

# HIGH-PRECISION WEATHER FORECASTS FOR THE ENERGY INDUSTRY

...BECAUSE WEATHER  
INFLUENCES THE ENERGY  
LIFECYCLE



# YOUR CHALLENGES



WHERE TO EXPECT  
DISRUPTIVE WEATHER  
EVENTS



QUICK IDENTIFICATION  
AND RESTORATION OF  
OUTAGES



LOCALIZATION OF  
LIGHTNING STRIKES



AVOIDANCE OF ICE  
ON POWER LINES

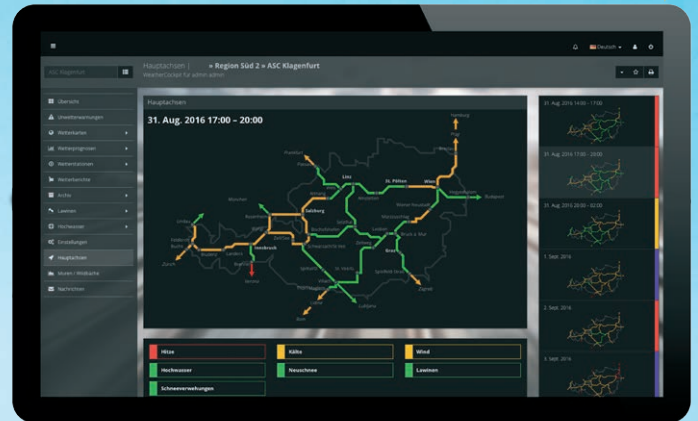


PREDICTION OF  
RENEWABLE ENERGY  
PRODUCTION



WHEN TO SCHEDULE  
MAINTENANCE  
ACTIVITIES

# OUR FEATURES



## GRID SURVEILLANCE

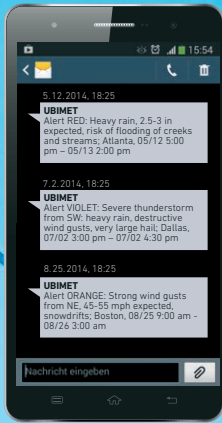
- Real-time overview of current and upcoming weather situation along the grid
- One consistent warning and alert system
- Provide high-precision weather information
- Indicate weather affected grid parts and components
- Define individual working conditions
- Archive functionality enabling traceability



## RENEWABLE ENERGY

- High-precision forecasts for wind, solar and hydro power
- Simulations and re-analysis for planning purposes
- Support location selection
- Identify maintenance windows

# YOUR BENEFITS



## INCREASE EFFICIENCY



- Shorten grid restoration time after outages
- Increase grid component availability
- Optimize resource management
- Quicker decision process

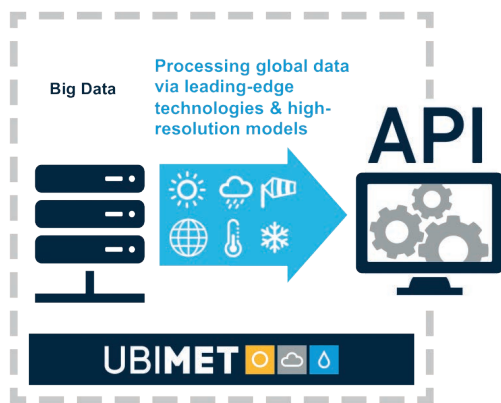
## WARNING SERVICES

- Weather-related warnings when parameter thresholds are exceeded (e.g. wind, temperature, precipitation, snow)
- Severe weather warnings provided by experienced meteorologists
- Ability to precisely define user groups receiving alerts
- Distributing warnings via e-mail and text message

## REDUCE COSTS



- Reduce weather-related outage penalty-fees
- Enhance resource utilization
- Benefit from predictive maintenance
- Take advantage of high-precision information



## DATA INTEGRATION

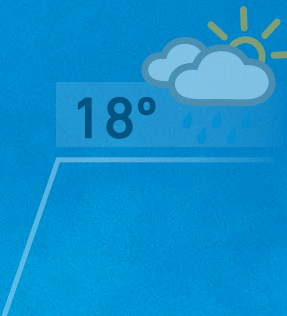
- Provide actual and forecast data and animated maps
- Integrate information into existing systems (e.g. SCADA)
- Supply different weather parameters and indices
- Worldwide availability

## ENHANCE SAFETY



- Prevent weather related accidents
- Decrease damages to grid infrastructure
- Grid wide weather warning system
- Enhance overall sense of safety

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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.

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