



flexibility brAI_n by FUERGY

Fully automated management of energy sources and technologies with the potential for regulation or accumulation:

- Heat pumps
- Furnaces
- Reservoirs and tanks
- HVAC systems
- Compressors
- PV systems
- Other technologies and energy sources



Software solution with zero initial costs



Immediate savings in the form of a success fee



Fast implementation



Efficient reduction of CO₂ emissions

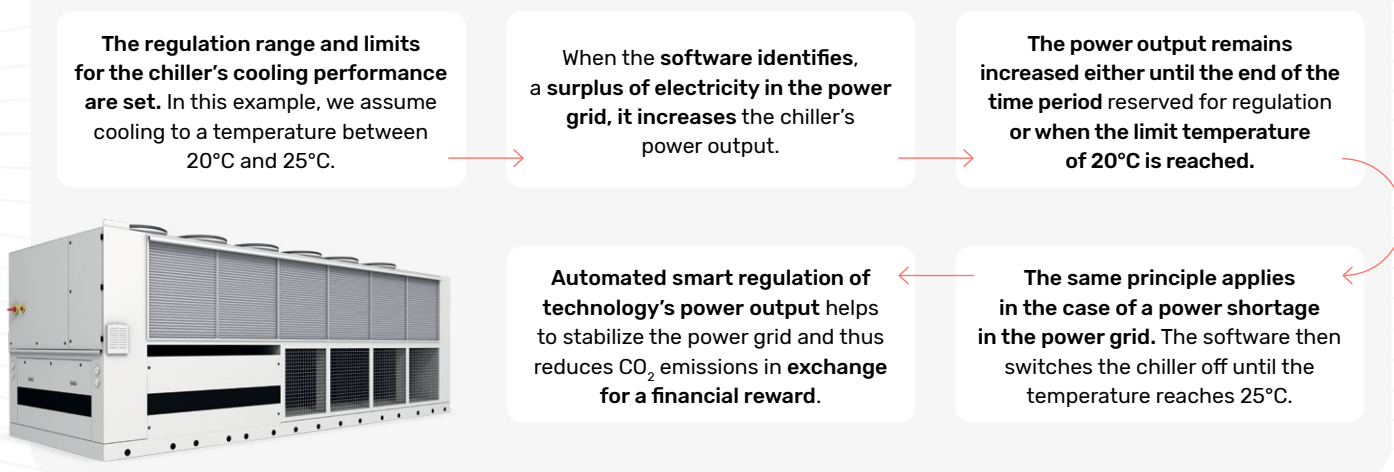
Flexibility brAI_n is available as a standalone service or as an extension to smart battery storage brAI_n.



How does the flexibility brAI work?

1. For each energy source or energy-intensive technology, the conditions and limits within which the regulation can be activated are set. This will ensure that the activation of flexibility brAI won't interfere with the customer's operations or reduce the comfort of the users.
2. Based on online data and AI predictions, such as customer's electricity consumption, situation in the power grid, electricity prices, or electricity supplier's load deviations, the software identifies those time periods during which the power regulation generates a financial effect. It also identifies the optimum amount of regulation power, i.e. the power decrease or power increase, that should be activated through a given source or technology.
3. The increase or decrease of the power output is activated through the system for Measurement and Regulation, the so-called MaR, in a fully automatic mode, which also guarantees the best possible financial results. Manual mode is available upon request.
4. The user of flexibility brAI earns a success fee, i.e. a share of the total financial effect achieved. Such energy management helps to stabilize the power grid in an efficient and emission-free manner, which means that the user of flexibility brAI also contributes to the reduction of CO₂ emissions on a national level.

Example – chillers



Financial results achieved in Q3 2022

Average monthly effect → **50 EUR per 1 kW of regulation power¹**
Investment costs → **0 EUR**
Implementation period → **1 to 2 weeks**

Textile plant

flexibility brAI
for chillers

Maximum power:
700 kW



National Football Stadium

flexibility brAI
for heat pumps

Maximum power:
3.15 MW



Ironworks

flexibility brAI for arc furnace
and hydropower plant

**Maximum power of the
arc furnace:** 35 MW

**Maximum power of the
hydroelectric power plant:** 2.5 MW



¹ The regulation power represents approximately 10% of the maximum power of the technology. In case the technology is regulated by its total switching off and on, the regulation power corresponds to the maximum power of the technology.