



## DRAFT AGENDA

### 2nd KOREAN GERMAN ENERGY DAY: System Integration of Renewables & Smart Grids

Thursday, 24 October, 2019

Venue: InterContinental Hotel COEX, Room Vivace

Language: English-Korean (simultaneous interpretation)

#### 13:30 – 14:00 Registration

**Moderator:** Ellen von Zitzewitz, Division for Bilateral Energy Cooperation, Federal Ministry for Economic Affairs and Energy, Germany (BMWi)

#### 14:00 – 14:15 Welcoming Remarks

Ambassador Stephan Auer, German Embassy Korea

Barbara Zollmann, President & CEO, Korean-German Chamber of Commerce and Industry

#### 14:15 – 14:25 Short Movie Clip on the (German) Energy Transition

#### 14:25 – 14:55 Keynote Speeches

##### **Setting the Stage: Sustainable Energy Policy and Perspectives for Deployment and System Integration of Renewables in Korea and Germany**

Young-Joon Joo, Deputy Minister for Energy and Resources, Ministry of Trade, Industry and Energy, Korea (MOTIE)

Thorsten Herdan, Director General for Energy Policy, Federal Ministry for Economic Affairs and Energy, Germany (BMWi)

#### 14:55 – 15:15 Coffee Break

#### 15:15 – 16:55 SESSION 1: System Integration of Renewables – Challenges and Measures

**Grid integration of variable renewables – Experiences from a transmission grid operator** Olivier Feix, Authorized Officer / Head of Environmental Policy, Permits and Participation, 50Hertz

## **Grid integration technologies of VRE(Variable Renewable Energy) in KEPCO Distribution System**

Ph.D. Seongsoo Cho, Principal Researcher, Smart Power Distribution Lab. Distribution System Department, KEPCO Research Institute, KEPCO

## **Smart Energy Storage System – a key technology to a 100% clean energy transition and a success story for a Korean-German partnership**

Busso v. Bismarck, Founder, QINOUS

## **Energy storage solutions for system integration of renewables in Korea**

Input by Samsung SDI (tbc)

## **Discussion Input: “Comparative overview of system integration of renewables in Korea and Germany” (Study presentation)**

Prof. Dr. Manfred Fishedick, Vice-President, Wuppertal Institute

## **DISCUSSION with Q&A from the audience**

### **16:55 – 17:15 Coffee Break**

**Moderator:** Ph.D. Sanghoon Lee, President, New and Renewable Energy Center, Korea Energy Agency

### **17:15 – 18:35 SESSION 2: Smart Grids for Improving System Integration of Renewables**

**Technology/Project Presentation on Smart Grids** Mr. Changhee Sohn, Senior Manager, Power Distribution Division, LSIS Co.,Ltd.y

**WindNODE – showcasing smart energy systems from northeastern Germany** Andreas Corusa, WindNODE/TU Berlin

**The Smart Grid Demonstration Project on Jeju Island** Mr. Jong-Cheon Son, R&D Project Team Leader, Office of Industry and Market Promotion, Korea Smart Grid Institute

**Virtual Power Plants: Intelligent coordination of decentralized energy producers** Felix Jedamzik, Key Account Manager, International Business Development, Next Kraftwerke

**Presentation TÜV SÜD Korea**

**Q&A with the audience**

### **18:35 – 18:40 Wrap-Up / Concluding Remarks**

**From 18:40 Networking Dinner**

#### **Background and scope of the event:**

As industry-based economies Korea and Germany face similar challenges when it comes to shaping their energy system's future. Both countries aim to significantly reduce their carbon emissions by increasing the usage of renewable energy and energy efficiency while phasing out the use of nuclear energy and reducing the reliance on fossil fuels. With rising shares of variable renewables, solutions for their system integration get increasingly important.

Organised on the margins of the International Renewable Energy Conference (KIREC), this event provides a platform for mutually learning from experience and discussing potential strategies and measures for system integration of renewables in Korea and Germany. The event thereby sets a focus on the role of smart grids in this context and also intends to identify opportunities for increased cooperation between both countries. Energy experts from government, industry, research and civil society are invited to participate.

#### **Organized by:**



Korean-German Chamber  
of Commerce and Industry  
한독상공회의소

