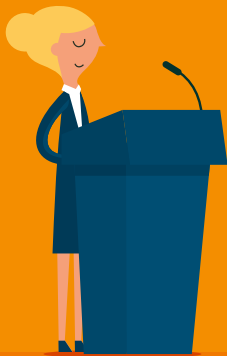


# E-WORLD PROGRAM 2023



## PROGRAM REVIEW 2023





# Agenda

## E-world Conferences

4 Leadership Meeting Energy  
(Führungstreffen Energie)

6 Fiber Optics Forum (Glasfaserforum)

## E-world Expert Forums

9 Program overview

### CAREER FORUM

22 Thursday – 25.05.2023

### HYDROGEN SOLUTIONS FORUM

13 Tuesday – 23.05.2023

14 Wednesday – 24.05.2023

15 Thursday – 25.05.2023

### NEW ENERGY SYSTEMS FORUM

23 Tuesday – 23.05.2023

24 Wednesday – 24.05.2023

25 Thursday – 25.05.2023

### FUTURE FORUM

16 Tuesday – 23.05.2023

17 Wednesday – 24.05.2023

18 Thursday – 25.05.2023

### SPEED-DATES

27 Business Speed-Dates

### CHANGE FORUM

19 Tuesday – 23.05.2023

20 Wednesday – 24.05.2023

21 Thursday – 25.05.2023

# E-world Conferences

As part of E-world 2023, two conferences in German language took place: Discover on the following pages the program of the Leadership Meeting Energy, which took place the day before the fair for top management and of the Fiber Optics Forum, which discussed on the second day of the trade fair the broadband expansion.





# Energy Leadership Meeting (Führungstreffen Energie)

Moderation – **Michael Bachmüller**, Parliamentary Editorial, Süddeutsche Zeitung

📅 May 22, 2023 | ⌚ 12:30 – 18:30 | 🗣️ GER | 💶 € 790,- plus VAT | 📍 Atlantic Congress Hotel, Essen

**A**t the Leadership Meeting Energy, management representatives from the energy sector, industry and politics discussed the current challenges, strategies and developments at eye level. This event was jointly organized by Süddeutscher Verlag Veranstaltungen GmbH and E-world energy & water for the twelfth time.

Bundled together in one afternoon, the previous energy transition was subjected to a critical review and an outlook into the future was given. Furthermore, the participants had ample opportunity for expert discussions and networking. The Süddeutsche Zeitung accompanied this event as media partner and again provided the moderator of the congress: Michael Bachmüller from the business editorial department asked the critical questions that move the industry.



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**Süddeutsche Zeitung**



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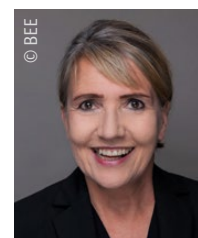
## Meet the Following Decision Makers of the Energy Industry, Including:



**Klaus Müller,**  
President,  
Bundesnetzagentur



**Andreas Feicht,**  
Chairman of the  
Management Board,  
Rheinenergie AG



**Dr. Simone Peter,**  
President,  
Bundesverband  
Erneuerbare  
Energien (BEE) e.V.



**Kerstin Andreae,**  
Managing Director,  
BDEW e.V.



**Dr. Jörg Bergmann,**  
Spokesman of  
the Board,  
Open Grid Europe  
GmbH



**Hans-Martin  
Hellebrand,**  
CEO,  
Badenova AG

## PROGRAM

12:30 **Welcome by the Organizers and the Moderator**

### Energy Policy under the Sign of the Crisis

12:40 **Energy Crisis and Now? What the Winter Teaches the Federal Government**

**Stefan Wenzel**, Parliamentary State Secretary,  
Federal Ministry of Economics and Climate Protection

13:00 **Network Stability and Security of Supply for Gas and Electricity**

**Klaus Müller**, President, Bundesnetzagentur

13:20 **PANEL: Energy Security for Germany – Where Will it Come from in the Future?**

**Dr. Jörg Bergmann**, Spokesman of the Management Board, Open Grid Europe GmbH  
**Rolf Buch**, Chairman of the Management Board, Vonovia AG  
**Andreas Feicht**, Chairman of the Board, Rheinenergie AG  
**Holger Lösch**, Deputy CEO, Bundesverband der Deutschen Industrie e.V.  
**Klaus Müller**, President, Bundesnetzagentur  
**Dr. Alexander Lücke**, Head of Energy Security Subdivision, Federal Ministry for Economic Affairs and Climate Protection

### Energy Economy for Tomorrow

14:20 **Decarbonization Needs Many Solutions and No Ideology!**

**Prof. Dr. Christian Küchen**, Managing Director,  
enx – Fuels and Energy Business Association e.V.

14:30 **PANEL: Energy Transition – How Decarbonization Can Still Succeed**

**Carsten Bovenschen**, CEO, Juwi AG  
**Prof. Dr. Christian Küchen**, CEO,  
enx – Wirtschaftsverband Fuels und Energie e.V.

14:30 **Dr. Simone Peter**, President, Bundesverband Erneuerbare Energien (BEE) e.V.

**Prof. Dr. Michael Sterner**, Professor for Energy Storage and Energy Systems, OTH Regensburg

**Holger Kreetz**, COO, Uniper SE

15:20 Networking, Coffee Break

16:00 **PANEL: Energy Transition in the Heating Market – When if not Now?**

**Sebastian Herkel**, Head of Department EEB Energy Efficient Buildings, Fraunhofer Institute for Solar Energy Systems

**Carsten Liedtke**, Spokesman of the Management Board, SWK Stadtwerke Krefeld AG

**Christian Noll**, Managing Director, Deutsche Corporate Energy Efficiency Initiative DENEFF e.V.

### Strategic Positioning for the Markets of the Future

16:50 **Municipal Utilities as Ecosystem Providers**

**Hans-Martin Hellebrand**, CEO, Badenova AG

17:20 **INTERVIEW: Random Profits, Electricity Price Brake, Gas Cap: Where is Germany's Energy Market Heading?**

**Dr. Felix Matthes**, Research Coordinator for Energy and Climate Policy, Öko-Institut e.V.

**Kerstin Andreae**, Managing Director, BDEW e.V.

17:50 **Final Discussion and Summary of the Day by the Moderator**

18:00 Champagne Reception and Conclusion, Networking

# Fiber Optics Forum 2023 (Glasfaserforum)

## Intelligent Dovetailing of Own-Account and Subsidized Expansion

Moderation – **Andreas Spiegel**, Micus Strategieberatung GmbH



📅 May 24, 2023 ⌚ 09:00 – 14:00 🗨 GER 💶 Free of charge 📍 E-world CCE West, Hall Berlin

The Fiber Optics Forum on May 24 showed ways for the intelligent dovetailing of own-account and subsidized fiber optic expansion. For its success, it needs a trusting cooperation between network operators, public administration and politics. The acceleration and digitalization of approval processes, the use of open access instead of double expansion, the targeted use of subsidies and funds, and entering into strategic partnerships will be important success factors for the nationwide roll-out of fiber optics in Germany.

In cooperation among the network operators and in exchange with policymakers, decisive steps have been taken in the recent past for the fiber rollout. Those measures have been discussed in more detail at the Fiber Optics Forum 2023. Furthermore, it offered the various players a stage to discuss how to deal with the new market situation in practice.

The program partners were the Bundesverband Breitbandkommunikation e.V. (BREKO), Micus Strategy Consulting and Conenergy.

