Thema für eine Bachelorarbeit:

**Congestion Management in German Electricity Transmission Network - Economic Analysis of Market-Based Redispach Mechanisms**

**Fragestellung:**

In case of network limitations redispatching supply and demand is a commonly applied congestion management measure applied by the system operator. Due to increasing shares of renewable energies and insufficient network expansion both volumes and frequency of redispatching measures rapidly increased during the last years. In Germany, a cost-based redispatch is applied, where redispatching relies on individual contracts between TSO’s and power plants.

In light of the 2016 EU proposal on the regulation of the internal market for electricity ("Winterpackage"), this thesis should carefully discuss the proposed implementation of a market-based redispatch mechanism. In particular, this thesis should provide the main arguments whether a market-based mechanism could be able to adequately deal with the upcoming challenges primarily imposed by increasing renewables deployment and an increasing number of decentralized market players, while ensuring cost-efficient congestion management in a competitive environment.

**Literatur:**


**Ansprechpartner:**

Weitere Informationen sind auf Anfrage bei M.sc. Amelie Sitzmann erhältlich.

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