

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. The basic mechanisms of the electricity market are clearly explained along the energy industry value chain from generation, trading, transport and sales. An outlook on current developments in the electricity market rounds off the picture.

Your contents

Where does our energy come from – meaning and terms

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

Basics of the liberalised electricity market in Germany

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

Energy procurement and wholesale energy trading

- How, when and where is electricity procured?
- Difference between SLP and RLM customers
- The futures market – long-term hedging of prices and quantities
- The spot market – short-term optimisation on the day-ahead and intraday market
- End-customer prices – surcharges and fees

The energy transition in Germany – what does the climate protection programme change?

- Political goals in Germany and their implementation
- Emissions trading in Europe – the EU ETS and national CO₂ pricing
- Expansion and promotion of renewable energies via the EEG and PPAs
- Outlook: an overview of new technologies and business models



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TARGET GROUP

- Newcomers to the electricity industry
- Newcomers and career changers in the energy sector
- Employees and stakeholders with a connection to energy industry issues
- Employees from industrial companies with significant electricity consumption

YOUR BENEFITS

After this seminar you will be able to:

- explain the basic organisation of the electricity market,
- place your company or function in the context of the electricity industry,
- outline processes on the wholesale market for electricity,
- identify current and upcoming challenges of the energy transition.

Our **Simulation Games** on electricity trading support the optimal learning effect through practical and playful application of the theoretically imparted knowledge.