suddenly plays an important role for an automotive supplier**

Guido Eckenwalder, Sales Director, Battery Systems & Hydrogen Technologies, fischer group



10.30 - 10.45 **Stack components: Compound bipolar for fuel cells, electrolyzers, gasket, and sealing solutions**

Dr. Thorsten Hickmann, CEO, Eisenhuth GmbH & Co. KG



10.50 - 11.20 **Why we believe and invest in hydrogen**

Success Stories

Moderation: Prof. Dr. Andreas Zaby, Berlin School of Economics and Law



10.50 - 11.00 **Use-case 1: Busses and trucks**

Tom George, COO, Clean Logistics SE



11.00 - 11.10 **Use-case 2: Forklifts**

Kai Hesse, Group leader product management, Toyota Material Handling Deutschland GmbH, and Spokesman of the Clean Intralogistics Net



11.10 - 11.20 **Use-case 3: H2 fuel cell trucks for waste collection & inner city distribution**

Paul J. Bruns, Business Development Manager Bluepower, FAUN Umwelttechnik GmbH & Co. KG



11.20 - 12.05 From production to end-use in trains – national hydrogen supply chain

Panel discussion

Moderation: Prof. Dr. Andreas Zaby, Berlin School of Economics and Law

Tim Evison, Senior Vice President Clean Hydrogen, Messer SE & Co. KGaA

Dr. Tobias Fischer, Head of Technology TecLab, Deutsche Bahn AG

Alexander Habeder, Head of Business Development New Energy Business, Siemens Energy

Randy MacEwen, CEO, Ballard Power Systems Inc.

Albrecht Neumann, CEO Rolling Stock, Siemens Mobility GmbH



12.05 - 13.05 Lunch | Networking in the exhibition

12.15 - 12.55 Speakers' corner in the exhibiton

12.15 - 12.25 Asset lifecycle management for sustainable construction, operation, and decommissioning of hydrogen industry infrastructures

André Panné, Managing Director, RODIAS GmbH



12.25 - 12.35 Tyczka hydrogen – enabling green hydrogen valleys

Thomas Zorn, Managing Director and **Dr. Christoph Stiller**, Head of Business Development, Tyczka Hydrogen GmbH



12.35 - 12.45 Kawasaki hydrogen road: Development of innovative hydrogen technologies

Dr.-Ing. Nurettin Tekin, Hydrogen Product Management, Kawasaki Gas Turbine Europe GmbH



12.45 - 12.55 APUS zero emission – a new era of aviation

Phillip Scheffel, CEO & Founder, APUS Group



13.05 - 13.25 Decentralized storage and supply of green energy

Guido Degen, CCO, GKN Hydrogen



13.25 - 14.10 Using green hydrogen as a CO2-neutral energy carrier in Europe's heat and power markets

Panel discussion

Moderation: Dr. Timm Kehler, Board of Directors, Zukunft Gas

Zeyad Abul-Ella, CEO & Founder, HPS Home Power Solutions GmbH

Vera Brenzel, Director Public Affairs and Communication, TenneT TSO

Alexander Dauensteiner, Coordinator Global Hydrogen Activities, Viessmann Climate Solutions SE

Barbara Metz, Executive Director, Deutsche Umwelthilfe e.V.

Heiko Schneider, CEO, GoGaS Goch GmbH & Co. KG



14.10 - 14.40 Coffee break | Networking in the exhibition

14.40 - 15.00 Outlook for gigawatt scaling: When will the technology be market-ready?

Manuel Kühn, Head of New Energy for Middle East and Africa, Siemens Energy



15.00 - 15.45 Global technology leadership in hydrogen – will Europe stay ahead?

Outlook panel

Moderation: Kilian Crone, Team Leader International Hydrogen Economy, Deutsche Energie-Agentur GmbH (dena)

Thorsten Herbert, Director Market Development and Public Affairs, Nel ASA

Shian Jones-Mortensen, Head of Market & Business Development Hydrogen, Ørsted

Carsten Krause, Managing Director, Elogen GmbH

Dr. Wiebke Lüke, CEO, WEW GmbH

Dominique Rouge, Vice President, Sales & Technology, Air Liquide Engineering & Construction



15.45 Closing address

Prof. Dr. Johannes Walther, CEO, IPM AG



Welcome to our networking opportunities

Make new business contacts and get to know your business partners more personally. Network with 500 participants on-site and use the app to network online with 2,400+ participants.



