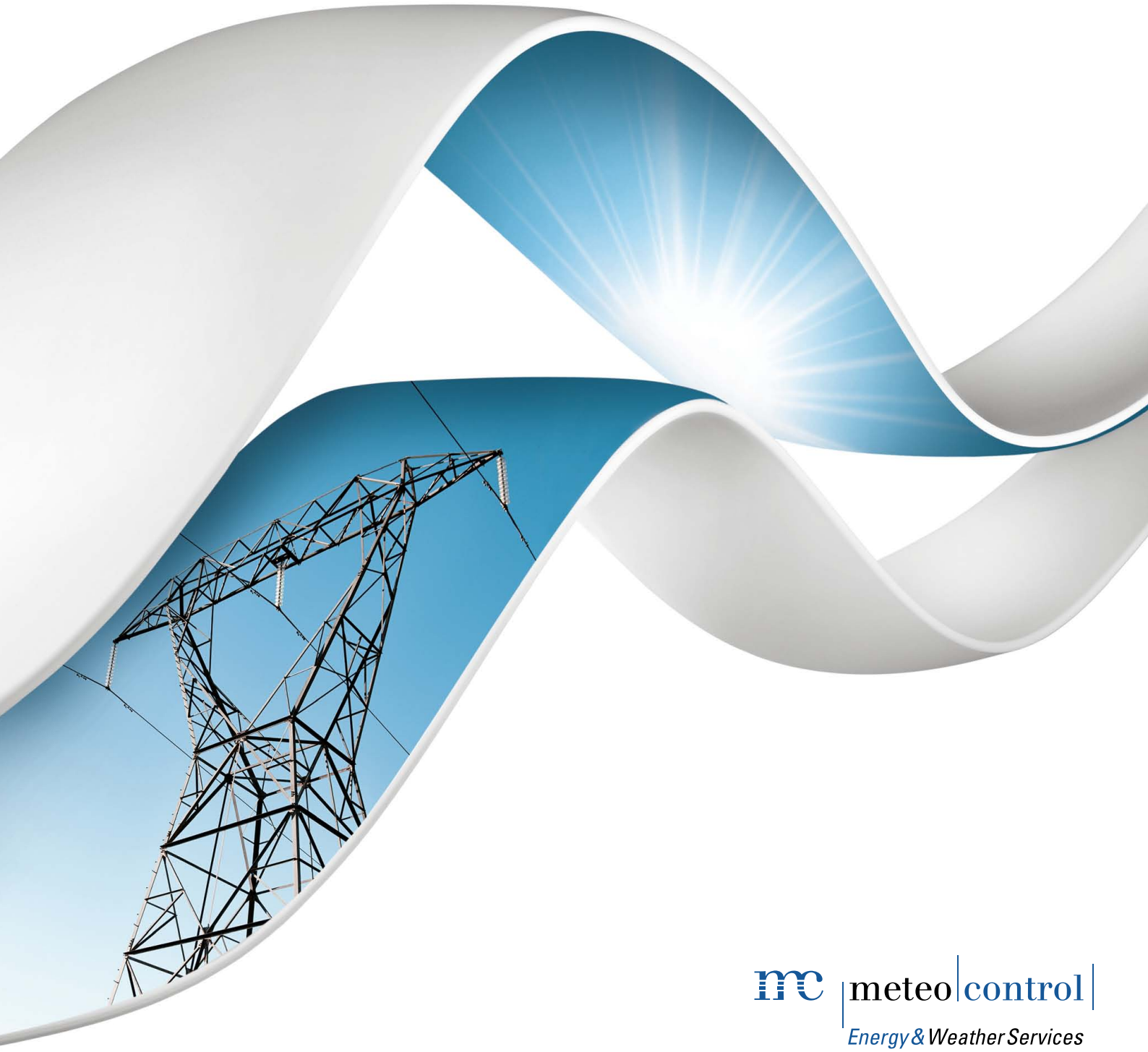
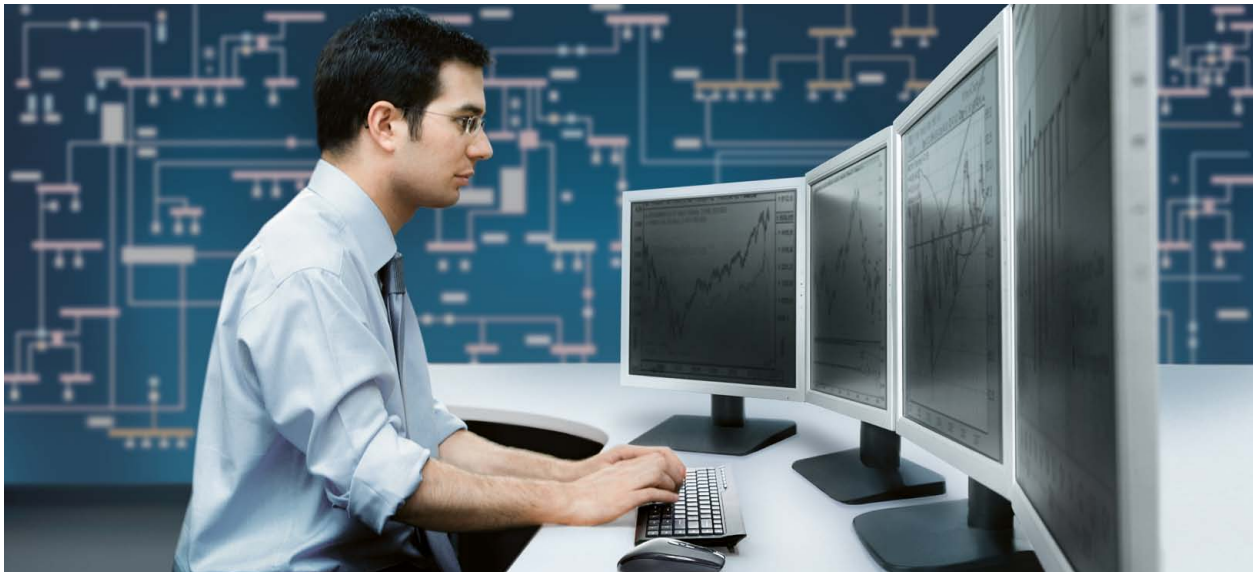
FORECASTING SOLAR ENERGY YIELD

