



# Agenda

## TWO PART WORKSHOP ON ENERGY STORAGE CONCEPTS

## SHORT-TERM FLEXIBILITY PROVISION VIA ELECTRIC VEHICLES

KOREAN-GERMAN ENERGY PARTNERSHIP

NEW GREEN ENERGY TECHNOLOGY WORKING GROUP

**30<sup>th</sup> and 31<sup>st</sup> August 2023, 09:00 – 11:00h CET / 16:00 – 18:00h KST**

**Venue:** Online via Zoom

**Registration:** [https://adelphi.zoom.us/webinar/register/WN\\_qtNk7jDLTwaqKx\\_yqeMATQ](https://adelphi.zoom.us/webinar/register/WN_qtNk7jDLTwaqKx_yqeMATQ)

**Language:** German – Korean (simultaneous translation)

**Moderation:**

Jana Narita, Senior Manager, Korean-German Energy Partnership Team, adelphi (Day 1/2) / Sean Sangjoo Baek, Team Manager/Principal Researcher, International Cooperation Division Korea Institute of Energy Technology Evolution and Planning (KETEP) (Day 2)

### Day 1: Policy Overview and Panel Discussion

Time (CET/KST)

**09:00 – 09:10**

**Welcome and Opening Remarks**

16:00 – 16:10

*Hoje Woo, Senior Vice President Head of Trade Services, Korean German Chamber of Commerce and Industry (KGCCI)*

*Jana Narita, Senior Manager, Korean-German Energy Partnership Team, adelphi*

**09:10 – 09:25**

**Integration of renewable energy: policies for supporting flexibility in the power grid** (GER Policy perspective)

16:10 – 16:25

*Anton Hufnagl, Deputy Head of Division, General issues of bilateral climate and energy cooperation, Federal Ministry of Economic Affairs and Climate Action (BMWK)*

**09:25 – 09:40**

**Integration of renewable energy: policies for supporting flexibility in the power grid** (KOR Policy perspective)

16:25 – 16:40

*Sukyung Hong, Director, Energy Technology Division, Ministry of Trade, Industry and Energy (MOTIE) – Brief introduction*

*Ki Seon Cho, Electric Grid Program Director, Korea Institute of Energy Evaluation & Planning (KETEP)*

**09:40 – 09:50**

16:40 – 16:50

**Q&A**

**09:50 – 10:05**

16:50 – 17:05

**Overview Study:** Battery electric vehicles for the provision of short-term flexibility in Germany and Korea (Study presentation by adelphi)  
*Henri Dörr, Consultant, Korean-German Energy Partnership Team, adelphi*

**10:05 – 10:10**

17:05 – 17:10

**Q&A**

**10:10 – 10:55**

17:10 – 17:55

**Panel discussion:** Challenges with and possible solutions for the efficient grid integration of BEVs

**Moderation:** *Prof. Dr. Peter Radgen, Professor for Efficient Energy Use, Head of graduate and research school energy efficiency Stuttgart (GREES), Institute of Energy Economics and Rational Energy Use (IER), University of Stuttgart*

**Panelists:**

- *Frank Borchardt, Digitalisation and Metering, Forum Network Technology/Network Operation in the VDE (VDE FNN)*
- *Seungho Yang, Director General, Korea Electric Power Co. (KEPCO)*
- *Sung-Kwan Joo, Professor, Korea University*

**Guiding points:**

- *Policy needs, barriers for implementation, necessary regulatory framework*
- *Infrastructural needs of the grid and respective charging infrastructure*
- *Technical perspective/standardization*
- *Consumer perspective (incentives/challenges/acceptance)*
- *Potentials for bilateral cooperation/mutual learnings*

**10:55 – 11:00**

17:55 – 18:00

**Summary and outlook on second day**

## **Day 2: Practical Implementation and Projects from Industry and Research**

**09:00 – 09:10**

16:00 – 16:10

**Welcome**

*Jana Narita, Senior Manager, Korean-German Energy Partnership Team, adelphi*

*Sean Sangjoo Baek, Team Manager/Principal Researcher, International Cooperation Division, Korea Institute of Energy Technology Evolution and Planning (KETEP)*

**09:10 – 09:25**

16:10 – 16:25

**Korean industry perspective on grid integration of BEVs and pilot project: KEPCO AC V2G Pilot program using commercial EVs (IONIQ5)**

*Ki Jun Park, Project Leader, Korea Electric Power Research Institute (KEPRI)*

- 09:25 – 09:40**      **German industry perspective on grid integration of BEVs and pilot project:**  
 16:25 – 16:40      *Lennart Hoffmann, Project Manager, Product Development & Management, Next Kraftwerke*
- 09:40 – 09:45**      **Break**  
 16:40 – 16:45
- 09:45 – 10:00**      **Input research project KOR: Pilots for power to EV-Mobility sector coupling**  
 16:45 – 17:00      *Jin Ho Kim, Professor, Gwangju Institute of Science and Technology (GIST)*
- 10:00 – 10:15**      **Input research project GER: unIT-e<sup>2</sup> – living lab for integrated e-mobility**  
 17:00 – 17:15      *Michael Hinterstocker, Head of Digitalization and Modeling, Ffe Munich*
- 10:15 – 10:50**      **Joint Q&A on previous presentations and discussion**  
 17:15 – 17:50
- Moderation:** *Jana Narita, Senior Manager, Korean-German Energy Partnership Team, adelphi*
- Panelists:**
- *Ki Jun PARK, Project Leader, Korea Electric Power Research Institute (KEPRI)*
  - *Lennart Hoffmann, Project Manager, Product Development & Management, Next Kraftwerke*
  - *Jin Ho Kim, Professor, Gwangju Institute of Science and Technology (GIST)*
  - *Michael Hinterstocker, Head of Digitalization and Modeling, Ffe Munich*
- Guiding points:**
- *Q&A on the previous industry and research presentations*
  - *Cooperation potentials und mutual learnings between GER and KOR in the area of BEVs flexibility potential*
- 10:50 – 11:00**      **Outlook and closing remarks by moderator**  
 17:50 – 18:00

**Organized by:**



Korean-German Chamber  
of Commerce and Industry  
한독상공회의소

