

# BASICS OF THE ELECTRICITY INDUSTRY

SEMINAR, 1 DAY

The seminar provides a condensed overview of all areas of the electricity industry and is particularly suitable for newcomers and career changers. Along the energy value chain, the basic mechanisms of the electricity market regarding generation, trading, transport and sales will be explained. An outlook on current developments on the electricity market rounds off the picture.

## YOUR CONTENT

### Where does our energy come from - meaning and terms

- Primary energy sources - fossil and renewable energy sources
- Physical basics: power, work, calorific value, etc.
- Energy use - where does our energy come from and what do we use it for?

### Fundamentals of the liberalised electricity market in Germany

- The energy value chain: generation, transport (grids), trading and distribution
- Overview of the framework conditions of the liberalised market and important market roles
- Special features in the electricity sector: power plants, electricity grids, storability of electricity
- Basics of balancing group management and balancing energy

### Energy procurement and wholesale energy trading

- How, when and where is electricity procured?
- Difference: SLP and RLM customers
- The futures market - securing prices and volumes in the long term
- The spot market - short-term optimization at day-ahead and intraday markets
- Retail prices - allocations and charges

### The energy transition in Germany - importance for the energy industry

- Political goals in Germany and their implementation
- Emissions trading in Europe - the EU ETS
- Expansion and promotion of renewable energies and the EEG 2017
- Outlook: new technologies and business models at a glance



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## TARGET GROUP

- Career starters in the electricity and gas industry
- Newcomers and career changers in the energy sector
- Employees and players with reference to energy management issues
- Employees from industrial companies with significant electricity consumption

## YOUR BENEFIT

After this seminar, you will be able to:

- provide a basic explanation of the organisation of the electricity market,
- To place your company or your function in the context of the electricity industry,
- to outline processes on the wholesale market for electricity,
- to identify today's and tomorrow's energy system transformation challenges.

Our **simulation games** for electricity trading support the optimal learning effect by practical and playful application of the theoretically imparted knowledge.