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Energy Storage Technologies & Applications in Power Systems - Challenges and Experiences

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Session 1: The value and benefits of energy storage

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Abstract

This presentation at first discusses the requirements for energy storage in power systems integrated with large scale renewable energy generation, and then presents available grid scale energy storage technologies and their application prospects in power systems. Finally the presentation introduces the operation experiences of an energy storage demonstration project which is integrated with large wind power, solar power and energy storage in a transmission system. Challenges of energy storage application in power systems are discussed accordingly.