

## **Battery Energy Storage System for Grid peak shaving**

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### **Abstract**

Understanding the value of Energy Storage Systems in South East Asia Growing energy demand, integration of renewable energies and well known but long time seemingly unsolvable issues in energy supply grids pose major challenges today in the provision of power quality and reliability. These issues are becoming more and more common in South East Asia. Frequency and voltage fluctuations, reactive power undersupply or simply insufficient grid capacity are the effects resulting from these issues appearing often in combination. Utilities and grid operators could solve these issues with Energy Storage Systems.

This presentation will evaluate the potential of Energy Storage Systems in South East Asian countries, market trends and future outlook. It will analyse the appropriate design, operation, configuration and commercial aspects utilising advanced Energy Management Systems (EMS) in hybridised energy supply and storage facilities.