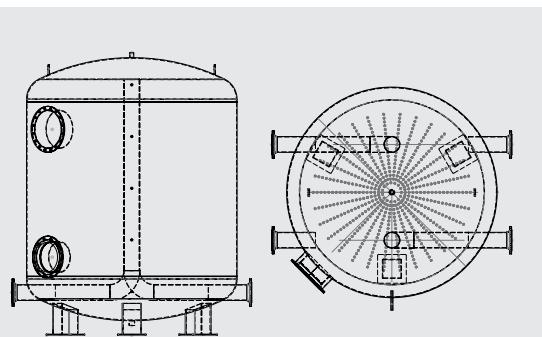




# PROJECT POSCH-WHOLESALE



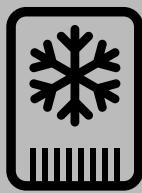
Cooling and heating system

## TASK POSITION

- Refrigeration supply for a food wholesaler
- Use of natural refrigerants with low GWP values
- Normal refrigeration R290 GWP = 3, Deep-freeze R 744 GWP = 0
- Combination of the refrigeration system with the on-site photovoltaic system
- Integration of a PCM storage system to store excess PV energy

### SOURCE

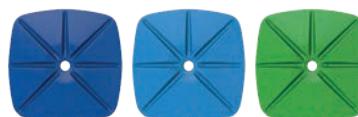
#### Cooling unit



- Cold brine system R290 and R744 refrigeration systems with liquefaction in cold brine system
- Cooling capacity:  
Normal cooling 400 kW, R290  
Deep-freezing 121 kW, R744

### Storage tank

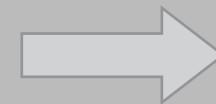
#### heatSel XL - 6 °C



- Latent storage tank 9,250 liters
- Storage capacity 450 kWh
- Water equivalent 39,800 liters
- Spread 10 K
- Increasing the storage capacity by a factor of 4,3

#### heatStixx inside

### CONSUMER



- 38 cold rooms, normal cooling at +1°C to +15°C
- 8 cold rooms, deep-freezing at -20°C to -31°C
- Cold supply at night from the PCM storage
- System monitoring, temperature recording and remote maintenance on MOD BUS RTU basis



Increase  
the storage capacity



CO<sub>2</sub> saving



Save investment

### PARTNER



SECON systems are not standard products and are always adapted to the specific needs of customers and projects. Thanks to modular housing series, in-house switch cabinet construction and our own control department, we can react flexibly to requirements.

- ➔ This ensures that a genuine premium system is provided.

### CONTACT

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