### PARTNERS



### SPONSOR



## Meet at the Fiber Optics Forum the Decision Makers of the Branch, including:

© Breko



**Dr. Stephan Albers,**  
Managing Director, BREKO

© Glasfaser Ruhr



**Christian Graumann,**  
Managing Director, Glasfaser  
Ruhr GmbH & Co. KG

© GRW Höxter



**Michael Stolte,**  
Managing Director, Gesell-  
schaft für Wirtschaftsförde-  
rung im Kreis Höxter mbH

© Landkreistag NRW



**Dr. Markus Faber,**  
Main Referent, Landkreistag  
NRW

© BMDV



**Gertrud Husch,**  
Head of the Department  
"Digital Connectivity",  
Federal Ministry for Digital  
Affairs and Transport

© Micus



**Sebastian Fornefeld,**  
Managing Director,  
Micus Strategieberatung  
GmbH

## PROGRAM

- 09:00 **Breakfast Reception with Café & Croissants**
- 09:30 **Welcome**  
**Anne Buers**, Head of Program, E-world energy & water
- 09:35 **One Year of Gigabit Strategy**  
**Sven Butler**, Head of the Gigabit Office of the Federal Government
- 09:55 **Panel Discussion: Open Access Instead of Double Roll-Out: Solutions for Nationwide Fiber Rollout!**  
**Dr. Stephan Albers**, Managing Director, BREKO  
**Hans-Peter Beyer**, Head of Department "Fiber Optic Expansion" NRW  
**Dr. Steffen Müller**, Procurist, Vitroconnect OXG  
**Dr. Julian Fischer**, Head of Legal, Regulation & Governance, westconnect
- 10:40 **Self-Financed Expansion Versus Subsidies – Perspectives for NRW.**  
**Marius Dallmann**, Managing Director Expansion, Deutsche Glasfaser
- 11:00 **Fiber Optic Rollout from the Perspective of the Counties in NRW**  
**Dr. Markus Faber**, Keynote Speaker, Landkreistag NRW
- 11:20 **Message from the Sponsor Wingas**
- 11:30 **Break – Brunch by Wingas/Networking**
- 12:15 **Strategic Fiber Optic Expansion through Cooperation – A Practical Example of Glasfaser Ruhr**  
**Christian Graumann**, Managing Director, Glasfaser Ruhr
- 12:35 **Fiber Optic Expansion in Rural Areas – Reality or Fiction?**  
**Michael Stolte**, Managing Director, Gesellschaft für Wirtschaftsförderung Kreis Höxter
- 12:55 **After Fiber Optic Expansion is Before Fiber Optic Expansion – Challenges in the NE4.**  
**Stefan Kühne**, Managing Director, KSKDIGITAL
- 13:15 **Fiber Optic Expansion from the Federal Government's Perspective**  
**Gertrud Husch**, Head of the "Digital Connectivity" Department, Federal Ministry of Digital Affairs and Transport
- 13:35 **Mass and Class – Optimization Potentials for the Investor-Protected Rollout**  
**Sebastian Fornefeld**, Managing Director, Micus Strategieberatung GmbH
- 13:55 **Closing & Conclusion of the Day**  
**Andreas Spiegel**, Managing Director, Micus Strategieberatung GmbH
- 14:00 **Networking, End of the Event**

# E-world Expert Forums

Discover panels and presentations on the topics that keep the sector on its toes: The expert forums Hydrogen Solutions, Future, Change and New Energy Systems offered project insights, policy reviews and strategic outlooks during the 3 days of E-world.





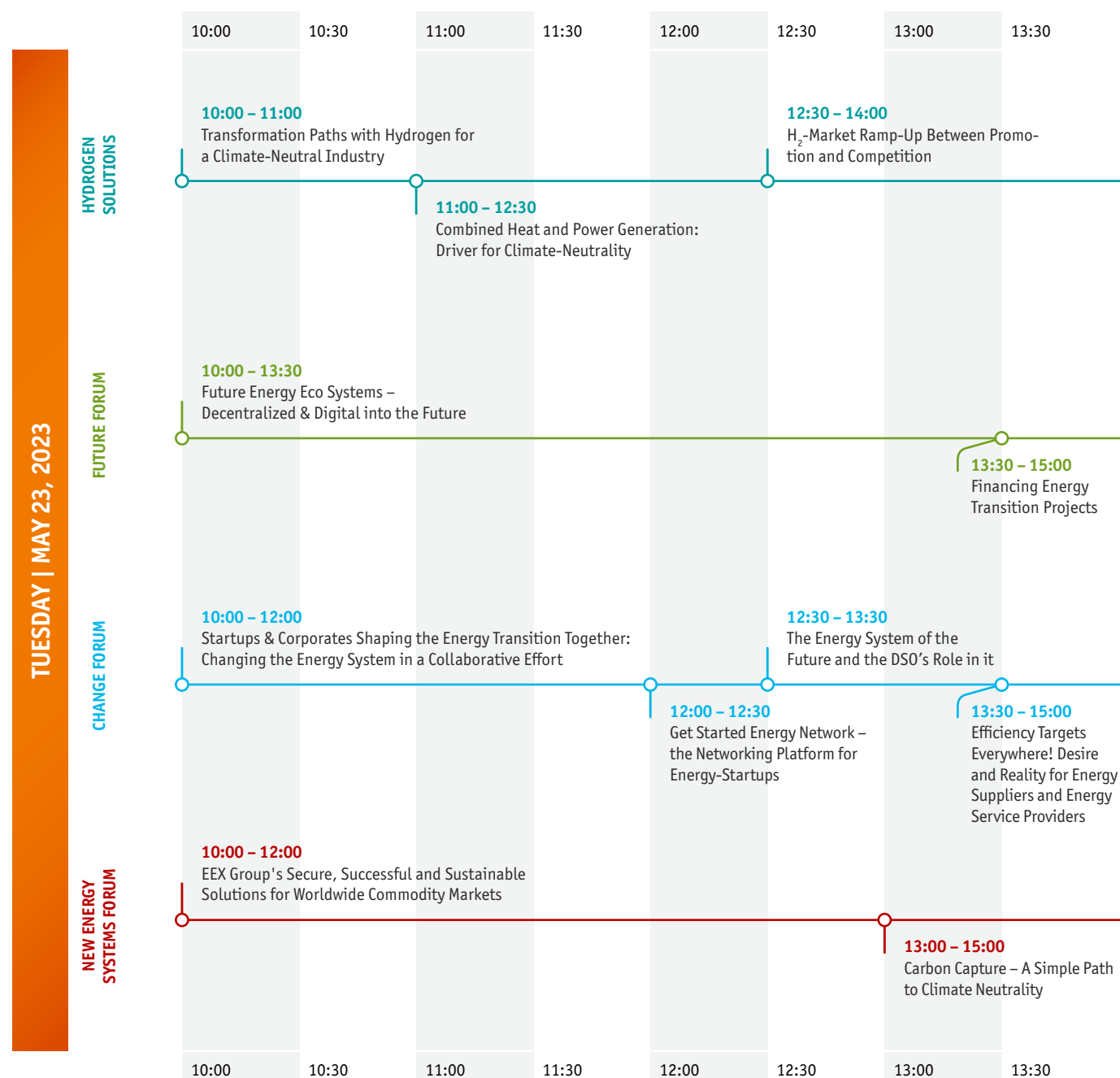
# E-WORLD PROGRAM OVERVIEW 2023

Four open forums offered you a wide variety of topics. Experts shared their knowledge and experience on different parts of the energy sector with the audience. All panel discussions and presentations were free to access for all E-world visitors with their E-world ticket. The presentations and panel discussions on E-world's expert forums were held in English and German. Programs in German were translated simultaneously into English.

With the **HYDROGEN SOLUTIONS FORUM**, we dedicated a place to present projects and discuss political and regulatory decisions

regarding the energy carrier of the future. This forum was embedded in the exhibition area of the same name in hall 2 and featured associations like DVGW, Zukunft Gas, Federal Association for Renewable Energies, and many more.

Possible outlines for the energy sector to meet its climate goals was the main subject at the **FUTURE FORUM** in hall 4. The visitors could discover perspectives on the green transition for the manufacturing industry, flexibility markets, electricity grids, emissions trading, and many more.

