

Our Service

Meteorological Support

For meteorological issues, our meteorologists are available on weekdays by e-mail or telephone. energy & meteo systems provides a fixed contact who is familiar with the specific customer portfolio.

Technical 24/7 Support

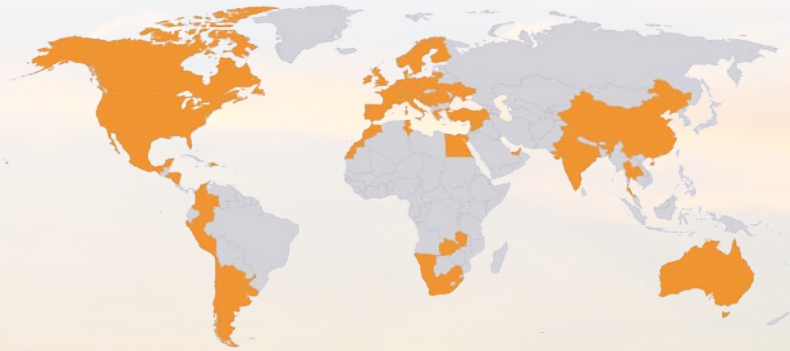
energy & meteo systems offers you around-the-clock IT support with a reaction time of one hour. The 24/7 on-call team is trained for the respective customer system.

Secure Server Operation

We guarantee a high availability of power predictions. In order to make sure operations are conducted securely the system runs parallel in different data centers, separated both spatially and as individual networks.

ISMS Certification

Our information security management system (ISMS) is certified according to ISO/IEC 27001. To ensure that the requirements are adhered to, an independent, external control is carried out once a year.



Flexible. Reliable. Fast.

energy & meteo systems is among the internationally leading providers of energy-meteorological predictions and virtual power plants. With our services, we decisively contribute to the efficient integration of renewable energies into electricity grids and markets.

We predict approximately 50 % of the installed wind and 40% of the installed solar power worldwide and offer further essential forecasts for grid operators and traders.

By optimally combining our power forecasts with our individually customizable Virtual Power Plant, fluctuating decentralized power sources can be reliably integrated into energy grids and profitably marketed on the electricity exchange.

Your Service Provider for Wind and Solar Power Forecasts & Virtual Power Plants

Efficient Integration of Renewable Energies

Power Forecasts and Virtual Power Plant from a single source

While our wind and solar power forecasts are precisely calculating how much electricity can be expected over the next few days and hours due to weather conditions, our Virtual Power Plant in its role as a digital control room is bundling and managing decentralized energy units. Thus wind, solar or biogas plants as well as storage and flexible loads can be seamlessly integrated into power grids and energy markets.

In the process, the strengths and weaknesses of individual generating facilities complement each other and react in a manner similar to a conventional power plant. This includes reliably delivering energy, making system services available and being able to lucratively market balancing power. The Virtual Power Plant collects real-time measurement and market data, manages production plans and information on failures, controlling the many small power generators so these can be implemented as a service beneficial to the grid.

Our power forecasts and our control software for decentralized power generating facilities are optimally interlinked to support both grid operation and electricity trading.

Convince yourself and ask us!

Our services at a glance



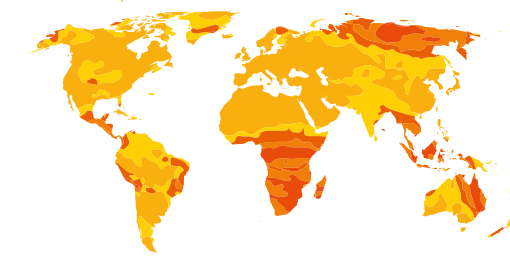
Virtual Power Plant

- Software for market and grid integration of renewable energies
- Monitoring and remote control of decentralized generating facilities and consumers
- Illustration of all direct marketing processes
- Providing system services (FCR, aFRR, mFRR)
- Management of measurement and prediction data
- Software-as-a-Service with 24/7 monitoring



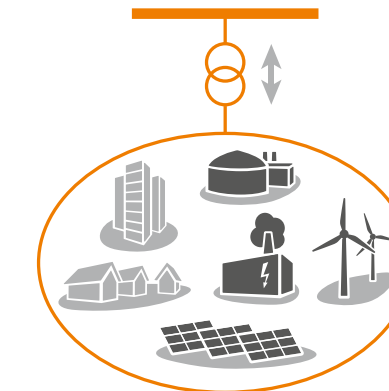
Wind and Solar Power Forecasts

- Forecasts for energy trading and grid operations
 - for any location worldwide
 - for individual power facilities, portfolios, control zones and grid areas
- special, very-short-term forecasts for intraday trading
- Curtailment Forecasts
- Meta-Forecasts
- Situational Awareness Reports



Solar Power Estimations

- online estimation of the current production of solar power
- available worldwide



Grid Load Forecasts

- Vertical load forecast for predicting power flows and grid congestions
- Weather-related current carrying capacity forecast for overhead power lines

Energy Economic Projects and Studies

- for the industry, politics and science
- national and international development projects