

Central Cooling Station Heidelberg Europapark



Cooling network for supplying cooling to residential and commercial buildings in the Bahnstadt district

Project

With more than 1,000 employees, Stadtwerke Heidelberg GmbH is responsible for energy supply in Heidelberg and the surrounding area. This also includes air conditioning for buildings that is as energy-efficient and climate-friendly as possible.

Scope of delivery and services

- ❄ Planning, manufacture, installation, and commissioning of the cooling center for a local cooling network consisting of 6 ice storage modules, 2 hydraulic modules, 2 cooling modules, 2 hybrid recooling plants, and associated MSR technology, steel construction, and piping.

Technology

- ❄ High-performance ice storage units type sp.ICE HC 30' and 20'
- ❄ Oil-free compression refrigeration machines with magnetically levitated compressor shafts
- ❄ Extremely quiet hybrid recoolers

Performance data

- ❄ Storage capacity: 24,000 kWh
- ❄ Charging time: 6 hours
- ❄ Charging capacity: 13,000 kW

Commissioning 2023

