

2 Smart Grid Technologies: Advancements in Demand Response, Metering, and Grid Automation



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Presented by

SIEMENS



19 September 2024



11:30 AM - 01:00 PM



Room Two, Grand Ballroom

Oman Convention & Exhibition Centre

Session Outline

Join us for an engaging workshop on Smart Grid Technologies: Advancements in Microgrid Control, Grid Security, and Electrification, where experts will discuss the latest innovations shaping the energy sector. As the global energy landscape shifts, smart grid solutions are essential for enhancing grid resilience, optimizing energy use, and fostering sustainability.

The workshop will cover key topics, including Microgrid Control strategies, such as demand charge reduction and electric vehicle integration. We'll also cover the crucial aspect of securing substation grids, emphasizing compliance with the IEC 62443 standard to safeguard against cyber threats. Additionally, you'll gain insights into leveraging IoT as a Service for Electrification and Automation, providing digital solutions to overcome the challenges of energy transition and improve grid stability.

Discover how these advancements in smart grid technologies are enabling a more sustainable energy landscape, through the integration of renewables and decentralized energy management

A) Microgrid Control - Reliable control and monitoring of Microgrids

- Asset Monitoring
- Tie line control & peak shaving
- Demand Charge Reduction
- E-Car Integration
- Island Operation

B) Securing Substation Grids – Based on IEC62443 standard

C) Enhancing Electric Grid Resilience with Electrification X: IoT as service for Electrification & Automation to tackle the challenges of energy transition

D) Enabling a sustainable energy landscape via smart grid technology.

Limited seats available

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