Energy Brainpool

SPOT MARKET ELECTRICITY SIMULATION GAME

Power plant deployment optimisation on the spot market

The electricity spot market simulation game simulates the trading situation on the spot market in the form of a board game. The participants market a power plant fleet of conventional and renewable plants. Based on the structure and significance of the merit order, you will learn how to cover your load profile submit buy and sell bids. In addition, you will learn about pricing on the various sub-markets.

Your contents

Round 1: Power plant deployment
- Deployment of power plants according to marginal costs and calculation of the contribution margin
- Integration of electricity from renewable energies

Round 2: Control power market
- Determination of the demand for control power
- Consideration of expected revenues and market conditions (pay-as-bid)
- Bidding: power and energy price

Round 3: Electricity trading on the day-ahead market
- Bid placement for the single hourly auction on EPEX Spot
- Portfolio optimisation through shutdowns or purchases

Round 4: Electricity trading on the intraday market
- Marketing surplus power plant capacities and reacting to unplanned events
- Balancing group settlement

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TARGET GROUP

- Newcomers to the electricity and gas industry
- Newcomers and career changers in the energy sector
- Employees and stakeholders with a connection to energy industry issues
- Representatives of politics and associations

YOUR BENEFITS

After this simulation game you will be able to:
- better apply your theoretical knowledge in practice,
- illustrate the price formation on the different submarkets,
- assess and react to the trading actions of your competitors, and
- adapt your trading strategies to market events.

The **spot market electricity simulation game** is the ideal complement to the seminars **Starter kit for the electricity industry, Revenue potential at short-term energy markets** and **EEG, PPAs and Co: sales options for renewables**.