

**Self-optimizing power plant of E.ON uses ProCom solution**

## **More profit with BoFiT: Fully automatic distribution of power plant flexibility in short-term trading**

**Aachen (Germany), September 2019** – Those who want to increase the profit of their power plants and market free flexibilities in short-term trading or on the control power market around the clock will find the right solution in ProCom's BoFiT Optimization.

BoFiT maps generation or trading portfolios in one model. Based on this mathematical model, the solution examines possible plant deployment scenarios and optimizes them against the existing market channels. BoFiT considers technical restrictions of the generation plants, available storage capacities, fuel costs, weather, demand and price forecasts as well as all delivery obligations and calculates the optimal plant schedules on the basis of the information.

The optimization is used at E.ON's iQ CHP, the "intelligent power plant", at DSM Nutritional Products GmbH in Grenzach-Wyhlen (near Basel). The combined cycle power plant thus supplies a DSM site and is highly automated.

The optimization solution BoFiT from ProCom creates schedules, the iQ CHP platform implements the trade and the schedule in real time and allows the optimization to flow into the system without manual intervention. The result is a self-optimizing power plant operation with maximum revenues from the electricity and balancing power market.

The close cooperation between E.ON and ProCom made a significant contribution to the success of the project. E.ON plans to use this solution at other industrial sites in the future. Next, BoFiT optimization will be used in an E.ON industrial power plant in the UK.

Dr. Pasquale Cardamone, Senior Project Manager at E.ON Energy Projects GmbH: "The modular structure of E.ON's iQ CHP and the possibilities of individual power plant modelling with BoFiT have made an excellent integration of the ProCom software into the power plant environment possible."

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## **About ProCom**

ProCom provides customized and highly innovative software solutions for the energy industry and the automation technology for more than 40 years. The energy business unit offers consulting on all matters relating to the core value creation chains of energy companies, thus covering the entire spectrum from generation and storage through trading to distribution. With their excellent knowledge of business processes, data flows and IT as well as individual consulting, ProCom experts provide support for the implementation of strategic objectives through to operations.

Energy portfolios covering all timelines and markets are managed in an optimum manner using IT solutions, forecasts and market information services. The software can be flexibly integrated into almost any IT structure. More than 150 customers throughout the energy industry's value creation chain benefit from ProCom solutions, which make energy portfolios and processes more efficient and transparent. IT solutions from ProCom can be your means to leveraging value by processing of data flows and turning them into understandable information. This identifies and reveals potentials. Even in extremely complex situations, you keep an overview, remain flexible and have the capacity to act. At its headquarter in Aachen and locations in Cologne, Berlin, as well as Ningbo, China, the family business has more than 120 employees from twelve countries and pursues a clear strategy of growth and internationalization.

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