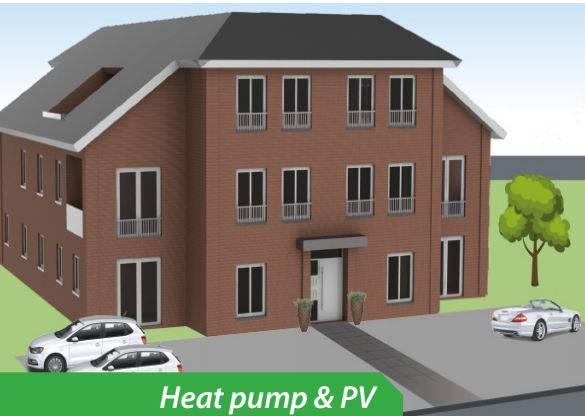




# PROJECT CONDOMINIUM



Heat pump & PV

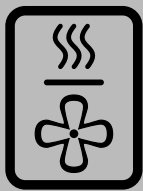
## TASK POSITION

- Provision of a senior residence with 8 residential units with heat and hot water
- Temperature control of the building in summer
- Storage and use of excess PV energy
- Heat pumps switchable heating / cooling
- Fulfillment of the funding requirement for latent storage (Landesförderung NRW)

## Storage tank

### SOURCE

### Heat pump



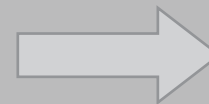
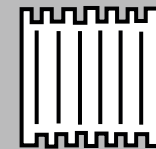
- 2 pcs. Inverter-heat pumps with 19 kW each
- Heating and cooling separately possible
- 20 kWp PV-System

### heatStixx inside

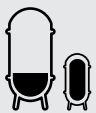


- Heat storage for DHW preparation 800 liters
  - **heatStixx** ATS 50 °C
  - Storage capacity 33.8 kWh
  - Water equivalent 1944 liters
  - Capacity factor 2.43
- 
- Heat storage for heating 800 liters
  - **heatStixx** ATP 36 °C
  - Storage capacity 23.4 kWh
  - Water equivalent 1344 liters
  - Capacity factor 1.68
- 
- Cold storage tank for living room temperature 800 liters
  - **heatStixx** ATP 15 °C
  - Storage capacity 23.2 kWh
  - Water equivalent 1328 liters
  - Capacity factor 1.66

### CONSUMER



- Storage for underfloor heating with max. 35/30 °C
- Storage tank for decentralized water heating with home stations
- Cooling storage centrally switchable to heating circuit
- Storage of PV energy when required controlled by GLT



Minimization  
the storage size



Higher runtime  
Less clocking



Peak-Shifting

## PARTNER



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## CONTACT

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