



*5th International Conference&Expo dedicated to Energy Storage Systems (ESS) and Distributed Energy Renewables (DER)*

**November 19, 2019 Prague, Czech Republic**



# Smart Energy Forum (SEF)

## Event Profile

In 2018 the Czech Republic has installed over 2 200 PV systems (up to 10 kWp) with 75 % of residential energy storage systems (ESS) which is a unique situation in Europe. There is also a strong boom for ESS in corporate&utility ESS market in Czech Republic due to new government incentives. The Skoda Auto car-maker is about to launch 60 MW virtual power plant comprising over 200 corporate ESS installed within its car dealership network in the Czech Republic by 2021. The ESS market potential of Czech Republic is up to 200 MW till 2022.

Since 2015 the conference and expo SEF has become the **leading Central Europe's event** dedicated to advanced solutions in the field of energy storage, smart usage of distributed RES and green mobility. In 2018 over 1 200 visitors from Czech Republic, Slovakia and Germany took part in the SEF. The participants represent primarily professionals (installers, electricians, distributors, auditors, EPC, investors and PV plant operators, etc.) as well as public interest in ESS&DER.

SEF will include both conference and expo. The event will take place on **November 19, 2019** from 9:00AM to 18:00 in the **Prague Congress Centre** in the centre of Prague City ([Google Map](#)).



## **Structure of Conference Attendees**

- CEO/TOP management members of Czech&Slovak business enterprises coming from industrial+automotive sector, operators of PV plants
- professionals engaged in photovoltaics/renewables business, business analysts, bankers, private investors, partly academics sector
- end customers interested in own installations of ESS&PV systems for own consumption of energy
- visit rate:
  - a/Conference+Workshops: 360 attendees (2018)/300-350 attendees (2019- estimate)
  - b/Expo: 900 attendees (2018)/1200 attendees (2019- estimate)

## **Profile of Key Conference Speakers**

- representatives of state bodies (Ministry of Industry, Czech Energy Regulatory Office, Top management of Utilities, operators of PV plants, etc)
- renowned experts in the field of ESS&PV systems either from private sector or from academic institutions
- confirmed speakers at SEF2019:
  - Julian Jansen** (Senior Analyst, IHS Markit)- presentation: Key Trends in Energy Storage in the World by 2025
  - Oliver Koch** (Managing Director+COO, sonnen GmbH)- presentation: Virtual Power Plants and Distributed Storage as the Centre Piece for the Renewable Energy Revolution

## **Auspecieces of SEF:**

- Czech Technical University in Prague
- Chairman of the Government of the Czech Republic
- Ministry of the Environment of Czech Republic
- Chamber of Renewable Energies in the Czech Republic

## **Expo Description:**

As a part of SEF the guests could also visit a unique EXPO dedicated to ESS both for residential and utility scale applications as well as for PV installations.



In 2018 over 30 companies promoted its solutions and services at the EXPO. The exhibitors could have a small booth at attractive terms. For more information about the possibility to exhibit at SEF, please feel free to contact us as mentioned below.

## **References:**

„The conference Smart Energy Forum in Prague was a great asset for me. I would like to participate in future years “.

**Radek Orsag – executive director of the company SOLSOL Ltd.**

„I would like to congratulate you on the excellent conference. The content was very attractive and contained a lot of new information. I’m very satisfied with the overall organization of Smart Energy Forum, too“.

**Jan Krcmar, director of communications of the company Photon Energy Group**

„The conference Smart Energy Forum 2015 in Prague was a great event, both in content as well as organizationally “.

**Simon, deputy manager of the Slovak photovoltaic association SAPI**

“Conference Smart Energy Forum in Prague was a very nice experience to me. I am looking forward to its next year“.

### **Contact information:**

Should you be interested in a presentation at the conference, or in the exhibition, pls feel free to contact us via email or mobile phone.

We will be delighted to provide you best services in order to make your participation at SEF in Prague a pleasant experience.



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# Preliminary Program- Conference Smart Energy Forum

