



> 2,400 tons

CO₂ reduction per year

€ > 925 k

Energy and operating
costs savings per
year

€ 1 million

Subsidies received
through energy-efficient
implementation concept

New Energy Plant

Ferring GmbH, Kiel Germany

"The new energy plant supplies us highly efficiently with electricity being generated on the factory site and with heat, cold and compressed air required for production. Therewith, we achieve a high level of energy cost savings and reduce CO₂ emissions by around 2,400 tons per year."

Frans van den Braak,
Head of the Kiel location of Ferring GmbH

Reference

New energy plant Ferring GmbH Kiel

Ferring GmbH, Kiel is specialized on the production, freeze drying and microencapsulation of pharmaceuticals. The production site in Kiel is continuously being modernized and expanded. In the scope of the latest expansion, a new, efficient energy center was built.



Challenge

- Site expansion with a new production building leads to an increase in energy requirements (electricity, heat, cooling, steam and compressed air)
- High demands on efficiency and availability of energy and media supply
- Goal: Efficient, sustainable and reliable **energy supply**



Solution

- Conception, planning and construction of a new **energy plant**, including CHPs, heating and steam boilers, refrigeration machines and air compressors, as well as plant peripherals and piping connections.
- Optimized operational management of energy plant including visualization and control via Siemens automation system Desigo
- Siemens takes over the operational management of the energy plant as part of a full-service contract with performance guarantee over 12 years



Added value

- **Energy cost savings: > 925,000 euros per year**
- **Reduction of CO₂ emissions: > 2,400 t/year**
- Comprehensive services and performance guarantee over 12 years
- Integration of subsidies in the amount of 1 million euros

Ensuring efficiency and supply with new energy plant

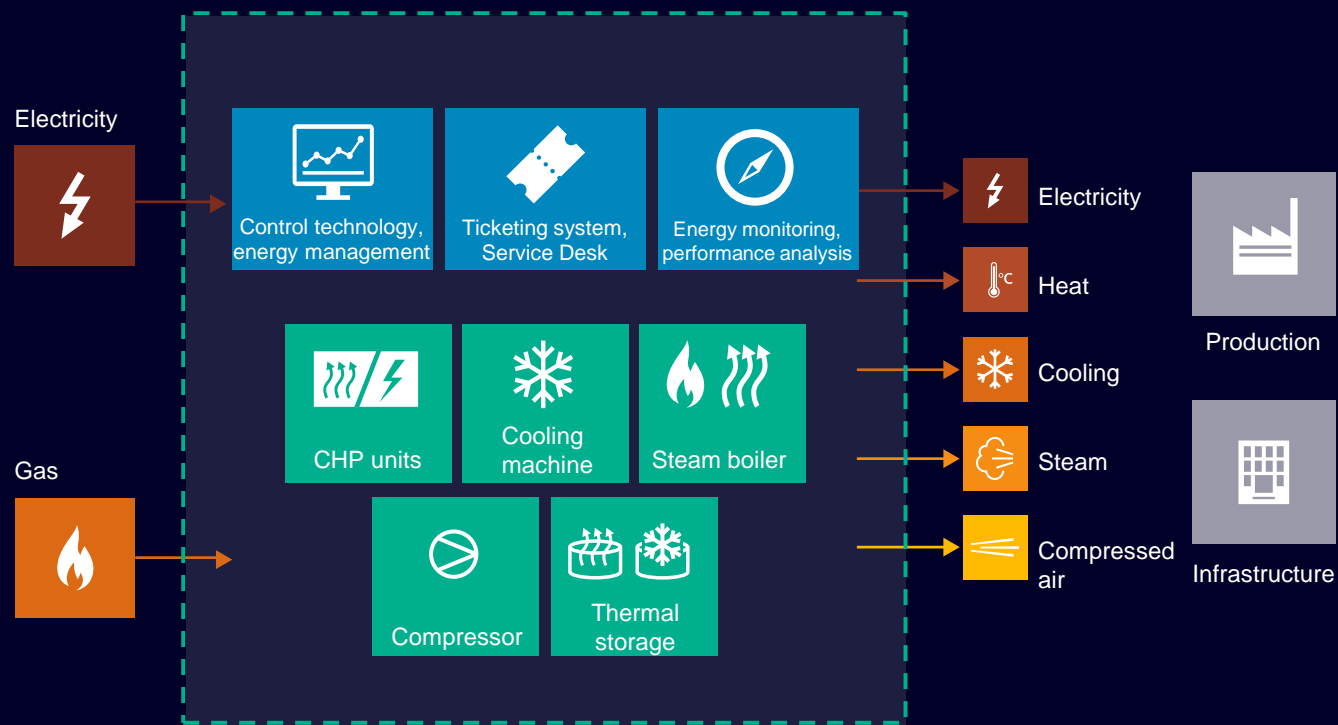
Ferring GmbH, Kiel

Starting point

-  New building for production: Increased demand for electricity, heat, cooling, steam and compressed air.
-  High demands on efficiency and availability of energy and media supplies
-  Goal: Focusing of own resources on the core business

Solution: Efficient and safe energy supply

Construction and operational management of the energy plant by Siemens



Added Value

-  **2,400 t**
CO2 reduction per year
-  **950,000 EUR/a**
Reduction of energy and operating costs
-  **0 % risk**
Siemens guarantees efficiency and availability
-  **€ 1,000,000**
Integration of subsidies