

CONFERENCE

vehicle-2- Grid

APRIL 2-3, 2025 IN AACHEN

INTERNATIONAL CONFERENCE



vehicle-2-grid.eu

VEHICLE-TO-GRID, VEHICLE-TO-HOME AND SMART CHARGING

Integration of new flexibilities
into the energy markets

Partner and Organizer:



FB010/41763



WELCOME

Electric vehicle batteries can do more than just move cars! From an economic and ecological perspective, it makes sense to use electric vehicle batteries for use cases like self-consumption, peak shaving, and grid stabilisation in the future. By 2030, there could already be a controllable mobile energy storage potential of about one terawatt-hour in Germany alone, which is far more than the energy storage capacity of all current storage types combined.

The international conference **Vehicle-to-Grid, Vehicle-to-Home and Smart Charging** highlights innovative technologies for accelerating the energy transition. It will discuss solutions for the integration of energy industry assets into electricity trading, the provision of balancing power and coordination with grid operators. With contributions from vehicle construction, charging infrastructure, energy trading and more, the conference will show how the potential of electromobility can be utilised to market maturity.

If you attend the conference, you can also visit all the events of the Battery Conference 2025, which is taking place at the same time, free of charge.

CONFERENCE CHAIRS



Dr. Christopher Hecht

Data Scientist, RWTH Aachen | ISEA



Dr. Jan Figgner

Senior Battery Expert, ACCURE Battery Intelligence; RWTH Aachen | ISEA

For more information and an overview of all speakers, please visit our website:

vehicle-2-grid.eu

AGENDA



DAY 1

09:00 Welcome / Introduction / Keynote

Dr. Christopher Hecht and Dr. Jan Figgenger

09:15 Keynote

EVs and flexibility – current and future adoption

Madeleine Brolly / BloombergNEF

09:45 Break / Poster Session / Exhibition

SESSION VEHICLES

Host: Dr. Stefanie Wolff / German Association of the Automotive Industry (VDA)

10:05 Introduction

Dr. Stefanie Wolff

10:15 Efficiency first: Building power electronics for V2H

Daniel Makus / Infineon Technologies AG

10:35 Bidirectional charging – potential and current status

Frank Spennemann / Mercedes-Benz Mobility

10:55 Understanding battery aging in electric vehicles and V2G scenarios

Dr. Matthias Kuipers / ACCURE Battery Intelligence GmbH

11:15 Challenges and Opportunities to Battery in Vehicle-to-Grid and Designing Cells to Accelerate the Transition

Luke Hu / Electroder GmbH

11:35 Final discussion Session 1

11:55 Lunch Break / Poster Session / Exhibition

SESSION SYSTEM INTEGRATION

Host: Dr. Johanna Bronisch / UnternehmerTUM

12:55 Introduction

Dr. Johanna Bronisch

13:05 Electric vehicles in energy markets – a multi-market strategy in practice

Andreas Kaae / Clever

13:25 How to scale up V2G in Europe ?

Quentin Maitre / DREEV EDF Group

13:45 Learnings of operating smart charging at a large scale. Best practices and blueprints for the future.

Serge Subiron / Jedlix – Smart Charging

14:05 The practical aspects of realization of an interoperable CCS V2G solution

Dr. Xi Zhang / scale-up company EcoG



14:25 Final discussion Session 2

14:45 Break / Poster Session / Exhibition

SESSION REAL-WORLD PROJECTS

Host: Marian Willuhn / pv magazine group GmbH & Co. KG

15:05 Introduction

Marian Willuhn

15:10 The rollout of 500 bidirectional shared Renault 5's in Utrecht, First lessons from the first cars in operation

Robin Berg / We Drive Solar

15:30 Why the World Needs Interoperability of Bidirectional Charging.

Marco Piffaretti / Task53 by EV-TCP | IEA

15:50 BDL Next – Unlocking the potential of bidirectional charging. Customer validation of V2H and V2G use cases.

Dr. Jens Berger / BMW Group

Alexander Gaytandjiev / E.ON impulse GmbH

16:10 Experiences from over a decade of field tests

Dr. Patrick Vollmuth / FFE

16:20 How Smart Energy can deliver a great V2G customer experience – First customer experience of a V2H system

Markus Hackmann / P3 automotive GmbH

16:40 Final discussion Session 3

17:00 Dialogue and Discussion / Information about the joint Evening Event

Dr. Christopher Hecht and Dr. Jan Figgenger

19:00 Evening Event with the participants of the Advanced Battery Power conference

Coronation Hall of Aachen City Hall



DAY 2

09:00 Introduction

Dr. Christopher Hecht and Dr. Jan Figgener

09:10 Opening Talk

Real-world experience from a V2G fleet in the UK

Dr. Jussi Palola / Virta Global

SESSION SMART & DYNAMIC TARIFFS

Host: Dr. Sylvie Römer / ChargeHere GmbH

09:30 Introduction

Dr. Sylvie Römer

09:40 Octopus Power Pack: How Vehicle-to-Grid can remove car charging costs altogether

