

Meteodat and Energy



Meteodat GmbH is a spin-off company of the Swiss Federal Institute of Technology (ETH), Zurich. With this educational and professional background, the staff of Meteodat possesses an in-depth knowledge of the energy business. For more than 15 years, Meteodat has been conducting comprehensive studies of the dependence of hydrological and meteorological characteristics on energy production and demand.

Our **products** are founded on the bedrock of Meteodat's engineering expertise and supported by a team that has an extensive background in the fields of energy resources, meteorology and hydrology. Our customers are guaranteed an improvement in their profitability and stability.

In addition, Meteodat's staff has acquired sound insight into operational issues relating to production, distribution and trading of electrical energy while being in collaboration with several companies:

- AXPO
- Alpiq/ATEL
- Mattmark
- Linth-Limmern
- Vorderrhein
- Sarganserland
- ILL-Werke
- AEK
- Hamburgische Electricitäts-Werke
- swissgrid

Energy Demand Forecasts

- Electrical load forecasts per region for the next few days
- The influence of meteorological conditions on electrical energy consumption
- The influence of meteorological conditions on gas and oil consumption

Energy Production Forecasts

- The influence of meteorological and hydrological conditions on the production capacity of electrical energy

Basis for Energy Price Forecasts

- Meteorological and hydrological forecasts (as air temperature, precipitation, wind, runoff, water temperature and others)

Runoff Forecasts for Dammed Lakes and Rivers

- Seasonal forecasts for large rivers and dammed lakes
- Short-term forecasts for rivers and dammed lakes

Weather Derivatives

- Consultancy
- Tools: custom-tailored solutions on demand

Hydropower Management

- Concepts for operational management of hydroelectric power plants
- Concepts for optimal production schemes of peak energy

Data Delivery

- Meteorological and hydrological data
- customized data format and delivery mode

Custom-tailored Studies

- Market liberalization
- Structure of the Swiss energy market
- Pricing of energy / weather derivatives
- Other energy topics

Meteodat GmbH is convinced of the ever-increasing importance of Swiss hydroelectric power plants. The possibility to deliver – up to the minute – huge amounts of peak energy is of crucial importance in a liberalized European energy market.



Technoparkstrasse 1, 8005 Zurich, Switzerland
phone +41 44 445 34 20, fax +41 44 445 34 24
info@meteodat.ch www.meteodat.ch