

Value BoFiT Optimisation

BoFiT Optimisation is a tool that maps your generation and trading portfolio into a mathematical model. Based on this model, optimisation tasks can be formulated and calculated for the various business processes - especially in context of CHP, sector coupling and industry.



BoFiT Optimisation makes it possible to operate energy plants of different sizes within a managed portfolio in the best possible way. This applies equally to renewable energy plants, conventional power plants and storage systems.

Key Benefits:

01

Make strategic investment decisions and carry out operational planning with ease.

BoFiT Optimisation is a tool that maps your generation and trading portfolio into a mathematical model. Based on this model, optimisation tasks can be formulated and calculated for the various business processes - especially in context of combined heat and power (CHP), sector coupling and industry.

Plant operation should be run at the lowest possible cost, with the highest possible profit and, above all, sustainable. It is not only a question of ensuring reliable generation, but also of conserving resources and successfully participating in the market.

02

Modelling based on BoFiT's no code approach and comprehensive workflow support.

Who is BoFiT Optimisation for?

If you are a municipal utility company that produces electricity and heat, BoFiT Optimisation provides you with optimal plant schedules while adhering to all technical, economic and contractual constraints. In addition, BoFiT supports you within the heat transition.

03

Integration of the intraday market and generation of steerable generation plans.

If you are an industrial company with own energy supply, BoFiT Optimisation calculates the optimal plant schedules taking into account the demand of power and steam at your location. More and more, technologies for reaching the CO₂ targets are considered.

04

Can be used from everywhere by using an optional web-based user interface.

As a marketing service provider with own and third-party energy assets, BoFiT Optimisation helps you create generation and demand forecasts as well as keep track of the remaining flexibility.

Multi-market optimisation

BoFiT supports optimisation across multiple market channels and covers all planning horizons (investment, long-, medium- and short-term planning as well as performance monitoring).

User-friendly modelling

The model is created graphically, without the need for special mathematical expertise. By creating variants, a basic model can be used for all business processes.

Intraday

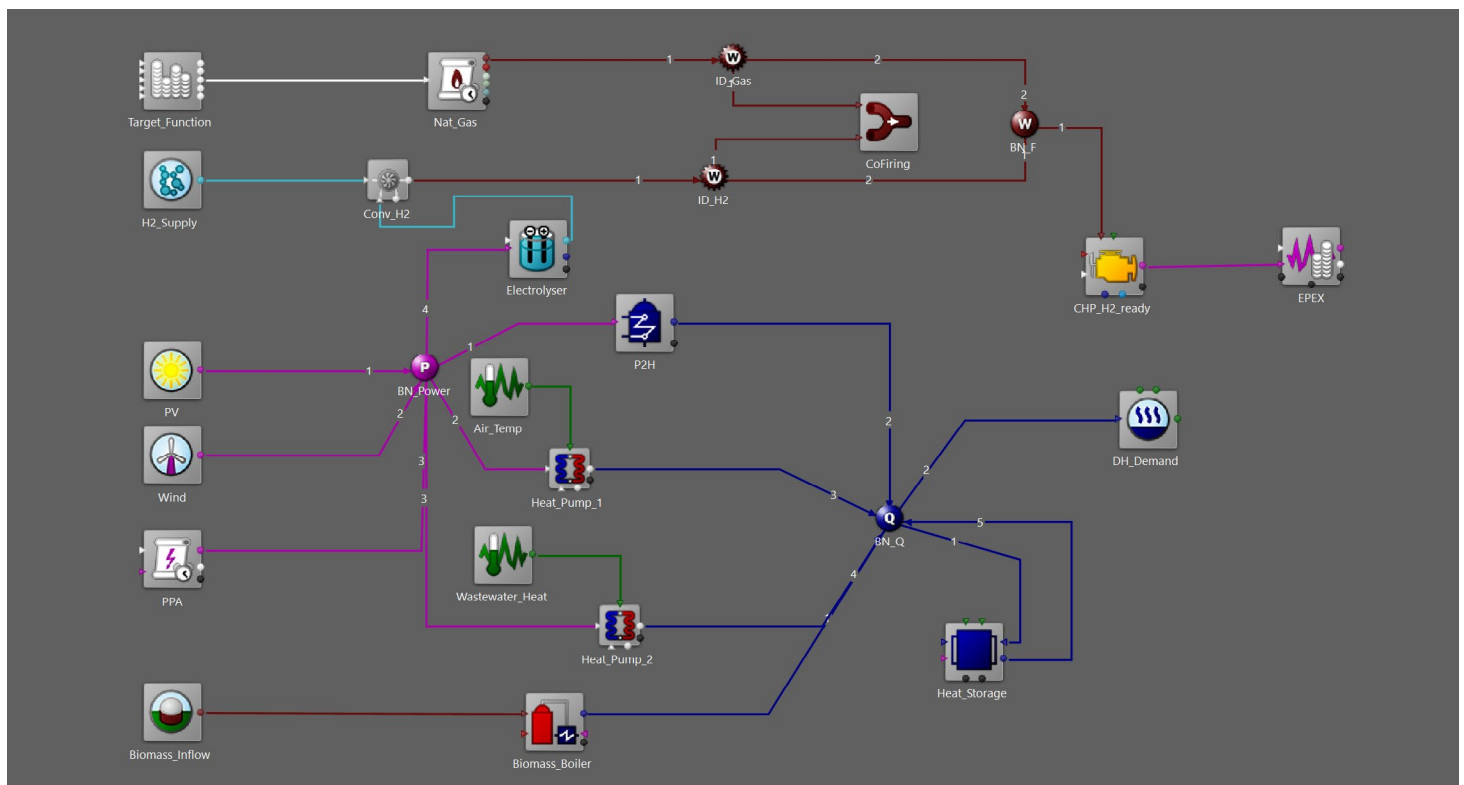
The intraday market is fully integrated into the optimization solution. BoFiT generates trading recommendations based on real-time order book data. Thereby, customers with direct and indirect market access are supported both.

Web-based dashboard

Through Thedora Dashboard, BoFiT can be extended with a web-based user interface. This allows you to create user-defined, modern operator interfaces for the daily tasks of the short-term process. The dashboards can be designed as needed – e.g. role-specific for planning and dispatching.

Heat transition
BoFiT enables the assessment of the technical potentials and simulation calculations for municipal heat and transformation planning. This is done by modelling the possible local generation alternatives for the stepwise implementation of CO₂ neutrality as well as by simulating the changed generation portfolios, taking into account price and load forecasts for different sampling years. A comprehensive library of components, including subsidized technologies, is available for the development of a concrete decarbonisation pathway.

Decarbonization of industry
BoFiT is already making a major contribution to cost and CO₂ reduction in the industry. In the course of decarbonization, energy-intensive industrial sectors in particular are facing further challenges. BoFiT is also the right instrument for the associated planning tasks in order to optimize the transition of the energy system.



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