Matchmaking Tool

Use our app to easily get in touch with the right people! The AI-supported matchmaking software analyses all participants and recommends leads that could be particularly interesting for you.



B2B Meetings – On-Site and Online

Arrange B2B meetings with participants from the entire hydrogen value chain. Meet either on-site in the B2B area or digitally via video call. Video meetings are even possible until Wednesday, April 06, 2022.



Executive Workshop

Discuss and work in teams with other professionals and selected experts. Exchange ideas, present results, and gain new insights.

For all-access-ticket holders only.



Exhibition

The exhibition area is the primary meeting place for networking and dining. Innovative companies from the entire value chain will showcase their latest technologies, products, and solutions to enable hands-on experience and discuss applications.



Speed Networking (online)

Generate a maximum of contacts who have similar interests and goals as you in a minimum amount of time! Use the app to join our AI based online Speed Networking Sessions on Monday, April 4, 10:30 - 11:00 a.m. and on Tuesday, April 5, 10:20 - 10:50 a.m.



Evening Reception

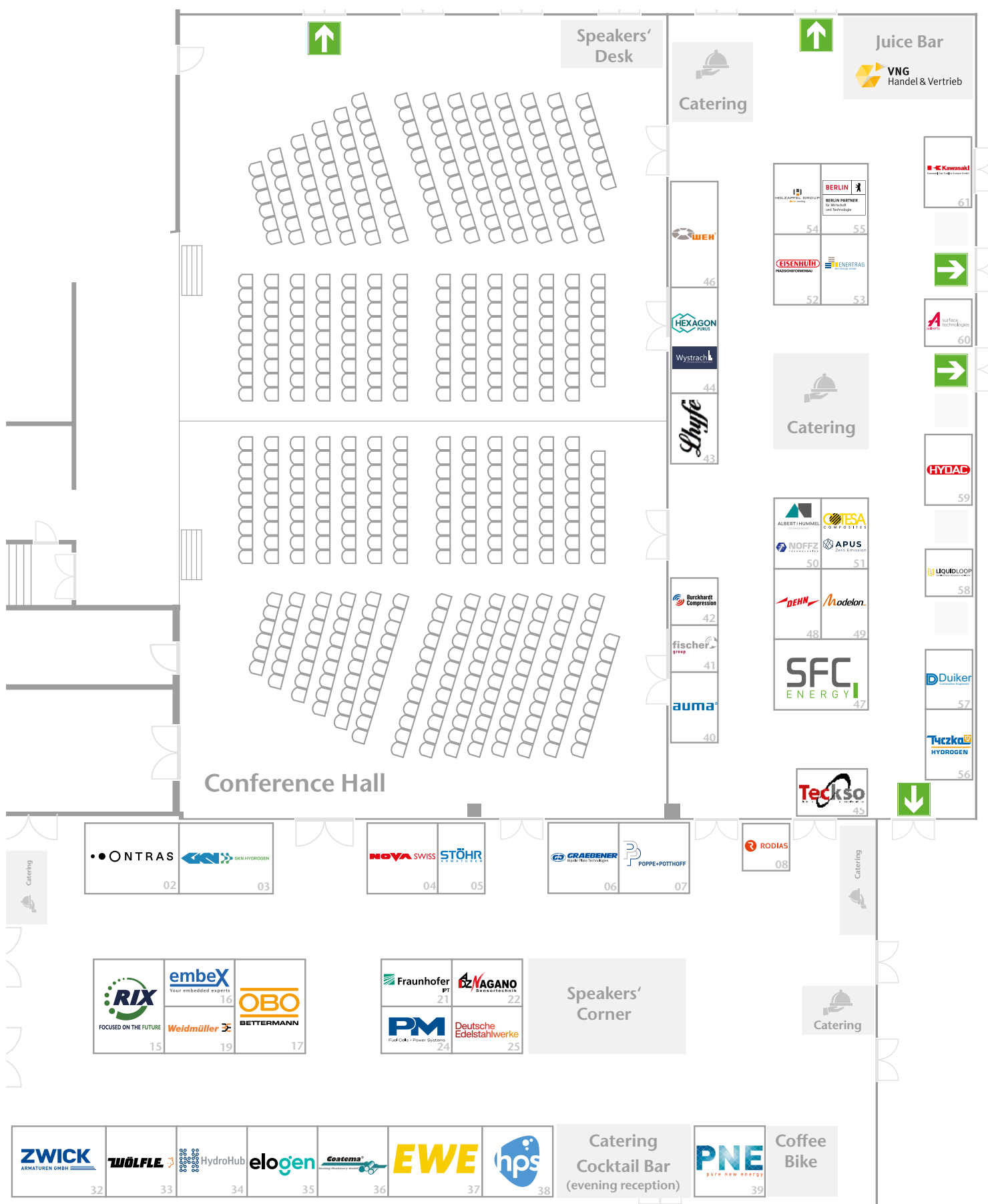
What better way to network than at a get-together directly in the exhibition area with flying dinner and cocktails? Be sure that you don't miss the evening reception on Monday, April 4, at 18:30 p.m.

