

Predictions for Wind and Solar Power Virtual Power Plant

Efficient Integration of Renewable Energies

At its main office in Oldenburg, the nearly eighty-person team which makes up energy & meteo systems is consistently dedicated to a climate-friendly and secure electricity supply.

Here, meteorologists, physicists, mathematicians and industrial engineers work hand-in-hand towards the improved integration of renewable energies into the energy market.

fast. dependable. flexible.

Our Services

Virtual Power Plant

- » Software for market and grid integration of renewable energies
- » Remote control and linkage of decentralized generating facilities and consumers
- » Processing of direct marketing
- » Providing system services (primary, secondary and tertiary reserve)
- » Management of measurement and prediction data
- » Software-as-a-Service with 24/7 monitoring

Wind and Solar Power Forecasts

- » Forecasts for power scheduling 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

Solar Power Estimations

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

Energy Economic Projects and Studies

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

The growing importance of renewable energies presents energy markets and grids with new challenges. With these in mind, our innovative products and services provide security in planning and increased competitiveness.

Since its founding in 2004, energy & meteo systems has offered a multifaceted range of services to integrate renewable energies into the electricity grid and energy markets.

With Previento, we are market leader and currently predict around 25% of the world-wide installed wind power. Furthermore, our Sunecast prediction system provides reliable forecasts for solar power.

Our software “Virtual Power Plant” enabled us to be one of the absolute first to connect decentralized generators of electricity and controllable loads via a common master “control room” display and then incorporate these into various energy markets.

Moreover, we are engaged in several research and development projects on power predictions, grid operations, energy trading and load management. Together with national and international partners, we create guiding and marketable solutions in the above areas.

Our customers count among the leading electricity providers, power traders and transmission and distribution system operators in Europe, America, Australia and Africa.