

# OPTIMISED ELECTRICITY SUPPLY FOR INDUSTRY

SEMINAR, 1 DAY

Industrial companies are facing growing challenges with regard to their energy supply. On the one hand, their customers demand sustainable production with as few greenhouse gas emissions as possible. On the other hand, competition at the international level offers little scope for surcharges in the procurement of "green" energy products. Nevertheless, many companies are prepared to make their processes and the purchase of electricity more climate-friendly. The seminar provides the industry with basic knowledge about electricity trading as well as the possibilities of "greening" and self-sufficiency, taking into account the respective risks.

## Your Content

### Brief introduction to the electricity market

- the structure of the various electricity markets
- the stakeholders, their interests, and the regulatory framework
- the merit order and the day-ahead market as reference market

### Procurement of electricity for industrial needs

- Forms of electricity trading: OTC, exchange, full supply
- Price formation and price influences
- Requirements and Processes
- Optimization potential between profitability and sustainability

### CO<sub>2</sub>-free electricity procurement

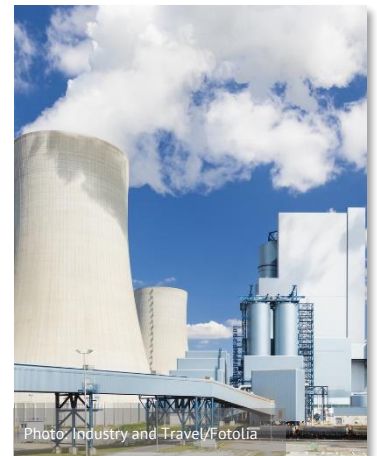
- different types of green electricity
- Guarantees of origin (HKN) and regional guarantees of origin (rHKN)
- Types of Power Purchase Agreements (PPAs)
- Calculation of the fair value of PPAs

### Self-sufficiency with decentralised systems

- Technologies for partial self-sufficiency
- Combined heat and power (CHP) units, PV systems, battery storage units
- Potential for cost savings
- regulatory frameworks

### risk management

- Security of supply in Germany
- Optimization between long-term and short-term procurement
- Dealing with extreme prices
- Opportunities and risks from regulatory developments: Exemption from electricity tax, EEG levy exemption, CO<sub>2</sub> prices, electricity price compensation, grid fees, etc.



## TARGET GROUP

- Specialists and managers of large-scale consumers with interfaces to energy trading, purchasing, energy management, facility management, etc.
- Employees in the balancing group, portfolio, risk, schedule and load management as well as from analysis
- Representatives from politics and associations

## YOUR BENEFIT

After this seminar, you will be able to :

- analyse the framework conditions of the electricity market,
- to compare possibilities of electricity procurement for industrial companies,
- Evaluate business models for green power procurement for industrial companies,
- to transfer new power supply concepts to your application.

The **intensive seminar PPA evaluation** is the optimal supplement for all those who would like to deal in more detail with the power procurement by means of PPAs.