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## **Scheduling and Dispatch Solutions for Smarter Power Market**

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### **Abstract**

Electricity markets nowadays have to cope with ever larger uncertainties related to increased local or dispersed renewables penetration : in a nutshell they need to become Smarter. Scheduling and Dispatch used to be core functions of Market Management Systems and still are but they need to be improved in order to address new challenges targeting a more complex environment and a larger economic pressure from the different actors of the landscape. This session aims at presenting actual market management solutions and share customer case experience from various continents in addressing improvements of scheduling and dispatch functions to incorporate renewable forecasts into market management systems, deal with different scenarios and more over have an adaptive logic using advanced look-ahead capacity to drive market management solutions in a smooth and optimal way whilst not jeopardizing network reliability. In addition, management of new flexibility brought by recent approaches such as storage, demand response and price responsive demand will be discussed. Finally, new functional requirements related to after the fact analysis for improved market management solutions will be illustrated.