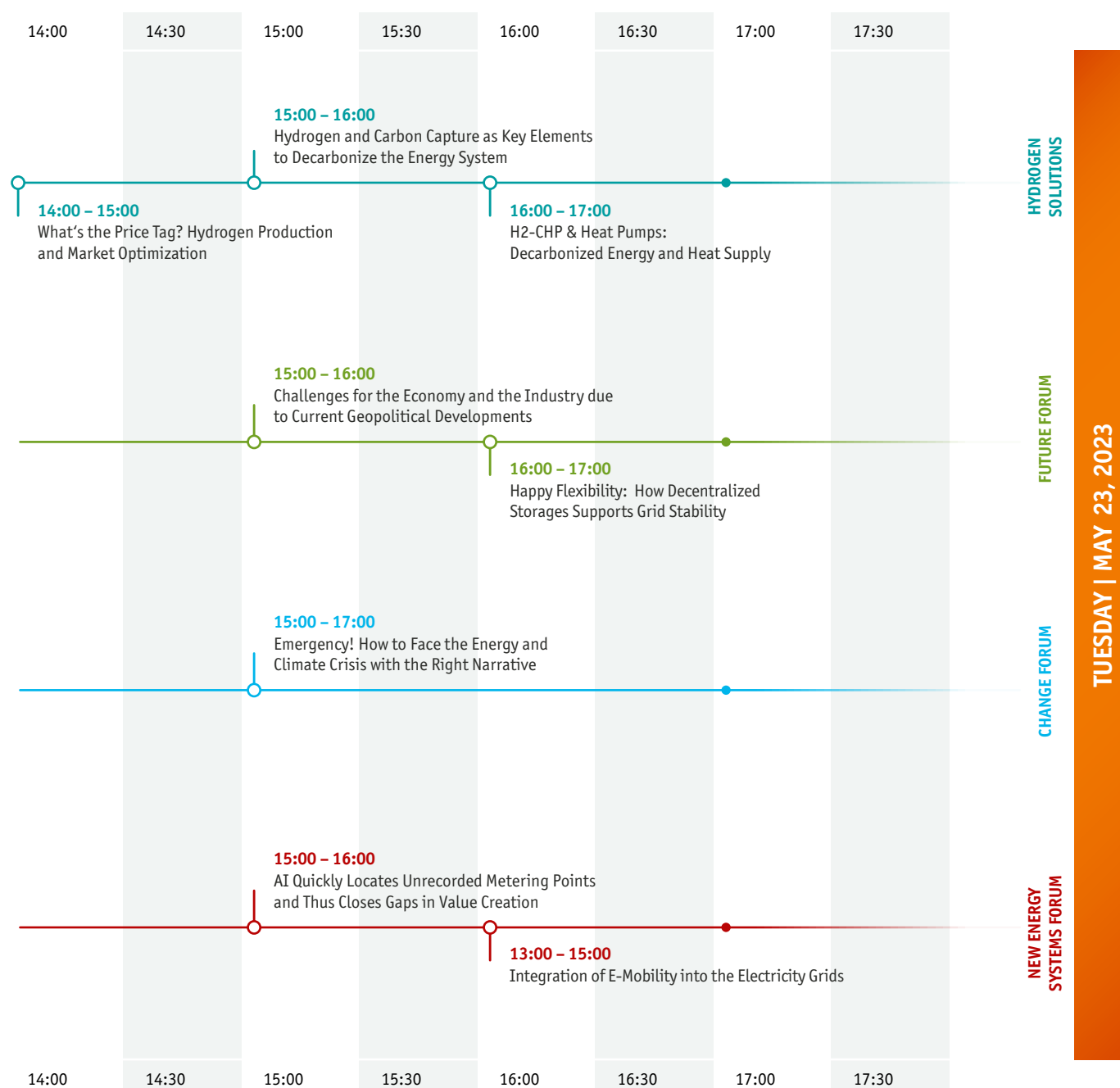


# E-WORLD PROGRAM OVERVIEW 2023

The ongoing change in the energy sector was the central topic at the **CHANGE FORUM** in hall 5. International reports from Sweden and Iceland as well as the assessment of European law initiatives awaited the public.

The Change Forum also hosted the **CAREER FORUM** on the third fair day. In addition to a stage program, participants could easily meet and connect with companies to find potential employers.

The **NEW ENERGY SYSTEMS FORUM** in hall 1 focussed on how to integrate and expand renewable energies. The visitors discussed with experts from EEX, World Energy Council Germany, ES-MIG, and many more. The following pages give you an overview of the program.



## WEDNESDAY | MAY 24, 2023

HYDROGEN  
SOLUTIONS

**10:00 – 12:30**  
1,000 Days of Federal Hydrogen Strategy –  
Perspectives on Imports

**13:30 – 15:00**  
H<sub>2</sub> Market Ramp-Up Between  
Promotion and Competition

**12:30 – 13:30**  
From A to B: Transporting Hydrogen from  
Production Sites to Points of Usage

## FUTURE FORUM

**10:00 – 11:30**  
Use Guarantees of Origin as a Value Component!

**12:30 – 15:00**  
Future Prospects for the Electricity Markets:  
Which Market Design Should Ensure  
the Financing of Renewable Energy Projects?

**11:30 – 12:30**  
Lecture Triathlon on "Fit for 55" – The New Condition  
Program for Emissions Trading

## CHANGE FORUM

**10:00 – 11:30**  
Explore the Path to a Greener, Smarter  
and More Productive Future

**12:30 – 13:00**  
Data Security in the Energy Transition

**11:30 – 12:30**  
Green Solutions from Iceland, Ranging  
from Geothermal Energy to Innovative  
Energy Solutions

**13:00 – 17:00**  
I/O Energy Tech Forum

NEW ENERGY  
SYSTEMS FORUM

**10:00 – 12:00**  
Hydrogen as a key factor on the road to climate neutrality

**12:00 – 13:30**  
Smart Meter Rollout: Best Practices and Current  
Developments on the European Market

**13:30 – 14:30**  
Decarbonization and Sustain-  
ability of (District) Heating Supply

## THURSDAY | MAY 25, 2023

HYDROGEN  
SOLUTIONS

**10:00 – 11:30**  
Storage for and with Hydrogen

**11:30 – 13:00**  
How Does it Get There? Infrastructures  
for Hydrogen

**13:00 – 15:00**  
Turning Natural Gas into Hyd-  
rogen? Approaches to Decarbo-  
nising the Heating Sector

## FUTURE FORUM

**10:00 – 11:30**  
Data Economy and Interoperability for the Digitization of Power Grids

**11:30 – 13:30**  
Green Thinking: How to Achieve Net Zero?

**13:30 – 15:00**  
Bi-directional Charging –  
Can EVs Pave the Way to a More  
Flexible Energy System?

## CHANGE FORUM

**09:30 – 11:30**  
Career Forum

**12:30 – 13:30**  
New Ways of Working

**11:30 – 12:30**  
enPower – The Energy Transition  
Podcast with Frauke Thies

**13:30 – 15:00**  
Energy storage:  
Technologies to Support the  
Flexibility of the Power System

NEW ENERGY  
SYSTEMS FORUM

**10:00 – 12:00**  
Building the Future of Climate-Neutrality

**12:00 – 13:00**  
Business Cases for Battery Storage: How Big is the Market?

**13:30 – 14:30**  
Join Forces: How Power to X  
Helps Integrating Renewables





# HYDROGEN SOLUTIONS FORUM | TUESDAY

May 23, 2023 10:00 – 17:00 Hall 2

## → HYDROGEN FOR A CLIMATE-NEUTRAL INDUSTRY AND MIDDLE CLASSES

🕒 10:00 – 11:00

**10:00** To achieve climate protection targets in industry and SMEs, fossil fuels must be replaced by climate-neutral gases such as hydrogen. The gas network, to which around 1.8 million industrial and commercial enterprises are connected, plays a central role in accelerating this transformation. In the future, green gases will be transported via pipelines so that Germany can achieve its climate targets and at the same time remain a future-proof, competitive industrial location.



PARTNER



## → COMBINED HEAT AND POWER PANEL: DRIVER FOR CLIMATE NEUTRALITY

🕒 11:00 – 12:30

**11:00** **John Werner**, Head of Business Development & Strategy, Zukunft Gas e.V.  
**Joachim Voigt**, Procurist and Head of Sales, SOKRATHERM GmbH  
**Matthias Ertmer**, Department Manager Generation Control, Mainova AG  
**Michael Wagner**, Director Product & Solutions Management – Stationary, Rolls-Royce Solutions  
**Florian Feller**, Head of Climate Strategy & Political Work, energie schwaben gmbh & Head of Initiative "H2vorOrt"



PARTNER



## → HYDROGEN MARKET RAMP-UP BETWEEN PROMOTION AND COMPETITION

🕒 12:30 – 14:00

**12:30** **Dr. Martin Altmann**, Lawyer and Partner, BBH  
**Dr. Christian Dessau**, Lawyer and Partner Counsel, BBH  
**Dr. Hanno Butsch**, Partner Counsel, BBH Consulting

## → WHAT IS THE PRICE? HYDROGEN PRODUCTION AND MARKET OPTIMIZATION

🕒 14:00 – 15:00

**14:00** **Cost Uncertainty for Carbon-Free Hydrogen**  
**Lukas Feldhaus**, Consultant, THEMA Consulting Deutschland GmbH

**14:30** **Green Hydrogen Produced Locally**  
**Dr.-Ing. Philipp Siemes**, Senior Business Developer Hydrogen, Statkraft Markets GmbH

## → HYDROGEN AND CARBON CAPTURE AS KEY ELEMENTS TO DECARBONIZE THE ENERGY SYSTEM

🕒 15:00 – 16:00

**15:00** **Hydrogen – The Missing Piece For a Decarbonized EU Energy System**  
**Dr. Sebastian Braun**, Head of Power & Hydrogen Quant Analytics, I C I S Independent Commodity Intelligence Services

**15:30** **Elements of a Carbon Management Strategy – How to Think CO<sub>2</sub>, H<sub>2</sub> and Renewables Together**  
**Jan Klenke**, Policy Advisor, Verband der Industriellen Energie- und Kraftwirtschaft e.V.

