



D / Munich
 Required cooling capacity 6 kW
 Project year: 2019

PROJECT REFRIGERATED CABINETS



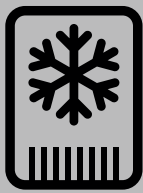
Small-cooling network

TASK POSITION

- Supply of refrigerated cabinets in the casino of an office building
- Limited time use of the refrigerated cabinets at lunchtime
- Complete performance of the refrigeration is needed during the day for refrigerators
- At night there are free capacities in the refrigeration
- Approximately 40 kWh storage capacity required

SOURCE

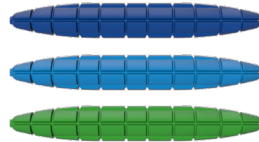
Cooling unit



- Chiller with two temperature levels
- NK stage with $t = -10^{\circ}\text{C}$
- TK stage with $t = -30^{\circ}\text{C}$
- Condenser capacity 54,5 kW
- Plate heat exchanger to supply the 8 kW storage

Storage tank

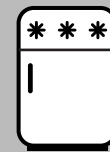
heatStixx - 10°C



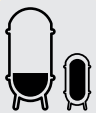
- Latent storage with $V = 1220$ Liter
- Storage capacity 42,5 kWh
- Water equivalent 4600 Liter
- Capacity factor 3,77
- Reduce the storage size at 74%

heatStixx
inside

CONSUMER



- Loading the storage tank at night
- Consumption by refrigeration units a day for about 6 h
- Cooling capacity approx. 6 kW
- Glycol refrigeration circuit at $-8 / -4^{\circ}\text{C}$



Minimization
the storage size



Save investment



Peak-Shifting
Peak-Cutting

PARTNER



Your specialist around the climate

- for ventilation, air conditioning, refrigeration, heating and sanitary
- Project planning is realized from A to Z in-house
- Specialist for individual and customized solutions

CONTACT

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