

# ENERGY TRADING REAL TIME, SHORT AND MEDIUM-TERM OPTIMISATION

THROUGH INNOVATIVE  
WEATHER FORECASTING  
SOLUTIONS

## YOUR CHALLENGES



ANALYSING THE  
INFLUENCE OF  
WEATHER ON  
THE GAS AND  
ELECTRICITY TRADE



OPTIMUM  
ESTIMATION OF  
ELECTRICITY  
PRODUCTION FROM  
RENEWABLE ENERGY  
SOURCES



DIRECT MARKETING  
OF RENEWABLE  
ENERGY



OPTIMISATION OF  
SPOT MARKET  
FORECASTS



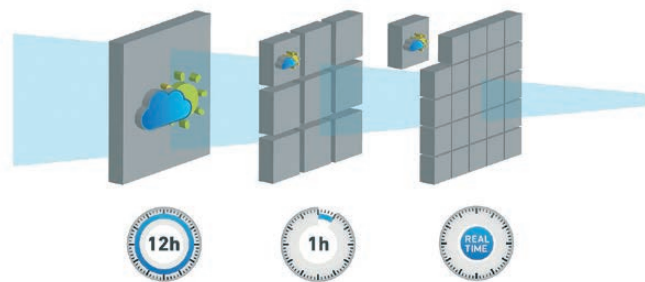
DEVELOPMENT  
OF NEW TRADING  
STRATEGIES

## OUR SOLUTIONS



### RENEWABLE ENERGY

- Highly precise wind, solar and hydropower forecasts
- One-of-a-kind feed-in management solutions
- Long-term comparison of wind and solar feed-in

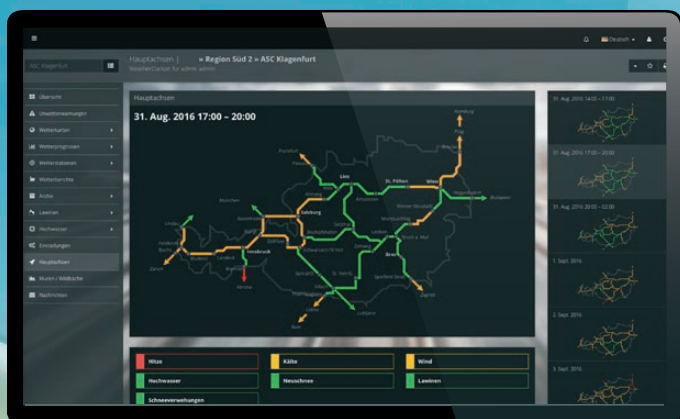


### WEATHER DATA

- Historical global measurements and climate time series
- Long-term meteorological energy re-analysis data covering many years
- Up-to-date measurements, satellite and radar images
- Concise lightning tracking system powered by nowcast
- Weather forecasts for locations, countries, grid regions and densely populated areas
- Precise weather analyses in real time (HYDRA)
- Dedicated, highly precise short-term weather model (RACE)
- Population weighted energy trading forecasts



# SOLUTIONS

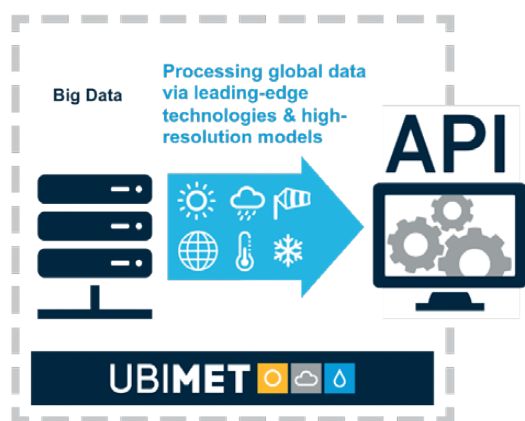


## WEATHER COCKPIT®

- Online representation of weather information
- Renewable energy and feed-in management forecasts
- Weather forecasts for locations and countries
- Real time weather analyses and model forecasts
- Live weather data (satellite and radar images, lightning)

# YOUR BENEFITS

- ✓ Pricing models: Optimisation thanks to highly precise weather, wind and solar forecasts
- ✓ Direct marketing: Minimisation of compensation energy costs thanks to highly precise portfolio forecasts (neuronal networks)
- ✓ Spot market forecasts: Optimisation thanks to high frequency forecast updates
- ✓ Speculative trade: Anticipation of price fluctuations thanks to innovative feed-in management solutions
- ✓ Data preparation for traders: well-structured online depiction in the Weather Cockpit®



## 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.)

## CONTACT

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## ABOUT UBIMET

UBIMET is a leading commercial provider of precise meteorology services and severe weather warnings. The global company is headquartered in Vienna, Austria and has offices in Karlsruhe, Melbourne, Munich, New York and Zurich employing 250 staff from 25 nations. UBIMET provides high-quality meteorological data, forecasts and alerts enabling weather-dependent industries around the globe to increase safety and efficiency.

UBIMET's expertise and reliable weather solutions have convinced customers from industries such as aviation and rail, construction, energy, insurance, media as well as event organizers. UBIMET has delivered accurate weather data to Formula 1 since 2014, and our services are widely used by the Australian Sailing Team, PGA, FFA and other major sports organisations.

The company was founded as a start-up by Michael Fassnauer and Manfred Spatzierer in Vienna in 2004. The two founders, driven by a passion for meteorology, are still the driving force behind the company today. Red Bull has been a strategic partner since 2012, expanding the company's global reach.

[www.ubimet.com](http://www.ubimet.com)

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

### INDUSTRY-SPECIFIC KNOW-HOW

- Over 20 experts dedicated entirely to the energy business in Karlsruhe
- The company invests more than 25% of its annual revenues in international research projects in the fields energy & mobility, smart cities and disaster management

### HIGH PRECISION METEOROLOGY

- One of the world's largest weather databases (weather stations, satellites, radar, lightning)
- Access to the world's leading and global weather models (incl. ECMWF and GFS)
- Own, high resolution local weather model RACE (precision up to 100 m)
- Own 24/7 severe weather centre
- Protected method for feed-in management volume forecasts

### ULTRA-MODERN TECHNOLOGICAL INFRASTRUCTURE

- Six global data centres providing more than 70 TB of processed data per day (big data)
- Our Weather Cockpit® provides intuitive and state-of-the-art platform solutions
- Full weather data integration into customer systems thanks to modern API solutions

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