

# **Smart Energy Forum – Conference Program**

**(Nov. 19, 2019- Prague Congress Centre)**

9:00-9:30      Conference Opening – Jaroslav Dorda, Conference Organizer  
Foreword- Michal Stefl, Vice-President of the Czech Chamber of Commerce  
Foreword- Marian Piecha, ViceMinister, Ministry of Industry and Trade  
Foreword- Jan Kriz, ViceMinister, Ministry of Living Environment

## **Session No. 1: Energy Storage Applications and Sector Coupling**

9:30-9:50      **Kokam ESS Business Case Study: Using advanced Li-ion batteries for various ESS application**  
• Ike Inkwan Hong, President, Kokam Co. Ltd.

9:50-10:10      **Why does it pay off to invest without subsidies into big commercial ESS?**  
• Cyril Svozil, CEO, Fenix Group a.s.

10:10-10:30      **The Future challenges of charging infrastructure**  
• Dr. Victor Schäfer, Vice President - Research & Development, Tesvolt GmbH

**10:30-11:00      Coffee Break**

## **Session No. 2: Panel Discussion- New Business Models: Virtual Power Plants, Microgrids&Electromobility**

11:00-11:30      **Keynote: Virtual Power Plants and Distributed Storage as the Centre Piece for the Renewable Energy Revolution**  
• Oliver Koch, Managing Director+COO, sonnen GmbH

11:30-13:00      **High Level Panel: New Bussiness Models and Production of ESS in the Czech Republic**  
Ales Hradecky (President of the Czech Energy Storage and PV Guild)  
Radomir Prus (Project architect&Key investor- HE3DA s.r.o.),  
Martin Panac (Head of Future Grids, Siemens)  
Libor Dolezal (CEO, C-Energy Plana s.r.o.)  
Vojtech Fried (Head of Electromobility&Smart City, Prague Energy Utility)  
**Topics of the Panel Discusssion:**  
• How cheap RE power and Energy Storage impact power sector?  
• Role of ESS and RES for Smart Cities and Electromobility  
• Do we still need state subsidies for a future development of ESS+RES?  
• New Community projects, Microgrids using BESS- lessons learned  
• Future of production of ESS in the Czech Rep.?

**13:00-14:00      Lunch Break**

## **Session No. 3: New Trends and Future Developoment of ESS**

14:00-14:30      **Key Trends in Energy Storage in the World**  
• Julian Jansen, Senior Analyst, IHS Markit

14:30-14:50      **Projecting the Future Levelized Costs of Energy Storage Technologies**  
• Oliver Schmidt, Imperial College of London

14:50-15:10      **Power-to-Gas: Technology for Sustainability**  
• Dr. Stefan Koch, Vice-President, MAN Diesel & Turbo GmbH

15:10-15:30      **Potential of ESS in the Czech Republic for RES Integration into Grids**  
• Petr Cambala, Researcher, EGU Brno a.s.

15:30-15:50      **Experience of Skoda Auto with Usage of Ultracapacitors for Elimination of Short-term**

### **Energy Outages**

- Robert Vinicky, Chairman of the Board, Local Energies. a.s. (E.ON Group)

**15:50-16:20**      **Coffee Break**

<b>Workshop: Safety, Innovations and Lessons learned from Usage of ESS in the Czech Rep.</b>
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| 16:20-16:40 | <b>Energy Management of SmartHome using PV Plant, ESS and EV</b> <ul style="list-style-type: none"><li>• Jaromir Klaban, CEO, Teco a.s.</li></ul>   |
| 16:40-17:00 | <b>Sector Coupling project ADLER combining PV, ESS, Cogeneration and EV Charging</b> <ul style="list-style-type: none"><li>• Jakub Mracek, Sales Manager, NWT a.s.</li></ul>  |
| 17:00-17:20 | <b>How to effectively mitigate risks related to operation of lithium based ESS</b> <ul style="list-style-type: none"><li>• Ing. Pavel Hrzina, Ph.D., Faculty of Electroenergetics, Czech Technical University</li></ul> |
| 17:20-17:30 | <b>First results of operation of the biggest corporate ESS (600 kWp) in Fenix Group in Jeseník</b> <ul style="list-style-type: none"><li>• Petr Gaman, CEO, AERS s.r.o.</li></ul>                                       |