

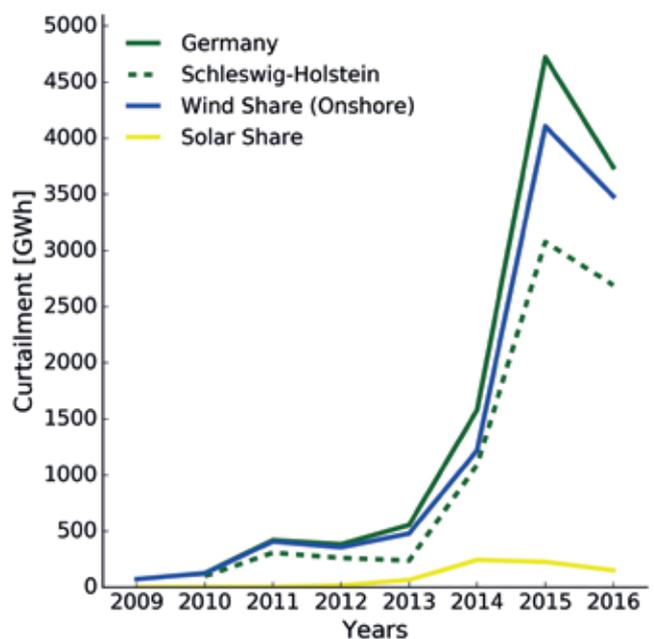
EINSMAN MONITOR*

REAL-TIME INFORMATION ON THE DEACTIVATION OF RENEWABLE ENERGY SOURCES



The expansion of renewable energy (RE) in Germany increasingly leads to grid bottle-necks on the decentralised level. As a result, renewable energy sources are deactivated. These service changes are relevant for distributors, whose trading positions are exposed to the short-term price of electricity in Europe. Moreover, this also affects direct marketers in their own balancing group if grid restrictions cause the projected production performance of the marketed facilities to systematically deviate from the respective marketed volume.

The EinsMan Monitor will provide you with real time key information concerning the deactivation of renewable energy, in conjunction with feed-in management. To achieve this, UBIMET combines the insights gained from its own renewable energy forecasts with grid bottleneck management notifications. Through the aggregation of the available real time information, you will receive vital assistance with your decision-making processes.



Development of feed-in management in Germany

PRODUCTS

• EinsMan Forecast Portfolio

We combine our insights gained from the renewable energies forecast with real-time grid bottleneck management notifications and report any deactivations to your customised portfolio. If desired, we can provide solutions that are site-specific and tailored to any type of RE technology. This solution is particularly interesting for grid operators and direct marketers.

• EinsMan Forecast Germany

We forecast the managed feed-in electricity volume to be anticipated in Germany; if needed we can even provide this information for each control area. This is especially useful for spot traders.

* The invention that forms the basis of our solutions is protected as a utility model (DE 20 2017 100 343.4) and has also been filed for a patent (DE 10 2017 101 265.6).

YOUR BENEFITS

✓ Short-Term Trading

Sometimes multiple GWs of renewable energy production potential are not fed into the system as part of the feed-in management process. Knowledge of future renewable energy deactivations goes hand in hand with improved price fluctuation anticipation and all related advantages

✓ Grid Operation

The grid operator is responsible for the secure operation of the grid infrastructure. UBIMET's feed-in management forecast helps grid operators anticipate critical grid scenarios.

✓ Direct Marketing

Whenever production of renewable energies that are allocated to an operator's own balancing group is reduced as part of the feed-in management activities, balancing group discrepancies paired with an increased demand for balancing power arise. UBIMET's forecasts help operators minimise these uncertainties.

CUSTOMISED AND FLEXIBLE DATA PROVISION

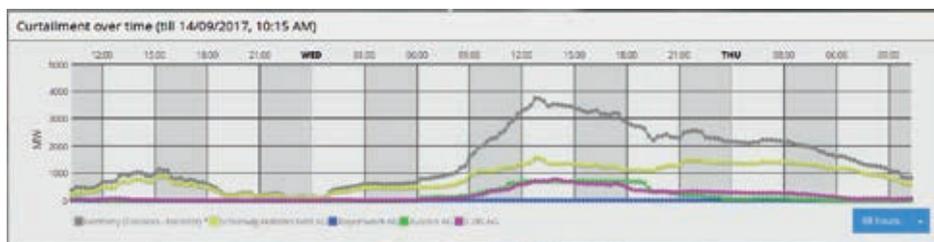
- Data displayed in the online Weather Cockpit® as a time series. The forecast horizon can be customized. Visualization of the EinsMan monitor can be optionally added.
- Format: CSV, EXCEL, XML
- Supplied as: E-mail, (S)FTP, web services
- The forecast horizon will be adapted to match your traded products

COMBINATION POSSIBILITIES

- UBIMET EinsMan Forecast
- UBIMET Wind Power Forecast
- UBIMET Solar Power Forecast
- UBIMET Weather Forecast

“Feed-in management activities now affect all regions of Germany.”

(Monitoring report 2014, Bundesnetz- agentur [German Federal Network Agency])



Time series of the renewable energy sources, which are regulated by the feed-in management in a control area, a distribution network and a portfolio.

CONTACT

GLOBAL HEADQUARTERS

UBIMET GmbH
 ARES Tower
 Donau-City-Straße 11
 1220 Vienna
 Austria
 T +43 1 263 11 22 0
 E info@ubimet.com

GERMANY

UBIMET GmbH
 Schönfeldstraße 8
 76131 Karlsruhe
 T +49 721 663 23 0
 E germany@ubimet.com

ABOUT UBIMET

Increase efficiency, reduce cost and enhance safety. These objectives can be achieved in the energy market with UBIMET weather data solutions and services. We offer high-quality hyper local and timely weather data, meteorological analyses as well as short- and medium-term forecasts for customers in the energy sector. For more information on our comprehensive product and solution portfolio, ranging from standardised products to specific tailor-made solutions please visit www.ubimet.com.