

# BASICS OF THE ENERGY INDUSTRY

## SEMINAR, 1 DAY

What are energy sources and which ones are there? What are electricity and gas prices made of? And what impact do climate change and the emissions trading system have on the energy industry? The seminar clarifies these important questions about the electricity and gas industry and provides an overview of the legal regulatory framework.

## Your contents

### Structure of the energy industry – meaning and terms

- Fossil and renewable energy sources: reserves, resources and ranges
- From primary energy to energy services: technical and economic processes of energy conversion
- Markets for energy sources and development of wholesale prices
- Energy distribution: products, billing and price components

### Electricity and gas – value chain and regulatory framework

- Physical fundamentals: power, work, calorific and heating value, etc.
- The energy value chain: energy purchasing and generation, grids, distribution and storage
- Electricity value chain: types of power plants, simultaneity of generation and consumption, non-storage and balancing energy
- Gas value chain: storage, LNG and shale gas
- Liberalisation and market roles, balancing group systems
- Regulatory framework of the EU, the EnWG and through defined business processes

### Wholesale energy trading and procurement management

- From full supply to structured electricity and gas procurement
- Trading products and pricing on the spot market
- The forward market - forwards and futures
- Basics of balancing group management and balancing energy
- SLP and RLM customers

### The energy transition in Germany – significance for the energy industry

- Emissions trading: CO<sub>2</sub> prices and their effects
- Influence of European and national targets on the energy industry
- Expansion and promotion of renewable energies and the EEG 2021

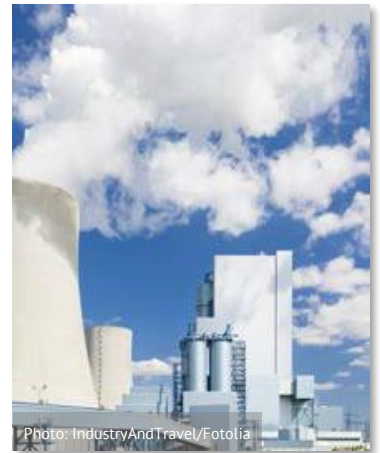


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## TARGET GROUP

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

## YOUR BENEFITS

After this seminar you will be able to:

- explain the value chains of the energy industry,
- apply your knowledge of different market segments and products in the energy industry,
- present emissions trading and energy trading,
- lead professional discussions on the challenges of the energy transition.

The seminar can be expanded together with the **Basics of the Electricity and Gas Industries** into a comprehensive 3-day seminar.