

+ PSIcontrol Forecasting

PSIcontrol Forecasting System for Loads and Distributed Energy Resources

The innovative and comprehensive solution

- + Self-learning algorithms
- + Create your own model
- + Integrated, yet fully transparent solution
- + Highest performance also for large data models
- + Optimal scalability



PSI 

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Forecasting

PSIcontrol provides integrated functionality for forecasting loads and infeeds. All operations starting with parameterization, forecasting, evaluation and ending with result display can be carried out directly in the control system. Forecasts can be provided for power, gas, water and district heating as well as for the fluctuating generation by distributed energy resources, including wind power and photovoltaics.

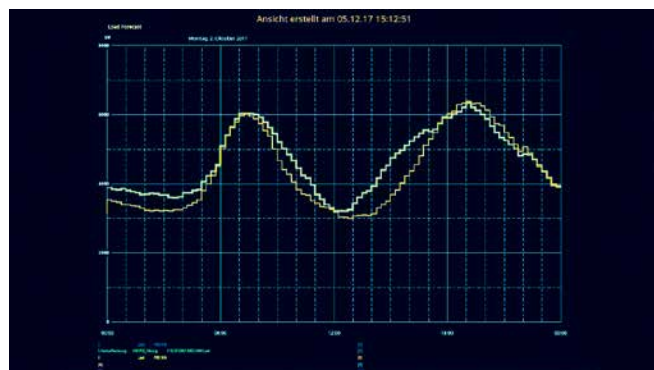
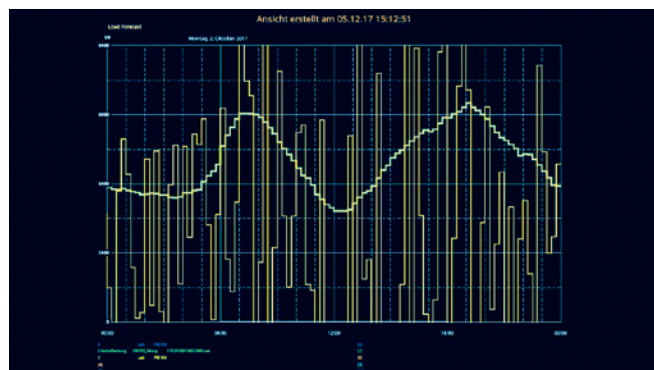
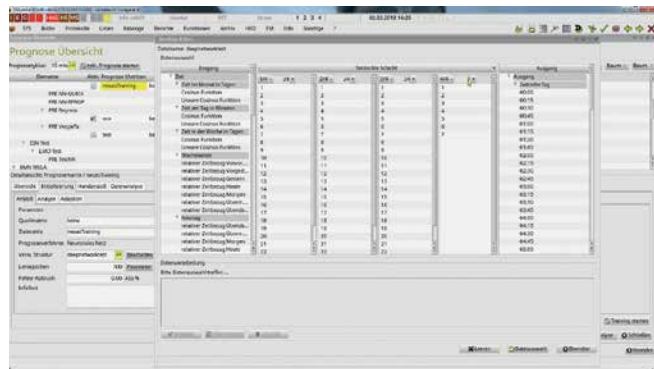
PSIcontrol offers various methods for forecasting; among which are Neural Networks. The definition of the required forecast and the corresponding input data are defined in the control system. Periodic retraining supports adapting to changing generation and demand over time.

Combining the results from several methods and mathematical procedures provides more realistic and more precise results compared to single method forecasts.

Forecasting methods supported by PSIcontrol are:

- Neural Networks
- Linear Regression
- Extrapolation
- Similar Day Load Forecasting
- ARMA Models

All processes necessary for forecasting are highly automated. This allows concentrating on using the results provided.



Your Benefits

- + Self learning algorithms assure that the forecast is always up-to-date
- + Generation forecasting for DER
- + Optimal adoptability to all forecast types, supporting to model area specific characteristics

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