

REGIONAL AND

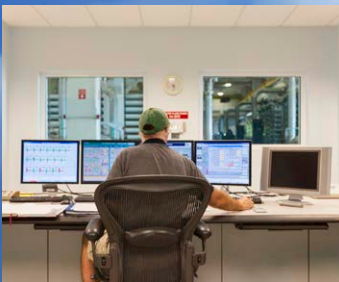
SUPRA-REGIONAL ENERGY PROVIDERS

INNOVATIVE AND HIGHLY
PRECISE WEATHER
SOLUTIONS

YOUR CHALLENGES



MANAGEMENT
OF YOUR OWN
ACCOUNTING GRID



OPTIMISATION OF
POWER PLANT
DEPLOYMENT
PLANNING



CALCULATION
OF GAS LOAD
FORECASTS



CALCULATION
OF YOUR OWN
CUSTOMERS'
ELECTRICAL LOAD



EXACT BILLING FOR
END CUSTOMERS

OUR SOLUTIONS



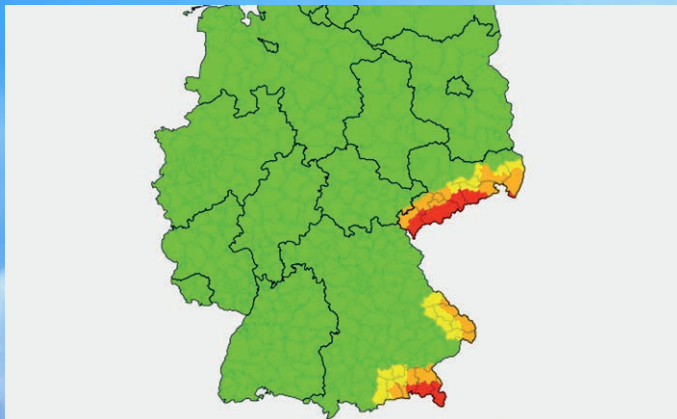
WEATHER DATA

- Historical measurement and climate time series
- Up-to-date measurements for the previous day based on WMO standard (station and point concise)
- Point concise weather forecasts (model output statistics)
- Temperature, global radiation, wind, precipitation, etc.
- Hourly and/or daily values
- Energy management parameters, such as degree day data
- Nationwide weather data for Germany, also at post code or climate zone level



RENEWABLE ENERGY

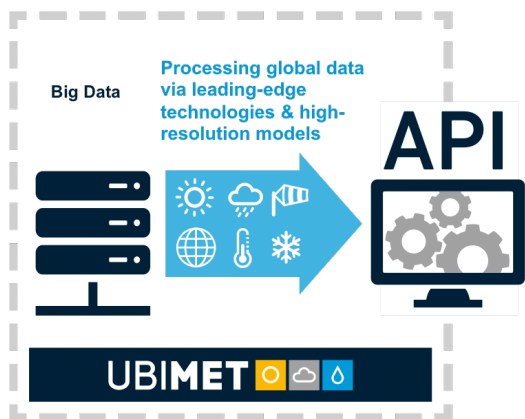
- Highly precise wind, solar and hydropower forecasts



STORM WARNINGS AND ALARMS

- Our own severe weather centre will keep you informed 24 hours day, 365 days a year
- Warnings
 - Provided by experienced storm meteorologists
 - With individual threshold values
 - Warnings cover all types of storms, sleet, thunderstorms, heavy rain, snowfall
- ISO-certified transmission logistics via e-mail, SMS, and the Weather Cockpit®

- ✓ Balancing group and schedule management: optimisation through highly precise weather forecasts
- ✓ Power plant deployment schedule: Optimisation through renewable energy forecasts
- ✓ Sales: Improvement of load forecasts using nationwide German weather data at post code or climate zone level
- ✓ Customer billing: Precise, WMO-compliant weather data for consumption analyses
- ✓ Risk management: Increased safety thanks to point and concise storm warnings



PROVISION OF DATA

- Unique and reliable data supply
- Via web interface or data feed
- All standard delivery options (incl. sFTP, API, e-mail)
- Flexible formats (incl. CSV, XML etc.)

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ABOUT UBIMET

UBIMET is the leading weather service provider of the energy industry and one-stop shop for high-quality data, a proprietary lightning detection network, weather alerts and tailor-made meteorological solutions. The founder-led company with offices on three continents stands for reliable, highly precise weather information and digital information services for weather-dependent companies.

As a global innovation leader, top insurers and energy providers, infrastructure operators, media and sports companies to champions of the new economy place their trust in us. UBIMET offers high-quality meteorological data, forecasts and warnings which enable weather dependent industries around the globe to increase safety and efficiency.

www.ubimet.com

To accommodate the high demands of the energy industry, UBIMET offers:

INDUSTRY-SPECIFIC KNOW-HOW

- A center of excellence with 20 experts focused entirely on the energy sector in Karlsruhe
- 15 years of energy industry know-how and expertise
- R&D spending of 25% of annual revenue on international research projects in the areas of energy & mobility, smart cities as well as disaster management

HIGH PRECISION METEOROLOGY

- One of the world's largest weather data bases (weather stations, satellites, radar, proprietary lightning detection network)
- Access to the world's leading global weather models (including ECMWF and GFS)
- Self-developed, high resolution weather-analytical tool HYDRA (resolution up to 100 m)*
- Self-developed, high resolution local weather model RACE (resolution up to 100 m)
- In-house 24/7 severe weather center with experienced meteorologists
- Highly precise wind and solar power production forecasts
- Protected method for feed-in management (EinsMan) and volume forecasts**

LEADING EDGE IT INFRASTRUCTURE

- Four global data centers processing more than 90 TB of data per day (Big Data)
- Intuitive and state-of-the-art platform solutions with our Weather Cockpit®
- Full integration of weather data into customer IT systems via secure data transmission, sFTP-Server and cutting-edge API solutions

* The invention, on which our solutions is based, has been registered for patent (European patent application No. 17450001.7 as well as US Patent Application No. 15/860.189) by UBIMET.

** The invention was protected as utility model (DE 20 2017 100 343.4) and has been filed for patent (DE 10 2017 101 265.6, European patent application No. 18152474.5 as well as US patent application No. 15/879,326) by UBIMET. The invention was protected as utility model (DE 20 2017 100 343.4) and has been filed for patent (DE 10 2017 101 265.6, European patent application No. 18152474.5 as well as US patent application No. 15/879,326) by UBIMET.

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