

**Session Title: Growing Renewable Energy and Grid Stabilisation**

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**Abstract title: The Paradigm Shift.**

In the old Utility world, the starting point for the power market was the production by all kinds of nuclear, gas, steam assets, producing the amount of electricity that was supposed to be equal to the demand by the consumers.

However, with the introduction of renewables (wind, solar) there has been a tremendous shift. The starting point for the power market is the load and production forecast on the electricity grids which is threatening grid stability. The burning question is: how can we resolve this in a reliable and sustainable way?

The most sustainable (*and as it happens: reliable and cost-effective*) way to keep the grid in balance, is not to build more power plants, but to adjust power demand to available production.