Raising efficiency and optimizing costs for energy producers, grid operators and trading companies



meteo control
Energy & Weather Services

Solar power accounts for an increasingly large share of today's energy mix. It is therefore becoming more important for grid and power plant management. Accurate solar yield forecasts are crucial for ensuring a perfect balance of energy requirements from multiple sources. They allow operators to reduce expensive operating reserves and increase cost efficiency.



ACCURATE SOLAR ENERGY FORECASTS FOR EUROPE

In collaboration with the University of Oldenburg, meteocontrol has developed a reliable method of forecasting photovoltaic yield. This procedure is based on best-in-class meteorological data and yield simulations from over 23,000 monitored photovoltaic installations. Combining data in this way produces the most accurate forecasts available in Europe.

> Highly accurate meteorological data: meteocontrol uses high-precision weather forecasts from the European Centre for Medium-Range Weather Forecasts (ECMWF). These prognoses are consolidated every hour using the latest satellite data with a spatial resolution of up to 2.5 km x 2.5 km.

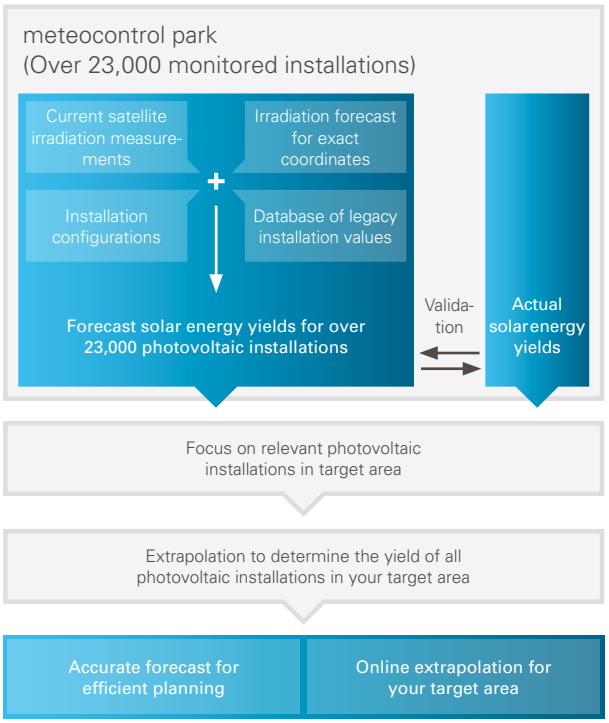
> Broad reference pool: meteocontrol is the market leader in professional monitoring of photovoltaic installation, with a reference portfolio in excess of 3.8 GWp. The company has access to data on the direction, tilt and yield of all monitored installations, giving it a representative base for solar energy forecasts.

> Reliable solar capacity forecasts: The data pool is used to forecast solar yield up to three days in advance for individual supply area, grid management zones or entire countries.

> Online monitoring: actual energy values are transferred every fifteen minutes, enabling short-term forecasts of energy feed. The forecasts are constantly refined by benchmarking actual and target electricity yields.

HOW IT WORKS

Measured values and forecasts from the installations in meteocontrol's portfolio are used to forecast the expected yield of all photovoltaic installations in your area.



meteocontrol GmbH | Spicherer Strasse 48 | 86157 Augsburg | Germany | Phone +49 (0)821 34666-0 | Fax +49 (0)821 34666-11
E-mail info@meteocontrol.com | Web www.meteocontrol.com