

Cybersecurity, Digitalisation and the Electricity Grid in Europe

Webinar, February 26, 2021, 11.00-12.30 CET

This currENT webinar examines the role of new and innovative technologies in climate-proofing our electricity grid to meet the challenges of the European Green Deal.

Increasing levels of renewable energy sources – and increasingly proactive engagement with customers – require smarter and more innovative ways to optimize and reinforce our electricity grid. Digitalisation is a key part of the solution, but it will come with new cybersecurity challenges. The European Commission is developing a new strategy on digitalisation of energy, but is also drafting a new network codes on cybersecurity issues.

As to see digitalisation take off currENT focusses on the key challenge cybersecurity. This webinar will explore cybersecurity in the context of:

- The benefits of innovation, including undreamed of optimisation opportunities from big data, machine learning, software as a service, and the power to control a wide range of far-flung devices and systems,
- The challenges, including more variable renewables and less inertia from generation, more complex interaction between supply and demand, interoperability, and the central importance of maintaining utility operations that are secure from cybersecurity threats, and
- Real-world experiences by utilities in digitalizing energy while addressing cybersecurity challenges.

AGENDA

Robert Mork, vice president international regulatory affairs, Heimdall Power, will introduce the panelists and moderate the discussion.

Bas Kruimer, business director intelligent networks & communication, DNV-GL Netherlands Energy Advisory, will discuss the grid of the future, and how digitalisation will be central to managing its benefits and challenges.

Konstantinos Moulinos, energy cybersecurity expert, European Union Agency for Cybersecurity (ENISA), will talk about ENISA's role in cybersecurity policy, including such current developments as the NIS Directive and cybersecurity network codes.

Anjos Nijk, managing director, European Network for Cybersecurity (ENCS), will speak about cybersecurity as an enabler for the energy transition and the need for innovative collaborative approaches.

Andrea Foschini, convenor cybersecurity network code at ENTSO-E and head of information security, Terna, will explain the state of play and key challenges of the network code.

Mario Jardim, chair of T&D Europe Cybersecurity Task Force and power systems cybersecurity leader at Schneider Electric, will discuss cybersecurity-related opportunities and challenges of digitalization in high voltage networks.

John Cullinane, formerly chief information officer and board member, WGL Holdings, will talk about cybersecurity from the perspective of a utility.

Rick Cutter, co-founder and managing director, Cloud for Utilities, will discuss adoption of cloud technology and its attendant cybersecurity aspects as one approach to meeting the challenges of digitalisation.

After introductory statements from the speakers, the webinar will feature a panel discussion among the participants, including taking questions from the audience.

This is the fourth webinar of the currENT series on ‘new challenges, new solutions for future proofing the power grid.’