



Industry: Building Services Engineering
Company: Property Investor
Location: Frankfurt, Germany
Baelz Technology: Compact District Heating Station Moduline®

WANT TO SAVE ENERGY?

A three-part building complex, erected in 2002 with a total of 17,600 m² of residential and office space, is supplied with hot water district heating. The previous system fed the hot water directly to a plate heat exchanger at a temperature of approximately 120 °C. With the conventional throttle circuit it was impossible to fine-tune the system to suit requirements. Additionally, the high flow temperature led to scaling and thus to reduced heat exchanger efficiency.



BAELZ OFFERS SOLUTIONS.

In the Moduline transfer station, the water ejector regulates the temperature and volume flow before entry into the heat exchanger.

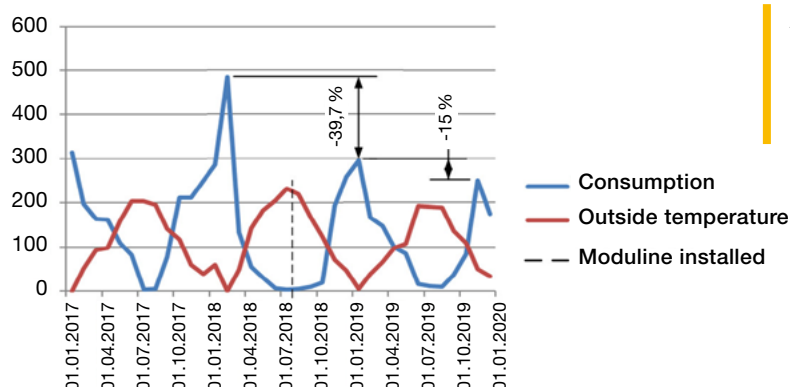


Example of a Moduline station, in this case with 245 kW output

You benefit from:

- low return temperature to the heat generator
- fast response to load changes
- only one main pump → lower energy costs
- savings on equipment and installation
- fewer higher-level control data points
- hydraulic stability

RESULT



A sustainable, energy-optimized system that reduces heating and operating costs.