**Term:** November 19, 2019  
**Venue:** Prague Congress Centre, Czech Republic

Time	Conference Program	
9:00-9:10	<b>Word of Welcome</b> Karel Havlicek- Minister of Industry and Trade (invited)	
9:10-9:40	<b>Keynote: Virtual Power Plants and Distributed Storage as the Centre Piece for the Renewable Energy Revolution</b> • Oliver Koch (Managing Director+COO), sonnen GmbH, Germany (confirmed) <b>Keynote: Market Analysis and New Trends Learned from Germany-Fatherland of Solar</b>	
9:40-10:10	• David Wedepohl (Managing Director of International Affairs), BSW-Solar, Germany (Invited)	
10:10-10:40	<b>Keynote Panel: How to support development of DER in near future?</b> • Pros and Cons of introduction of PPAs vs Auctions? • Is there a need to support ESS? If YES, how to proceed effectively? • The role of regulation in the world of subsidy-free RES? <b>Panel Participants:</b> Rene Nedela, Deputy Minister, Ministry of Industry and Trade (Invited) Stepan Chalupa, Chairman, Chamber of Renewables (confirmed) Radomir Prus, Project Architect&Key Shareholder, HE3DA s.r.o. (confirmed) Jan Pokorny, Chairman, Energy Regulatory Office (Invited)	
10:40-11:00	Coffee Break	
	<b>Conference Hall A (Sessions dedicated to Energy Storage)</b> <b>New Business Models and Trends in Energy Storage</b>	<b>Conference Hall B (Sessions dedicated to PV and Sector Coupling)</b> <b>New Technologies and Business Models in PV sector</b>
11:00-11:20	<b>Key Trends in Energy Storage in the World</b> • Julian Jansen, Senior Analyst, IHS Markit, Great Britain	<b>PPA and Unsubsidies Projects as a New Driver of PV and RES?</b> - Experience from PPAs Real Life Business Cases in Europe
11:20-11:40	<b>First Lessons Learned from Commissioning and Operation of the Biggest BESS (4 MW/4 MWh) for Frequency Regulation Services in Czech Rep.</b> • Fluence/Siemens (TBS)	• BayWa, (TBS) <b>PERC vs. Shingled Cells- Latest Trends in PV Module Technologies</b>
11:40-12:00	<b>Kokam ESS Business Case- Using Advanced Li-Ion Batteries for Energy Trading in Czech Republic</b> • Kokam (TBS)	<b>First Czech Microgrid in Budisov using Cogeneration, Solar Energy, PV and ESS for production of Heat and Electricity in Budisov City</b> • YOUNG4ENERGY s.r.o
12:00-12:20	<b>Why does it pay off to invest without Subsidies into Commercial ESS (620 kWh) for Peak Shaving and Anti-blackout Solution?</b> • Fenix (TBS)	• TBA
12:30-14:00	Lunch Break	

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	<b>Quality, Safety and Servicing of ESS</b> Conference Hall A	<b>Retrofitting&amp;Repowering of PV Power Plants</b> Conference Hall B
14:00-14:20	<b>Projecting the Future Levelized Costs of ES Technologies</b> • Oliver Schmidt, Imperial College of London, UK (invited)	<b>Inverter Repowering – New Legislation presented by ERU</b> • Ing. Vladimir Vlk, Member of the Council of ERU (invited)
14:20-14:40	<b>Testing of Quality of Stationary Li-ion Battery Modules and Cells</b> • Klaus Heck, CEO, Battery University GmbH (invited)	<b>Applications and Interpretation of UV Fluorescence Imaging for PV Plants</b> • Dr. Marc Köntges, Institute for Solar Energy Research Hamelin (ISFH)
14:40-15:00	TBA	<b>Advanced aerial thermography with drones</b> • Michal Voracek, CEO, Eicero
15:00-15:20	<b>Clear and Consistent Testing of Residential ESS</b> • Nina Munzke, Karlsruhe Institute of Technology, Germany (invited)	<b>Results of Long-Term Field Testing of Polycrystalline Modules on Rooftop PV Plant in the Czech Republic</b> • Jaroslav Dorda, CEO, <a href="http://www.solarninovinky.cz">www.solarninovinky.cz</a>
15:30-16:00	Coffee Break	15:30-16:00
	<b>Power-X, Seasonal Storage and Innovations</b> Conference Hall A	<b>New Legislation, Financing and Subsidies</b> Conference Hall B
16:00-16:20	<b>Power-to-X Applications and Energy Storage Solutions</b> • Gabriele Schmiedel, Siemens AG (invited)	16:00-16:20 <b>Financing New RES Projects in Subsidy-free Environment</b> • Commercial Bank a.s. (TBS)
16:20-16:40	<b>Corporate Building powered using Earth Energy as Seasonal Storage</b> • Teco a.s. (TBS)	16:20-16:40 <b>New Legislation for Operation of ESS from 2020</b> • Pavel Doucha, Partner, DouchaSikola Advokati s.r.o. (invited)
16:40-17:00	<b>SION- Climate friendly Solar Car and Mobile Battery</b> Katja Tschakert, Sono Motors GmbH (Invited)	16:40-17:00 <b>Changes of Subsidy Schemes for Corporate PV&amp;ESS</b> • Ondrej Tomsej, Head of OPPIK Subsidy Dep, Ministry of Industry
17:00-17:20	<b>Power-to-Gas: Technology to Sustainability</b> • Christian Schuhbauer, MAN Energy Solutions	17:00-17:20     TBA
17:30-18:30	Closing Note & Networking Drinks	