



Improved
demand
forecasts reduce
the cost of
imbalance

Powel Demand - Electricity demand forecasting

The difficulties of forecasting the market demand for electrical energy are well known to participants in the energy market. The financial penalties for inaccurate forecasts can be large, as the market is highly intolerant to imbalances. Meeting contract obligations on power delivery depends on reliable forecasting methods and tools.

Powel Demand is an ideal forecasting solution for any company involved in the electricity power market - either as producer, supplier, retailer or even as a system operator. It provides accurate demand forecasts based on historical information and weather forecasts

Powel Demand could also be used to forecast the power demand for other energy sources that are related to the variations in the weather, such as gas and thermal heating.

Model the Demand forecasting process in Nimbus

The update and forecasting process in Powel Demand can be done by using Powel Nimbus. Powel Nimbus is a process oriented user interface covering the whole data flow including input data control and correction and results using time series reports with charts, tables and status monitor. This process can be a user-configured task with different work steps and automatic set up on a daily basis with a deadline.

A chart function allows the user to correct the time series data graphic. It is also possible to store the delta change in a separate time series for later analysis.

Powel Smart Energy

Powel Demand is part of the Powel Smart Energy portfolio for energy planning, which consists of integrated modules for forecasting, simulation and optimization, trading, settlement, position management and nominations.

The Powel Smart Energy portfolio utilize Powel Time Series Manager, which automatically collects, controls, corrects, scales, sums and stores input and output data in the database to be used in the different processes.