## → H2-CHP & HEAT PUMPS: DECARBONIZED ENERGY AND HEAT SUPPLY

🕒 16:00 – 17:00

# HYDROGEN SOLUTIONS FORUM | WEDNESDAY

May 24, 2023 10:00 – 17:00 Hall 2



## 1.000 DAYS OF HYDROGEN STRATEGY – PERSPECTIVES ON THE IMPORT SIDE



10:00 – 12:30

- 10:00** **Dr. Ansgar Kranz**, Business Development Manager, TÜV Rheinland  
**Henning Weege**, Head of Hydrogen & Green Energy, thyssenkrupp Steel Europe AG  
**Sirko Beidatsch**, Expert Gas Markets, EEX  
**Nikolaus Widmann**, Head of Special Projects, Tree Energy Solutions  
**Moderation: Dr. Håvard Nymoen**, Managing Director, con|energy consult



## FROM A TO B: TRANSPORTING HYDROGEN FROM PRODUCTION SITES TO POINTS OF USAGE



12:30 – 13:30

- 12:30** **Green Electricity Supply and H<sub>2</sub> Plants Design Optimization to Achieve Competitive LCOH**  
**Dolores Muñoz Sanchez**, Business Developer Hydrogen, Alpiq AG
- 13:00** **H2ercules – the Hydrogen Expressway**  
**Selina Breilmann**, Head of Business Development, Open Grid Europe GmbH  
**Dr. Sebastian Vogel**, Director Hydrogen Global Strategy & Business Growth, RWE Generation SE



## AN ALL ELECTRIC WORLD? THE MIX MAKES THE MOBILITY OF THE FUTURE



13:30 – 15:00

- 13:30** Electromobility will dominate passenger transport in the medium term. But how can the infrastructure that must be available at all times, even in times of crisis, be organized? Can it also be electrified? In this panel discussion, we discussed with experts from the interior and security sectors which mobility solutions, especially for critical vehicles such as rescue forces, ambulances, fire departments, police, agriculture, etc can be used.



PARTNER



## UNITING BUSINESSES AROUND SPLITTING WATER – STRENGTHENING UK-GERMAN HYDROGEN COLLABORATION



15:00 – 16:30

- 15:00** Europe's economies are transforming at unprecedented pace to shake off their reliance on fossil fuels. A new, net zero trade and investment landscape is emerging from this unparalleled shift and at the heart of this change is one of the simplest possible molecules, consisting of just two protons and two electrons held together by electrostatic forces – hydrogen. The UK and Germany have much to gain from greater collaboration on hydrogen. The UK has the largest offshore wind market in Europe and the biggest project pipeline, and Germany is set to account for more than half of the combined hydrogen import demand in Europe. In this session, the future of the UK-GER hydrogen collaboration and how businesses and investors can get involved were discussed.



PARTNER



British  
Consulate-General



## AN OVERVIEW OF THE WIND AND HYDROGEN PROJECTS OF FUKUSHIMA PREFECTURE



16:30 – 17:00

- 16:30** **Andrew Birch**, Coordinator Hydrogen and Wind Energy, EnergyAgency Fukushima

# HYDROGEN SOLUTIONS FORUM | THURSDAY

May 25, 2023 10:00 – 15:00 Hall 2

## → STORAGE FOR AND WITH HYDROGEN

⌚ 10:00 – 11:30

### 10:00 Uniper: Underground Hydrogen Storage – Two Energy Transition Projects

**Sebastian Boor**, Cavern Operations Project Manager – Subsurface Facilities Storages, Uniper Energy Storage GmbH

### 10:30 Hydrogen Storage: Review of Technologies and Potential in Europe Storengy Projects in France and Germany

**Catherine Gras**, CEO, Storengy UK & Germany

### 11:00 Demonstration of Seasonal Energy Storage Using Liquid Organic Hydrogen Carriers (LOHC)

**Dr. Stefan Kasselmann**, Head of Department "Intelligent Campus" / Projectmanager "Living Lab Energy Campus", Forschungszentrum Jülich GmbH

## → HOW DOES IT GET THERE? INFRASTRUCTURES FOR HYDROGEN

⌚ 11:30 – 13:00

### 11:30 How Does it Get There? Infrastructures for Hydrogen

**Matthias Lenz**, Business Unit Manager Network Planning and Grid Operation, Fraunhofer IEE

### 12:00 Hyperlink: 1,000 km Hydrogen Transport Network in Northern Germany

**Anke Alvermann-Schuler**, Stakeholder Manager, Gasunie Energy Development GmbH

### 12:30 AquaVentus – Project Presentation Offshore Electrolysis

**Robert Seehawer**, Managing Director, AquaVentus

## → TURNING NATURAL GAS INTO HYDROGEN? APPROACHES TO DECARBONIZATION OF THE HEAT SECTOR

⌚ 13:00 – 15:00

### 13:00 Hydrogen – Heat for the Middle Class

E.ON Hydrogen

### 13:30 H<sub>2</sub> Market Ramp-Up Between Funding and Competition

**Florian Feller**, Chairman H2vorOrt, Head of Climate Strategy & Political Work, energie schwaben gmbh

### 14:00 Turning Natural Gas into Hydrogen? Approaches to Decarbonization of the Heat Sector

**Julian P. Klug**, CEO, HYCON GmbH

### 14:30 Climate-Neutral Buildings Through Hydrogen Storage – Potentials and Limits

**Alexander Rychter**, Association Director VdW Rheinland Westfalen e.V.

**Tobias Hofmann**, Head of Neighborhood Consulting, Vonovia SE

# FUTURE FORUM | TUESDAY

May 23, 2023 10:00 – 17:00 Hall 4

## FUTURE ENERGY ECO SYSTEMS – DECENTRALIZED & DIGITAL INTO THE FUTURE

10:00 – 13:30

- 10:00 Discussion on the Topic: "Future Energy Systems"**  
**Alexander Nollau**, Head of Energy Department, DKE  
**Jörg Schmidtke**, Director Business Development, Vivavis GmbH  
**Moderation: Sebastian Kosslers**, Normungsmanager Energie, Leiter des VDE-Kompetenzzentrums Smart Grid, VDE
- 11:00 LamA-Connect: Integration of Smart Meter Gateways in Charging Station Networks**  
**Marc Schmid**, Research Associate, Fraunhofer IAO
- 11:30 How Will We Integrate Hydrogen into our Energy Systems?**  
**Andrea Appel**, Project Manager Hydrogen Development New Technologies and Services, VDE  
**Zorica Marijanovic**, Project Manager, Next Kraftwerke
- 12:00 Interoperability Network for the Energy Transition – Project IntNET**  
**Prof. Antonello Monti (Alberto Dognini)**, Institute for Automation of Complex Power Systems, RWTH Aachen and Fraunhofer Center for Digital Energy
- 12:30 The Future of Networks**  
**Frank Borchardt**, Digitization and Metering, Forum Network Technology/Network Operation, VDE (FNN)
- 13:00 Is the Future of Redispatch Decentralized? – Project DEER**  
**Prof. Dr. Jens Strüker**, Deputy Scientific Director Core Competence Center Finance & Information Management and Department of Business Informatics of the Fraunhofer FIT



PARTNER

# VDE

## FINANCING OF ENERGY TRANSITION PROJECTS

13:30 – 15:00

- 13:30** One hurdle that energy transition projects have to clear is a secure financing. Some models were presented in this block: In addition to Power Purchase Agreements (PPAs), there were reports from a project developer and a major bank.