Dr. Michael Evans / Octopus Energy

10:00 Practical implementation of flexibility –

From Value proposition to steering aggregated fleets

Daniel Mata Renteria / Tibber Deutschland GmbH

10:20 V2G as key enabler for flexibility: Experience from the first commercial product globally

Marcus Fendt / The Mobility House

10:40 Smart and bidirectional EV tariffs and services in Europe: Growing consumer choice and benefits

Jaap Burger / Regulatory Assistance Project (RAP)

11:00 Final discussion Session 4

11:20 Break / Exhibition

SESSION CHARGING INFRASTRUCTURE

Host: Dr. Christopher Hecht / RWTH Aachen University | ISEA

11:35 Introduction

Dr. Christopher Hecht



- 11:45 Experiences from creating interoperability with numerous vehicles**
Kai Fieber / AMBIBOX GmbH
- 12:05 Enabling grid and energy management with charging infrastructure**
Dr. Stephan Hell / Compleo Charging Solutions
- 12:25 Final discussion Session 5**
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- 12:45 Lunch Break / Poster Session / Exhibition**
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SESSION GRIDS AND DATA

Host: Anica Mertins / Nationale Leitstelle Ladeinfrastruktur / NOW GmbH

- 13:45 Introduction**
Anica Mertins
- 13:55 The role of smart meters and how to deploy them**
Tina Hadler / Theben Smart Energy
- 14:15 Connecting flexibilities in homes and buildings through an alliance**
Jozsef Farkas / Energy Hub Alliance
- 14:35 V2G and smart charging from the perspective of a TSO**
Mees Muller / TenneT Holding B.V.
- 14:55 Data points, roles, interfaces for a european level playing field for bidirectional charging**
Christoffer Enggaard / Energinet
- 15:15 Challenges of international regulation and standardization for bidirectional charging and best practices**
Dr. Sebastian Bothor /
Intelligent Energy System Services GmbH
- 15:35 Final discussion Session 6**
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- 15:55 Farewell and Outlook 2026**
Dr. Christopher Hecht and Dr. Jan Figgenger
- 16:00 End of conference**

SESSION CHAIRS

Dr. Stefanie Wolff

German Association of the Automotive Industry (VDA)

Vehicles

Dr. Johanna Bronisch

UnternehmerTUM

System Integration

Marian Willuhn

pv magazine group GmbH & Co. KG

Real-world projects

Dr. Sylvie Römer

ChargeHere GmbH

Smart & Dynamic tariffs

Dr. Christopher Hecht

RWTH Aachen University | ISEA

Introduction / Charging Infrastructure

Anica Mertins

Nationale Leitstelle Ladeinfrastruktur / NOW GmbH

Grids and Data

EXHIBITION

The trade exhibition of the Vehicle-2-Grid event forms a centrepiece of the conference. In the direct vicinity of the lecture hall, participants can find out about products and developments related to the topic and network directly with the exhibitors. All exhibitors will also be presented online on vehicle-2-grid.eu.

PRICES AND CONDITIONS

Category	Price in Euro
Participation fee	€ 1465.00
University members (also employed and graduate students*)	€ 645.00
Students (up to Master's degree*)	€ 645.00
Participation fee online	€ 1095.00
University members online (also employed and graduate students*)	€ 645.00
Students online (up to Master's degree*)	€ 645.00

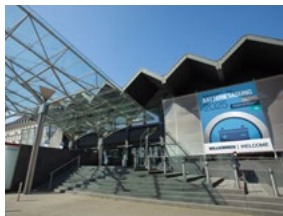
*Proof required



Registration on

www.vehicle-2-grid.eu/en/binding-booking

VENUE A part of the Battery Conference



Location

Eurogress Aachen

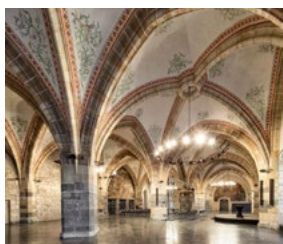
Monheimsallee 48

52062 Aachen / Germany

www.eurogress-aachen.de

EVENING RECEPTION

The evening event will take place at the **Coronation Hall**.



Location

City Hall Aachen,

Markt,

52062 Aachen / Germany

**Start of the evening reception
and the catering at 19:00.**

MEDIA PARTNERS

pv magazine group

electrive

BETTERE

CHARGED
ELECTRIC VEHICLES MAGAZINE

HANSE
automotive

Wissenschaftliche Begleitung
**SYSTEMINTEGRATION
BATTERIE**



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