



Programme and Registration

Powering Tomorrow – Innovative Technologies for a Future Energy System 2026



Dortmund | Germany
24 and 25 March 2026



Programme | 24 March 2026

Start Presentation

09:30 Welcome

*vgbe energy e.V., Essen, Germany –
Sebastian Zimmerling*

09:40 Keynote

*Uniper SE, Düsseldorf, Germany –
Arne Hauner*

10:05 The Role of Flexibility and Digitalization in Energy System Transformation

*TU Dortmund University, Dortmund, Germany –
Prof. Dr.-Ing. Christian Rehtanz*

10:30 A Fleet of Synchronous Condensers for a Resilient and Reliable Power System:
the Italian Case

*Ansaldo Energia SpA, Genova, Italy –
Marco Cioffi*

10:55 Coffee Break

11:30 Geospatial Analysis of Regional Electricity Generation, Demand, and Exchange

*Gas- und Wärme-Institut Essen e.V., Essen, Germany –
Annika Heyer*

All details are subject to change without notice.



Programme and Registration

Powering Tomorrow – Innovative Technologies for a Future Energy System 2026



Dortmund | Germany
24 and 25 March 2026



Programme | 24 March 2026

Start Presentation

-
- 11:55 AI-Driven Market Intelligence for Clean Energy:
How *H2 Digital* Transforms Infrastructure Development in Europe Exchange
*H2 Digital GmbH, Essen, Germany –
David Schwarz*
-
- 12:20 Bridging the Gap – Matching Industrial Demand with On-Site Electrolysis in Germany
*Nefino GmbH, Hannover, Germany –
Jonas Berndmeyer*
-
- 12:45 Lunch Break
-
- 13:45 Hydrogen as a Key Driver for
Decarbonizing Energy-Intensive Industries and Power Generation
*DVGW e.V. [German Technical and Scientific Association for Gas and Water], Bonn, Germany –
Dr. Paschalis Grammenoudis*
-
- 14:10 Renewable Hydrogen Production in Comparison to Willingness to Pay
in the Consumer Sectors
*BBH Consulting AG, Köln, Germany –
David Siegler*
-

All details are subject to change without notice.



Programme and Registration

Powering Tomorrow – Innovative Technologies for a Future Energy System 2026



Dortmund | Germany
24 and 25 March 2026



Programme | 24 March 2026

Start Presentation

14:35 H2 Activities @vgbe energy e.V.

*vgbe energy e.V., Essen, Germany –
Sebastian Zimmerling, Dr. Christian Ullrich*

15:00 Coffee Break

15:30 Walk to the TU Dortmund laboratories

16:00 Labor Visits

1. Protection and Automation Lab
2. Smart Grid Technology Lab
3. High-pressure Hydrogen Autoclave for Material Testing

17:00 Walk to the DASA

17:30 Dinner & Guided Tour at DASA Working World Exhibition

–
20:00

All details are subject to change without notice.



Programme and Registration

Powering Tomorrow – Innovative Technologies for a Future Energy System 2026



Dortmund | Germany
24 and 25 March 2026



Programme | 25 March 2026

Start Presentation

09:00 Health & Safety in Future's Energy Landscape

*vgbe energy e.V., Essen, Germany –
Dr. Gregor Lipinski, Dr. Lukas Biesen*

09:25 Safety and Health on Power Plant Sites: Concepts for a Sustainable Future

*STEAG Power GmbH, Essen, Germany –
Dr. Jens Reich*

09:50 Realizing a BESS in Germany with Grid Serving Inverters

*Schoenergie GmbH, Föhren, Germany –
Volker Schöller*

10:15 Automated PV-Module Inspection

*EnBW Energie Baden-Württemberg AG., Stuttgart, Germany –
Timo Freund*

10:40 Coffee Break

11:10 Comparison of Large-Scale Power to Gas to Power in Germany vs. Power Generation with H2 fired CCGT via Imported, Cracked Ammonia or CCGT-CCS

*Mitsubishi Heavy Industries EMEA Ltd., Düsseldorf, Germany –
Dr. Torsten Buddenberg*

11:35 Technology platform for Power-to-Liquid Fuels in Leuna /
Integration of Database-based Tools for Structured Documentation
and Digital Process Support

*Griesemann Engineering GmbH & Co. KG, Leipzig/Marl, Germany –
Gert Särens*



Programme and Registration

Powering Tomorrow – Innovative Technologies for a Future Energy System 2026



Dortmund | Germany
24 and 25 March 2026



All details are subject to change without notice.

Programme | 25 March 2026

Start Presentation

12:00 Natural Refrigerants vs. Synthetic Refrigerants
in the Use of Large-Scale Steam Generating Heat Pumps for Industrial Use

Mitsubishi Heavy Industries EMEA Ltd., Düsseldorf, Germany –

Dr. Torsten Buddenberg

12:25 N.N.

N.N. –

N.N.

12:50 Closing Remarks

vgbe energy e.V., Essen, Germany –

Sebastian Zimmerling

13:00 Lunch and Informal Exchange

–

15:00

All details are subject to change without notice.