## CHALLENGES FOR BUSINESS AND INDUSTRY DUE TO CURRENT GEOPOLITICAL DEVELOPMENTS

15:00 – 16:00

- 15:00** **Kerstin Andreae**, CEO, BDEW e.V.  
**Kerstin Maria Rippel**, CEO, WV Stahl  
**Achim Zerres**, Head of Energy Department, Federal Network Agency  
**Moderation: Roman Dudenhausen**, CEO, con|energy ag

## HAPPY FLEXIBILITY: HOW DECENTRALIZED STORAGES SUPPORTS GRID STABILITY

16:00 – 17:00

- 16:00 A Market Commentary on GB Battery Storage Expansion: Learning Points for the Rest of Europe**  
**Chris Regan**, Managing Director – Energy, Brady Technologies
- 16:30 Storage in Germany and Beyond - What Can We Learn from More Established Markets?**  
**Giovanni Sorda**, Senior Manager, Baringa  
**Sumit Joshi**, Senior Manager – Flexible Generation Baringa



# FUTURE FORUM | WEDNESDAY

May 24, 2023 | 10:00 – 17:00 | Hall 4

## USE GUARANTEES OF ORIGIN AS VALUE COMPONENTS!

10:00 – 11:30

10:00 Electricity from renewable energy sources has long since become a commodity in its own right. In addition to price advantages, renewable energies have become a central component of climate protection strategies in companies and industry. Guarantees of origin are already a value component, which could be used for the further expansion of renewables.



PARTNER

**dena**  
Deutsche Energie-Agentur

## LECTURE TRIATHLON ON "FIT FOR 55" – THE NEW FITNESS PROGRAM FOR EMISSIONS TRADING

11:30 – 12:30

- 11:30 **Welcome**  
**Dr. Jürgen Landgrebe**, Head of Department "Climate Protection, Energy, German Emissions Trading Authority (DEHSt)", Federal Environment Agency
- 11:35 **Presentation of DEHSt**  
**Jan Weiß**, Head of Department "Basic Economic Issues of Emissions Trading, Auctioning, Evaluations"
- 11:45 **Presentation by ICIS**  
**Florian Rothenberg**, Senior Analyst, EU Power & Carbon Markets
- 11:55 **Presentation by FutureCamp**  
**Dr. Roland Geres**, Managing Director, FutureCamp Holding GmbH
- 12:05 **Panel Discussion**  
**Final discussion with the audience and Q&A.**



PARTNER

**Umwelt Bundesamt**

**DEHSt**  
Deutsche Emissionshandelsstelle

## WHAT MARKET DESIGN SHOULD BE USED TO ENSURE FINANCING OF RENEWABLE ENERGY PROJECTS?

12:30 – 15:00

- 12:30 **Welcome**  
**Sven Rösner**, Managing Director, German-French Office for the Energy Transition (DFBEW)
- 12:40 **The European Electricity Market Design in the Context of Current Crises: Classification of the Proposals of the European Commission**  
**Dr. Anton Burger**, Vice President, Compass Lexecon
- 12:55 **EU Commission Proposals for Electricity Market Reform: Challenges and Perspectives for the Energy Transition in Germany**  
**Simon Behrens**, Speaker Energy Regulation, Bundesnetzagentur
- 13:10 **EU Commission Proposals for Electricity Market Reform: Challenges and Perspectives for the energy transition in France**  
**Benoît Esnault**, Head of the Border Interconnections Department and European Networks, French Energy Regulatory Agency (CRE)
- 13:25 **Q&A**
- 13:40 **Unrealized Potentials for Accelerating the Decarbonization of the Power System at the Market Level.**  
**Jens Perner**, Associate Director, Frontier Economics
- 13:55 **Energy Policy Target Triangle and Market Design – Concepts and Effects**  
**Sebastian Schleich**, Special Tasks/Non-Standardized Markets Officer, TransnetBW  
**Dr. Martin Iffert**, CEO, EP Energy Pool  
**Pietro Rabassi**, Executive Vice President – Western and Central Europe, Nord Pool  
**Torsten Kowalski**, Investments Regulatory Vice President, Energy Infrastructure Partners



PARTNER



Office franco-allemand pour la transition énergétique  
Deutsch-französisches Büro für die Energiewende

# FUTURE FORUM | WEDNESDAY & THURSDAY

May 24, 2023 10:00 – 17:00 Hall 4

## CLIMATE NEUTRALITY AT UTILITIES AND ENERGY SUPPLIERS

15:00 – 17:00

### 15:00 Municipal Utilities as Drivers of the Energy and Heat Transition

**Lorenz Wellmann**, Product Development, The Network Partners n.e.V.

### 15:30 Sustainability – What Energie Suppliers Need to Do in the Coming Years

**Sebastian Seier**, Head of the Competence Team Sustainability & Climate Protection, BET Büro für Energiewirtschaft und technical planning GmbH

### 16:00 Energy Living Labs

**Pierre Filohn**, Manager for Organizational Development and Communication, BABLE GmbH

### 16:30 Target and Transformation towards a Climate-Neutral Municipality. Obligation and Opportunity for Energy Suppliers.

**Carsten Diermann**, Authorized Signatory, Team Leader Energy & Heat, LBD-Beratungsgesellschaft mbH  
**Dan Tran**, Data Scientist at LBD-Beratungsgesellschaft mbH

May 25, 2023 10:00 – 15:00 Hall 4

## DATA ECONOMY AND INTEROPERABILITY FOR THE DIGITIZATION OF POWER GRIDS

10:00 – 11:30

In order to cope with the necessary grid expansion for the energy transition, the digitalization of the power grids is moving to the foreground. Digitization creates the urgently needed overview of energy consumption and generation as well as the state of the grid at all network levels and thus the prerequisite for targeted expansion measures. For exploiting the potential created by digitization, the individual digitized systems must be compatible with each other so that they can interact as seamlessly as possible.



PARTNER

**zvei**

electrifying  
ideas

## GREEN THINKING: HOW TO ACHIEVE NET ZERO?

11:30 – 13:30

### 11:30 More Than A Year of Energy Crisis – What Opportunities Must Be Seized Now?

**Dr. Bastien Girod**, Head of Climate Solutions, South Pole Deutschland GmbH

### 12:00 Net Zero: Between Myth and Reality

**Jonas Lepping**, Group Leader Climate Protection, ASEW

### 12:30 Continuous Methane Monitoring, Instant Leak Prevention, and Emissions Reduction Towards Net Zero Emissions

**Rüdiger König**, Executive Advisor, Energy Transition Solutions, JACOBS

### 13:00 Continuous Methane Monitoring, Instant Leak Prevention, and Emissions Reduction Towards Net Zero Emissions

**Ehsan Tavakoli**, Project Engineer at BlackForest Solutions and DEUS POLLUTRACK Smart City GmbH

## BI-DIRECTIONAL CHARGING: CAN EVS PAVE THE WAY TO A MORE FLEXIBLE ENERGY SYSTEM?

13:30 – 15:00

### 13:30 Bidirectional Electric Vehicles Enabling the Energy Transition

**Mathias Müller**, Head of Distribution Networks and Electromobility

### 14:00 The Unplugged Potential of Vehicle-to-Everything: How EVs Are Accelerating Decarbonisation

**Fabian Teichmueller**, Head of Global Partnerships, Kaluza

### 14:30 Electric Vehicles Balancing the European Grid Frequency

**Gabriella Edberg**, Head of Sales, Hiven Energy

# CHANGE FORUM | TUESDAY

May 23, 2023 10:00 – 17:00 Hall 5

## STARTUPS & CORPORATES: CHANGING THE ENERGY SYSTEM IN A COLLABORATIVE EFFORT

10:00 – 12:00

### 10:00 Welcoming and introduction

**Felix Krause**, General Partner, Vireo Ventures

### 10:20 Startup Pitches

- **Airteam Aerial Intelligence GmbH**, Thomas Bücheler, CEO
- **Caeli Wind GmbH**, Heiko Bartels, CEO
- **Circunomics GmbH**, Marius Vogt, Senior Business Development Manager & Product Owner
- **ECO2GROW UG**, Niklas Radermacher, Co-Founder & COO
- **EntriX**, Steffen Schülzchen, Founder & CEO
- **Green Fusion GmbH**, Nina Germanus, Managing Director & Co-Founder
- **Novocarbo GmbH**, Florin Milla, Head of Business Development
- **Point Twelve**, Flore de Durfort, CEO
- **suena GmbH**, Dr. Lennard Wilkening, Co-Founder & CEO and Tom Witter, Co-Founder & CTO
- **PipePredict GmbH**, Christopher Dörner, Co-Founder

## GET STARTED ENERGY NETWORK – THE NETWORKING PLATFORM FOR ENERGY STARTUPS

12:00 – 12:30

 PARTNER

**bitkom**

## THE ENERGY SYSTEM OF THE FUTURE AND THE DSO'S ROLE IN IT

12:30 – 13:30

### 12:30 Introduction & Moderation

**Dr. Oliver FRANZ**, VP European Association, E.ON and Chairman of the Distribution & Market Facilitation Committee, Eurelectric

