

Use case

Electricity price forecast

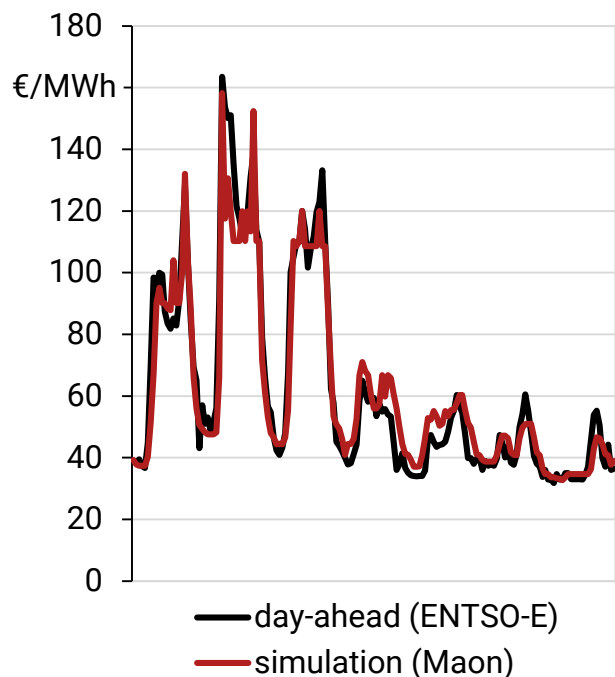
NEED FOR PRICE FORECASTING?

Short-term traders and long-term investors need electricity price forecasts for resilient trading and investment decisions.

WHAT CAN BE DELIVERED?

Maon forecasts electricity prices using an optimization model. Peak and base prices as well as hourly price forward curves can be derived. The mixed-integer procedure involves done and avoided fuel start costs for mark-ups and price spikes. In doing so the fundamental approach enables modelling special events like the cold spells during January 2017 where central Europe experienced unusually low temperatures and high day-ahead prices. The graph compares thereof historical prices with derived prices.

GERMAN SPOT PRICES 23RD TO 29TH JANUARY 2017



WHAT ARE THE BENEFITS?

Latest discoveries in research were transferred into the digital platform, so that cutting-edge decision support can be achieved. Prerequisites like high-performance computing cluster, cloud storage, scenario management, solver, simulation and input data sets are integrated and ready to start.