

The IT revolution in the Distribution Grid

Expert talk covers:

- Outlook on key market trends
- Global perspective on challenges for DSOs
- New IT concepts to solve operational challenges
- Project examples and lessons learned



Ralf Korntner

Intrapreneur – Grid Digital Twin
At Siemens



Wednesday, 17th of Nov. at 9.45 – 10.15 am. (CET)

#IEEE@Siemens2021

The IT revolution in the Distribution Grid

As Distributed Renewables and Electric Vehicles continue to grow exponentially, the requirements and challenges for our power grids increase drastically. This threatens the security of supply and poses a significant and growing challenge especially for the Distribution Grid Operators. This calls for new tools and a new approach to plan, operate and maintain the networks – harnessing the power of IT. Siemens presents the key technologies and real life examples of how data across the entire OT and IT system landscape can be used to build a much more proactive and agile approach to deal with today's and tomorrow's challenges.

About Ralf:

As Intrapreneur and Global Head of the Grid Digital Twin at Siemens Digital Grid, he is responsible for new digital software offering that connects the OT with the IT world. The aim is to help electrical grid operators manage the fast-paced energy transition through new digital twin applications. Prior to the Grid Digital Twin role, Ralf was the global Head of Siemens Microgrid where he was responsible for the global Microgrid Controls portfolio and the Business Development in this growing and innovative space. Before that, he worked at Siemens Great Britain and Ireland (GB&I) regional company and built up the new Distributed Energy business unit exploring the diverse and rapidly evolving UK energy market and piloted new business models based on a wide range of distributed energy technologies. Ralf holds a master's degree in Physics.

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“Grid operators around the globe are in the midst of an OT to IT transformation – we as Siemens have seen this happen in other industries before and are excited to bring together the power of OT and IT to accelerate the energy transition.”

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