### 13:50 PANEL

**Thomas Nowak**, Secretary General, European Heat Pump Association  
**Naomi Chevillard**, Head of Regulatory Affairs, Solar Power Europe  
**Arne Richters**, Head of Public Affairs & Communications, Allego  
**Henning Häder**, Public Policy Manager, Sustainable Transport EU, Amazon

### 14:10 Concluding remarks

**Dr. Oliver FRANZ**, VP European Association, E.ON and Head of Distribution & Market Facilitation Committee, Eurelectric



PARTNER

**eurelectric**

## POLITICAL EFFICIENCY TARGETS EVERYWHERE! DESIRE AND REALITY FOR ENERGY SUPPLIERS AND AND ENERGY SERVICES

13:30 – 15:00

"Energy efficiency as a business model" - with this mantra, energy service providers in particular have lobbied politicians for support in the past; they have been heard very little! With the already in the past year changed legal framework (e.g. omission of the EEG apportionment) the starting position for service offers was improved. Even in the current situation with partly existence-threatening high energy prices and legal measures for the lowering of the cost burden the saving of energy is the "order of the day". Exactly here energy efficiency becomes the key factor and by the legislator in nearly all political programs, promotion measures and legal regulations demanded!. In four keynotes and a subsequent panel discussion, the participants learned what these political efficiency requirements mean for energy supply companies and energy service providers.

## EMERGENCY! HOW TO CONFRONT THE ENERGY AND CLIMATE CRISIS WITH THE RIGHT NARRATIVE

15:00 – 17:00

### 15:00 Multi-Layered Storytelling for the Energy Transition: Individual Narratives instead of One-Fits-All Solutions

**Melanie Peschel**, Managing Director, Tracemaker

### 15:30 Positive Narratives in the Climate Crisis – Municipal Utilities

**Patrick Niehaves**, Project Manager Green Energy Products & Climate Protection, Association for the Economic Energy and Water Efficiency (ASEW)

### 16:00 Citizens' Dialogue on the Electricity Grid – Citizen Participation in the Power Grid Expansion

**Dr. Linda Marienfeld**, Citizens' Dialogue on the Power Grid

### 16:30 How the EU's Guarantees of Origin have the potential to build up consumers' trust in green energy!

**Henning Weltzien**, Associate Partner, x-markets consulting

# CHANGE FORUM | WEDNESDAY

May 24, 2023 10:00 – 17:00 Hall 5



## SWEDISH SUSTAINABILITY FORUM: EXPLORE THE PATH TO A GREENER, SMARTER AND MORE PRODUCTIVE FUTURE



10:00 – 11:30

At the Swedish Sustainability Forum, the participants got insights on Sweden's transition to a green economy and how Industry 4.0 is driving progress towards a more intelligent, efficient, and productive future. The Swedish Energy Agency is at the forefront of this movement, with the aim of establishing a sustainable energy system.



PARTNER



Tysk-Svenska Handelskammaren  
Deutsch-Schwedische Handelskammer



## GREEN SOLUTIONS FROM ICELAND, RANGING FROM GEOTHERMAL ENERGY TO INNOVATIVE ENERGY SOLUTIONS



11:30 – 12:30

Iceland uses renewable energy for 100% of its electricity production and 100% of house heating. In this session, several Icelandic energy companies reported on best practices in the use of renewable energies.



PARTNER

Green by  
**Iceland**



## DATA SECURITY IN THE ENERGY TRANSITION



12:30 – 13:00

With the digitization of our energy system, the topics of data protection and data security are also becoming increasingly important. How can the smart grid of the future be protected against attacks? What roles will the energy industry, the digital economy and politics play in this? And what technologies can help us do this?



PARTNER

**bitkom**



## I/O ENERGY TECH FORUM



13:00 – 19:00

The E-world.prototype.club offered CTOs, CDOs and CIOs as well as developers from startups and enterprises an exclusive conference format: **The I/O Energy Tech Forum!**

This format allowed the participants to network and exchange ideas – all with the goal of improving work in the tech and energy industry and staying informed about new trends and challenges. The participants met exciting minds, exchanged business ideas or even discussed potential collaborations or partnerships – all supported by a platform for networking & innovation sharing!

13:00 **Keynote I plus Q&A**

13:30 **Panel I | Smart Grid & AI – Is Efficient Energy Management Possible Without It?**

14:30 **Panel II | Technical Challenges in Integration Electric Cars Into the Energy System**

15:30 **Panel III | Critical Infrastructures (KRITIS) vs. Open Data – A Technical Balancing Act or Optimization Potential?**

16:30 **EWPC Panel | Are Startups the Better Management Consultants? Presentation and Award Ceremony**  
Presented by E-world.prototype.club

17:30 **Energy Tech Night**  
Casual networking with DJ, drinks and appetizers



PARTNER

**E-world PROTOTYPE CLUB**



# CHANGE FORUM | THURSDAY

May 25, 2023 | 10:00 – 15:00 | Hall 5

ON THURSDAY, MAY 25, THE CAREER FORUM TOOK PLACE HERE (9:30 – 11:30), S. PAGE 75

## → HOW DO WE CREATE THE PATH TO CLIMATE NEUTRALITY IN EUROPE?

🕒 11:30 – 12:30

11:30 **enPower – The Energy Transition Podcast**  
Live recording with **Frauke Thies**, Managing Director, Agora Energiewende

The energy transition is essential for an environmentally friendly and economically successful future of Europe. But what changes need to be made so that we can to implement the energy transition in Europe even faster? How can we promote the expansion of renewable energies in Europe and what is the current status of the decarbonization of industry? These and further questions were discussed by Dr. Markus Fritz and Dr. Julius Wesche in a live recording of the enPower podcast with the director of Agora Energiewende Frauke Thies.

## → NEW WAYS OF WORKING

🕒 12:30 – 13:30

12:30 **Agile Utilities – Three Examples of How Agile Working in Processes, Projects and in Product Development Can Be Used by Energy Suppliers to Create Value**  
**Georgis Tesfamariam**, Managing Director, Contio GmbH

13:00 **Participation Instead of Silo Thinking – Integrated Management in the Digital Municipal Utility**  
**Reinhard Bretzke**, Head of Energy Generation, Stadtwerke Kempen GmbH  
**Michael Schottner**, Municipal Utility Kempen GmbH  
**Björn Wyrich**, Solutions Architect, orgavision GmbH

## → ENERGY STORAGE: TECHNOLOGIES OF FLEXIBILITY SUPPORT OF THE POWER SYSTEM

🕒 12:30 – 13:30

12:30 **Stationary Energy Storage – An Overview of Technologies, Applications and Potential Markets**

**László Eifert**, Team Lead Energy Storage Systems, umlaut energy GmbH / Accenture GmbH

13:00 **Grid Connection as a Hurdle for Large-Scale Battery Storage Systems - Experiences and Solutions**

**Benedikt Deuchert**, Head of Business Development and Regulatory Affairs, Kyon Energy Finance GmbH

**Strengthening Power Grid Stability Through the Use of Energy Storage and Sector Coupling (P2X)**

**Malte Berghaus**, Vice President Grids, TÜV Nord

# CAREER FORUM | THURSDAY

📅 May 25, 2023 | ⌚ 09:30 – 14:30 | 📍 Change Forum | Hall 5

The Career Forum at E-world brought the participants together with exciting companies and the right contact persons. They got to know new potential employers and exchanged ideas with recruiters about career opportunities in the energy industry. This year for the first time, all career levels had the opportunity to gain valuable insights into the working environment and culture of the participating companies and to get into conversation.

Furthermore, even before the trade fair started, the participants could easily make contacts. They took part in our matchmaking and were approached by interested employers. If they found a suitable match, they got to know each other in person on the third day of the fair at E-world.

The career forum offered a platform to discover uncomplicatedly new companies, to get rid of open questions and to convince in direct conversation. It was rounded off by an informative live program. At the Change Forum in Hall 5, selected companies presented themselves and young professionals shared their experiences in the energy industry.