Floor Plan

Meet the H2 value chain

Innovative companies from the entire value chain will showcase their latest technologies, products, and solutions to enable hands-on experience and discuss applications. The exhibition area is the primary meeting place for networking and dining.





Company Name	Stand
Aalberts Surface Technologies GmbH	60
ADZ NAGANO GmbH	22
Albert Hummel GmbH	50
APUS Zero Emission	51
AUMA Riester GmbH & Co. KG	40
Berlin Partner für Wirtschaft und Technologie GmbH	55
Burckhardt Compression AG	42
Coatema® Coating Machinery GmbH	36
COTESA GmbH	51
DEHN SE	48
Deutsche Edelstahlwerke Specialty Steel GmbH & Co. KG	25
Duiker Combustion Engineers	57
Eisenhuth GmbH & Co. KG	52
Elogen GmbH	35
embeX GmbH	16
ENERTRAG SE	53
EWE AG	37
fischer Edelstahlrohre GmbH	41
Fraunhofer IPT	21
GKN Hydrogen	03
GoGaS Goch GmbH & Co. KG	01
Graebener Bipolar Plate Technologies	06
Hexagon Purus GmbH	44
Holzapfel Metallveredelung GmbH	54
HPS Home Power Solutions GmbH	38
HYDAC International GmbH	59
HYDROGENIOUS LOHC TECHNOLOGIES GmbH	09
HydroHub	34
Kawasaki Gas Turbine Europe	61
LEE Hydraulische Miniaturkomponenten GmbH	10

Company Name	Stand
Lhyfe GmbH	43
Linde GmbH	28
LIQUIDLOOP GmbH	58
Modelon	49
NOFFZ Technologies GmbH	50
Nova Werke	04
NOW GmbH	14
OBO Bettermann Holding GmbH & Co. KG	17
ONTRAS Gastransport GmbH	02
PNE AG	39
Poppe+Potthoff	07
Proton Motor Fuel Cell GmbH	24
RIX Industries	15
Rockwell Automation	12
RODIAS GmbH	08
SFC Energy AG	47
Siemens AG	29
Siemens Energy Global GmbH & Co. KG	30
Siemens Mobility GmbH	30
STÖHR ARMATUREN GmbH & Co. KG	05
Teckso GmbH	45
TÜV SÜD Industrie Service GmbH	13
Tyczka Hydrogen GmbH	56
Uniper Hydrogen GmbH	31
vabeck GmbH	virtual
WEH GmbH Gas Technology	46
Weidmüller Interface GmbH & Co. KG	19
Wölflle GmbH	33
Wystrach GmbH	44
Zwick Armaturen GmbH	32



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Your ticket to connect with the experts



Standard Ticket

EUR 1,220 | incl. all sessions, physical and digital access to the conference, B2B meetings on-site + video, networking with all participants, matchmaking app, food and beverages, flying dinner and more.

Availability: 60 of 500 tickets



All-Access Ticket

EUR 1,470 | incl. all sessions, executive workshops, physical and digital access to the conference, networking and B2B meetings on-site + video, matchmaking app, food and beverages, flying dinner and more.

Availability: 10 of 40 tickets



Virtual Ticket

Free of charge | incl. main track, digital access to the expo, AI based networking via matchmaking app, B2B video meetings and more.

Availability: unlimited

Contact: Laura Pawlik

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