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Integration of renewables using smart and hybrid solutions

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Abstract

The integration of large quantities of intermittent renewables is a challenge both for the grid and the energy markets. In the energy system of the future we also need to increase the flexibility of the demand side. In this presentation we illustrate how smart and hybrid technologies can facilitate the integration of intermittent renewables into the energy system by increasing the flexibility of the demand side and by sector coupling. Beyond technological challenges the success of smart and hybrid technologies is also very much dependent on the regulatory framework conditions.