## YOUR ADVANTAGES:

- Direct contact with Recruiters & HR Managers
- Informal, personal meeting
- Insights into the corporate culture
- Valuable practical experience reports



⌚ 09:30 – 14:30

### 09:30 Welcome by the Moderator

**Christian Haag**, Managing Director, H+H Architekten und Ingenieure GmbH

### 09:35 Young Professional Keynote

**Joelle Juergensen**, Corporate Account Manager - Climate Solutions, STX Group

### 10:00 Presentation Premium Partner + Panel Discussion

**Michelle Sauer**, Human Resources Management, Trianel GmbH

**Andreas Weichenberger**, Product Owner, Volue

**Matthias Lange**, Managing Director, energy & meteo systems gmbh

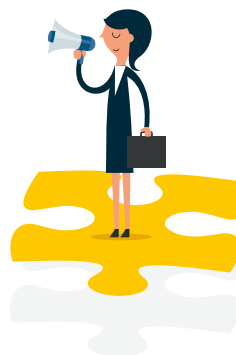
**Nina Duske**, Authorized Signatory, Head of Human Resources, LBD-Beratungsgesellschaft mbH

**Jens Schumacher**, Managing Partner - Climate Solutions, STX Group

**Antje Papenberg**, Head of HR, GETEC ENERGIE GmbH

**Hüseyin Kazanc**, Managing Director, FairConsult 24|7 GmbH

### 11:30 Meeting at the Companies' Booths/Speed-Dating



# NEW ENERGY SYSTEMS FORUM | TUESDAY

May 23, 2023 10:00 – 17:00 Hall 1

<p>→</p> <p>🕒 10:00 – 13:00</p>	<p><b>EEX GROUP'S SECURE, SUCCESSFUL AND SUSTAINABLE SOLUTIONS FOR WORLDWIDE COMMODITY MARKETS</b></p>	<p>→</p> <p>🕒 13:00 – 15:00</p>	<p><b>CARBON CAPTURE: A SIMPLE PATH TO CLIMATE NEUTRALITY?</b></p>
<p>10:00</p>	<p><b>Future Electricity Market Design: How Shall it Look Like and How Do We Get There?</b></p> <ul style="list-style-type: none"> <li>• What Is the Status of the Current Debate on EU-Level?</li> <li>• What is the Status of the Current Debate on German Level?</li> <li>• What Does the Electricity Market Design Need to Be Future-Proof?</li> </ul> <p><b>Lisa Marie Wolf</b>, Senior Strategy Analyst, EEX  <b>Jan Eustachi</b>, Political &amp; Regulatory Affairs Officer EEX  <b>Daniel Wragge</b>, Director Political &amp; Regulatory Affairs EEX</p>	<p>13:00 <b>CCS – A Country Comparison</b>  <b>Arne Müller</b>, Project Manager, Bellona Deutschland GmbH</p> <p>13:30 <b>PANEL: CCS- A COUNTRY COMPARISON- BEST PRACTICE FOR GERMANY AS AN INDUSTRIAL LOCATION</b>  <b>Arne Müller</b>, Project Manager, Bellona  <b>Sarah Endres</b>, Project Manager Corporate Development, EEW  <b>Dr. Georg Kobiela</b>, Industrial Transformation Officer, Germanwatch  <b>Moderation: Michaela Koschak</b>, Moderator and Meteorologist, MDR</p>	
<p>11:00</p>	<p><b>New Products and Initiatives: How EEX Group Develops Its Markets in Line with the Market Demand</b></p> <ul style="list-style-type: none"> <li>• Between Crisis and Restart: The EEX Gas Markets in 2023  <b>Tim Greenwood</b>, <b>Aude Filippi</b>, <b>Peter Blogg</b>, <b>Anje Stiers</b> (EEX) &amp; <b>Miriam Brandes</b> (Statkraft Markets GmbH)</li> <li>• EEX Japan Power – Trends and Dynamics of a Fastgrowing Market  <b>Steffen Riediger</b>, Director Business Development Power &amp; Global Commodity Markets, EEX</li> <li>• What's Next at EEX Group – Insights into New Products and Services  <b>Steffen Riediger</b>, Director Business Development Power &amp; Global Commodity Markets, EEX</li> </ul>	<p>14:30 <b>CCS and Biomethane: How Negative Emissions Can Be Efficiently Possible</b>  <b>Zoltan Elek</b>, Managing Director, Landwärme</p> <p>→</p> <p>🕒 15:00 – 16:00</p> <p>15:00 <b>AI IDENTIFIES NON RECORDED COUNTING POINTS AND THUS CLOSSES GAPS IN THE VALUE CREATION</b>  <b>Michael Hartke</b>, Managing Director, clarifydata</p> <p>→</p> <p>🕒 16:00 – 17:00</p>	
<p>12:00</p>	<p><b>Driving Change: How Hydrogen, GOs and PPAs Can Contribute to a Cleaner Future</b></p> <ul style="list-style-type: none"> <li>• Pan-European GOs Auctions – Boosting Market Development for the Energy Transition  <b>Philippe Vassilopoulos</b>, Director Of Product Development, EPEX</li> <li>• PPAs and Long-Term Hedging after the Crisis – What Is the Outlook?  <b>Viviana Ciancibello</b>, Senior Business Developer, Power Derivatives, EEX</li> <li>• Hydrogen - Transparency is Key: HYDRIX, the First Market-Based Index for Hydrogen  <b>Sirko Beidatsch</b>, Natural Gas Markets, EEX</li> </ul>	<p>16:00 <b>Presentation of the Breadth of the Funding Program Elektro-Mobil</b>  <b>Michael Blohm</b>, BMWK, <b>Lars Ostendorf</b>, BF,          Accompanying research of the funding program Elektro-Mobil of the Federal Ministry of Economics and Climate Protection</p> <p>16:15 <b>"unIT-e<sup>2</sup>: Lead Project for Interdisciplinary Collaboration and Innovation Between Electromobility and Energy System"</b>  <b>Dr.-Ing. Simon Köppl</b>, Head of Living Labs and Electromobility  <b>Michael Hinterstocker</b>, Head of Digitalization and Modeling, Forschungsstelle für Energiewirtschaft e. V. und Forschungsgesellschaft für Energiewirtschaft mbH (FFE)</p> <p>16:30 <b>Project ARNi – Application Rule Network Integration with Market and Customer Interests</b>  <b>Peter Kellendonk</b> and <b>Annikе Abromeit</b>, EEBus Initiative e.V.</p>	
<p>🤝</p>	<p><b>PARTNER</b></p> <p><b>eex</b></p>	<p>16:45 <b>Projekt Banula – Use of the Blockchain for a Charging Process Oriented Electricity Balancing in the Energy Industry</b>  <b>Marc Schmid</b>, Fraunhofer Institute for Industrial Engineering IAO</p>	

# NEW ENERGY SYSTEMS FORUM | WEDNESDAY

May 24, 2023 10:00 – 17:00 Hall 1

## → HYDROGEN AS A KEY FACTOR ON THE ROAD TO CLIMATE NEUTRALITY

🕒 10:00 – 12:00

### 10:00 Welcoming and introduction

**Annkathrin Rabe**, Member of the Young Energy Professionals, World Energy Council - Germany

### 10:05 Impulse Statement

**Dr. Uwe Franke**, President, World Energy Council - Germany

### 10:35 Start-up Pitches

**Maren Preuß**, Manager Public Affairs, Sunfire GmbH  
**Marcus Rübsam, Founder**, CibusCell Technology GmbH  
**Gulnaz Badaeva**, Project Manager, HH2E AG  
**Dr. Doris Hafenbradl**, CTO und Managing Director, Electrochaea GmbH  
**Jon Dyar Boles**, Chief Investment Officer, Electrochaea GmbH  
**Dr. Schwan Hosseiny**, CEO, CENmat

### 11:05 Moderated Discussion

### 11:55 Wrap-up

**Annkathrin Rabe**, Member of the Young Energy Professionals, World Energy Council - Germany

## → THE SMART METER ROLL-OUT IN EUROPE – A SUCCESS STORY?

🕒 12:00 – 13:30

12:00 **Tomás Llobet**, Managing Director, ESMIG  
**Luis Goncalves**, CEO of Iskraemeco and ESMIG President

### 12:05 Keynote

**Luis Goncalves**, CEO of Iskraemeco and ESMIG President

### 12:15 The State of Play of Smart Meter Rollouts in Europe

**Tomás Llobet**, Managing Director, ESMIG  
**Vladan Lapcevic**, CEO, Meter & Control  
**Michal Mika**, Executive Head, Logarex  
**Michael Bratovz**, Vice President Sales Europe, Iskraemeco

### 12:45 The Untapped Benefits of Smart Metering

**Henrik Ostermann**, Business Development Lead Utilities, SAP  
**René Böhringer**, CEO, Cuculus  
**Michael Jary**, International Managing Director, Sense

### 13:15 Conclusions: Wrap-up & Outlook for Germany

**Thomas Weisshaupt**, Managing Director Germany, Wirepas  
**Luis Goncalves**, CEO, Iskraemeco and ESMIG President



PARTNER



## → DECARBONISATION AND VIABILITY OF THE (DISTRICT) HEATING SUPPLY

🕒 13:30 – 14:30

### 13:30 Heating Market and CHP - How Can Decarbonization Succeed in Germany?

**Katja Rösch**, Consultant - Associate Partner, Rödl & Partner

### 13:50 How Optimally Is your District set up in Heating Supply - Outlook (District Beating) Benchmarking

**Andreas Schwaiger**, Consultant - Project Manager District Heating Benchmarking, Rödl & Partner

### 14:10 Your Way to the Transformation of District Heating

**Daniel Batschkus**, Consultant - Senior Associate, Rödl & Partner

## → INTEGRATION OF RENEWABLES INTO THE ELECTRICITY SYSTEM

🕒 14:30 – 15:30

How can more green electricity be fed into the grid? Does this require a new electricity market design? And what technical prerequisites are necessary? This block discussed these and other questions.

