



Starter Kit Electricity Industry

How does the electricity market work?

Introduction

For some newcomers or career changers, the energy industry initially appears complex and opaque: many technical terms, laws and different players with different interests. This training gives you a concise overview of all areas of the electricity industry. Along the value chain of the energy industry, we clearly explain the basic mechanisms of the power market from generation, trade and transport to distribution. An outlook on current developments in the electricity market prepares you for exciting discussions with colleagues or customers.

Target group

- ▶ Newcomers to the electricity sector
- ▶ Employees in supporting departments of utilities, municipal utilities, grid operators, power plant operators, direct marketers, etc.
- ▶ Representatives from associations, politics and the media with a connection to energy industry issues

Your benefit

After this training, you will be able to:

- ▶ fundamentally explain the organisation of the electricity market,
- ▶ place your company or function in the context of the electricity industry,
- ▶ explain processes on the wholesale market for electricity, and
- ▶ analyse developments on the electricity market.





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Your content

Session 1: Technical basics of the energy industry

- Physical basics of the electricity sector
- Energy vs. power, different types of energy
- Energy sources and their use for power generation
- Technologies for power generation: fossil, thermal, renewable

Session 2: The value chain of the energy industry

- Tasks along the value chain of the energy industry
- The liberalised power market and the different market roles
- Development of power generation and consumption over time
- Grid infrastructure between generation and consumption

Session 3: The framework of a reliable power supply system

- The principle of main utilities in Germany ("Grundversorger")
- Balancing group management as a connection between generation and consumption
- Control power and control energy to ensure grid stability

Session 4: Power procurement from a utility's point of view

- Different markets for electricity procurement: spot market vs. forward market
- Principle of full supply vs. structured procurement
- Differences between SLP and RLM customers: balancing, charges, end-customer prices

Session 5: The wholesale market for electricity

- Price formation and price influences at the spot market
- The day-ahead auction as a reference market for the forward market
- Trading processes and trading venues: exchange, OTC, auction and continuous trading

Session 6: News and outlook

- Market developments at key commodity markets: emissions, natural gas, coal
- Insight into Energy Brainpool's modeling of power price scenarios
- Introduction to the risk assessment with fundamental scenario swarms

Exemplary use case

Your team or company want to enter the electricity industry and need a comprehensive, precise overview of the market segments, the processes, the regulatory framework conditions as well as the requirements to become active in the market.

Perhaps your company is part of the energy industry for some time. For internal or external communication, your staff needs background information, wants to be able to use technical terms confidently and understand contexts that are not explained in the daily press.



Training for the energy sector

We quantify the energy transition

Training formats

Energy BrainSessions

- live online trainings
- suitable for beginners to experts
- 2 to 3 mornings depending on the course

In-house training































- comprehensive basic and advanced seminars for the energy sector
- customised according to your needs
- online or in-person

Simulation games

- realistic trading simulations for electricity trading on spot or futures markets
- online or board game version

Training formats legend

- Knowledge level: basic knowledge, special knowledge or expert knowledge
- Format: lecture or workshop
- online or in-person

Basic knowledge	workshop	online	  	In-person	 
Basic knowledge	lecture	online	  	In-person	 
Special knowledge	workshop	online	  	In-person	 
Special knowledge	lecture	online	  	In-person	 
Expert knowledge	workshop	online	  	In-person	 
Expert knowledge	lecture	online	  	In-person	 

About us

As independent energy market experts, we focus on the databased, practice-oriented transfer of knowledge on power and energy trading in Europe. From analysis, forecasting and modelling of energy markets and prices, as well as studies and individual consulting services, to training courses, we are here to support you.

How can we support you? Feel free to contact us.

Contact

Energy Brainpool GmbH & Co. KG
 Brandenburgische Str. 86/87
 10713 Berlin
 Germany

Phone
 +49 (0)30-76 76 54-10

E-mail
 kontakt@energybrainpool.com

Website
www.energybrainpool.com/en

Blog
blog.energybrainpool.com/en

LinkedIn
www.linkedin.com/company/energy-brainpool-gmbh-&-co.-kg



www.energybrainpool.com/en/in-house-training

