

# SIMULATION GAME INTRADAY

## POWER PLANT OPTIMIZATION ON THE SPOT MARKET

The simulation game intraday simulates trading at the spot market in form of a board game. Players market a power plant fleet of conventional and renewable plants. Based on the structure and significance of the merit order, participants learn to cover their load profiles and to submit buy and sell offers. In addition, they get acquainted with price setting in different sub-markets.

### YOUR CONTENT

#### Round 1: power plant operation

- Use of power plants in accordance with marginal costs and calculation of the contribution margin
- Integration of electricity from renewable energies

#### Round 2: control reserve market

- Determination of demand for control reserve
- Consideration of expected revenues and market conditions (pay-as-bid)
- Bidding – performance and labour price

#### Round 3: electricity trading on the day-ahead market

- Bid placement for the individual hour auction on EPEX Spot
- Portfolio optimization through shutdowns/acquisitions

#### Round 4: electricity trading on the intraday market

- Sales of surplus power plant capacities and response on unplanned events
- Balancing group billing



### TARGET GROUP

- Newcomers to the electricity and gas industry
- Newcomers and career changers in the energy industry
- Employees and players with a relation to energy management issues
- Representatives of politics and associations

### YOUR BENEFIT

After this simulation game you will be able to:

- better apply your theoretical knowledge in practice,
- show the price formation on the various sub-markets,
- assess and react to the commercial actions of the competition,
- adapt your trading strategies to market events.

**simulation game** is the ideal supplement to the seminars **introduction to electricity trading, understanding short-term markets** and the **workshop risk management in energy trading**.