## → HOW TO LORAWAN: ENERGY EFFICIENCY THROUGH SMART SENSOR TECHNOLOGY

🕒 15:30 – 17:00

### 15:30 Digital Infrastructure and Applications for Smart Cities

**Michael Kliebenschedel**, Sales Manager for Energy Services, Mainova  
**Christian Borg-Krebs**, Head of Business Development Smart City, Mainova

### 16:00 Smart Municipalities and Companies - Consumption Transparency and Cost Reduction with LoRaWAN® and Sensors

**Veronika Rüb**, Manager Service, Netze BW

### 16:30 From the Field - Energy Management in the Digitalized Building

**Jan Bose**, Managing Director, Alpha-Omega Technology



# NEW ENERGY SYSTEMS FORUM | THURSDAY

📅 May 25, 2023

🕒 10:00 – 15:00

📍 Hall 1

## ➡ BUILDING THE FUTURE OF CLIMATE NEUTRALITY

🕒 10:00 – 12:00

- 10:00 **Tenant Electricity - When Will The Breakthrough Come?**  
Ernesto Garnier, CEO, EINHUNDERT Energie  
Christopher Neumann, Managing Director, prosumergy  
Anja Burde, Managing Director, Solarimo
- 10:30 **Data Transparency & Management Halves CO<sub>2</sub> Emissions of Large Buildings in a Few Years**  
Dr. Georg Riegel, CEO, deZem
- 11:00 **Power Heat Pump - Operation of Mini CHP with a Heat Pump**  
Cord Müller, Managing Director, EC POWER
- 11:30 **Municipal Heat (Grid) Planning - Challenges and Best-Practice Approaches from the Implementation**  
Britta Kleinertz, Head of Heat Transformation, FfE

## ➡ BUSINESS CASES FOR BATTERY STORAGE: HOW BIG IS THE MARKET?

🕒 12:00 – 13:00

- 12:00 **Building the Business Case for Battery Storage**  
Charlotte Johnson, Global Head of Markets, KrakenFlex
- 12:30 **Empowering Batteries by Cloud Monitoring: Enhance Safety and Performance**  
Georg Angenendt, CTO, ACCURE Battery Intelligence

## ➡ JOIN FORCES: HOW POWER TO X HELPS INTEGRATING RENEWABLES

🕒 13:00 – 14:00

- 13:00 **P2X, This Is How It Works! Economic and Technical Design and Analysis of Power2X**  
Thomas Kalkowski, EMD
- 13:30 **Best Practice Sector Coupling: Shaping the H<sub>2</sub> Value Chain, Illustrated on an HRS Example from Gießen**  
Marcel Corneille, Managing Director, EMCEL

## ➡ SUSTAINABILITY THROUGH SMART DATA ANALYSIS: MEETING ESG CRITERIA

🕒 14:00 – 14:30

- 14:30 **Sustainalytics: Green (Data) Solutions for Green Figures**  
Markus Salomon, Principal Management Consultant, Adastra

# Business Speed-Dates

The Business Speed-Dates enabled the visitors to find the right contact for their project ideas in 8 minutes.





# Business Speed-Dates

## E-WORLD BUSINESS SPEED-DATES

📍 Speed-Dating Area, Hall 5, Booth 836

Finding exactly the right contact in 8 minutes – made possible by the Business Speed-Dates at E-world. For the sixth year and bundled at the Speed-Dating Area in Hall 5, we specifically connected founders, startups and scientists with investors. Young companies, thought leaders and research institutions had the opportunity to inspire investors and other stakeholders about their concept and to initiate cooperations. In 2023, the participants could exchange on the following topics: Municipal Heat Planning, Solutions for a Sustainable Future, Energy Startups & SMEs, Service Providers & Companies, Hydrogen, Female Founders & Investors, Renewable Energy Procurement, Human Friendly Automation and Decarbonization of the Industry. The registration and assignment of the interlocutors was done via the E-world Community.

## MUNICIPAL HEAT PLANNING AS AN OPPORTUNITY FOR MUNICIPAL UTILITIES

📅 May 23 | ⌚ 11:00 am

This Open Space-event brought together employees of municipal utilities to exchange ideas on municipal heat planning. Together with a dynamic group of experts, valuable experience has been shared and future tasks of a heat plan were identified.

Program partner: Tracemaker, sbc soptim business consult GmbH, Gas- und Wärme-Institut Essen e.V.

## SOLUTIONS FOR A SUSTAINABLE FUTURE

📅 May 23 | ⌚ 12:30 pm

As opening, the GIZ presented their Exchange Program which deploys German utility experts in Asia in order to work on projects in the fields of energy efficiency, grids or electromobility. Afterwards, the participants exchanged about forward-looking technologies for the energy industry, in line with the motto "Solutions for a Sustainable Future".

Program partner: German Agency for International Cooperation (GIZ)

## NETWORKING & IMPULSES FROM ENERGY STARTUPS/SMES

📅 May 23 | ⌚ 2:00 pm

In order to face the energy crisis, innovative startups from Europe shared ideas and solutions for the energy sector. The participants met companies and important network initiatives from North Rhine-Westphalia and discussed collaboration projects.

Program partner: Center for Innovation and Technology (ZENIT), Enterprise Europe Network (EEN)



## REVERSE PITCHING: SERVICE PROVIDERS & COMPANY SPEED-DATING

📅 May 23, 2023 | ⌚ 3:30 pm

This event addressed to startups, SMEs or large corporations which were either looking for new service providers or offering energy services. The participants presented their challenges from all areas of the energy industry and defined their needs or offerings.

Program partner: E-world Prototype Club



# Business Speed-Dates

## FEMALE FOUNDERS & INVESTORS

📅 May 24 | 🕒 1:00 pm

Following the invitation of SET Hub Dena, numerous female founders and investors reported on their experiences and set impulses, which were taken up by stakeholders from the energy and start-up ecosystem during the Speed-Dating sessions.

Program partner: SET Hub Dena



## DAY OF CONSULATES BUSINESS SPEED-DATING

📅 May 24 | 🕒 2:30 pm

During the Business Speed-Dating at the Day of Consulates – an exclusive networking event for representatives from Ambassies, Consulates and Business Development Agencies – the participants exchanged about international project ideas and cooperations in the energy sector.

## ENERGY PROCUREMENT IN A RENEWABLE MARKET

📅 May 24 | 🕒 4:00 pm

Renewables have a growing market share and their expansion continues. With larger available capacities, new forms of procurement in the renewable energy market such as virtual power

plants, PPAs and P2P-trading have developed. In this session, the participants got in contact with new partners and exchanged on projects, strategies and business cases in this field.

## HUMAN FRIENDLY AUTOMATION: GOLD STANDARD FOR THE IMPLEMENTATION OF CHATGPT, BOTS & CLOUD?!

📅 May 25 | 🕒 10:30 am

Digital automation and AI are increasingly making their way into the various areas of energy companies and are often intended to address the shortage of skilled workers. In a Key-note, the role of Human Friendly Automation as a new, interdisciplinary design for implementing AI, bots & cloud was presented. In the subsequent Speed-Dating, the participants dived deeper into this innovative topic.

Program partner: IBM Germany.

## DECARBONIZING THE INDUSTRY

📅 May 25 | 🕒 12:00 am

In this session, the participants exchanged views on the opportunities and challenges of decarbonizing the energy industry on the path to climate neutrality.



# CONTACT

WE ARE LOOKING FORWARD TO YOUR INQUIRIES

## E-WORLD ENERGY & WATER GMBH

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