



# DRIVE

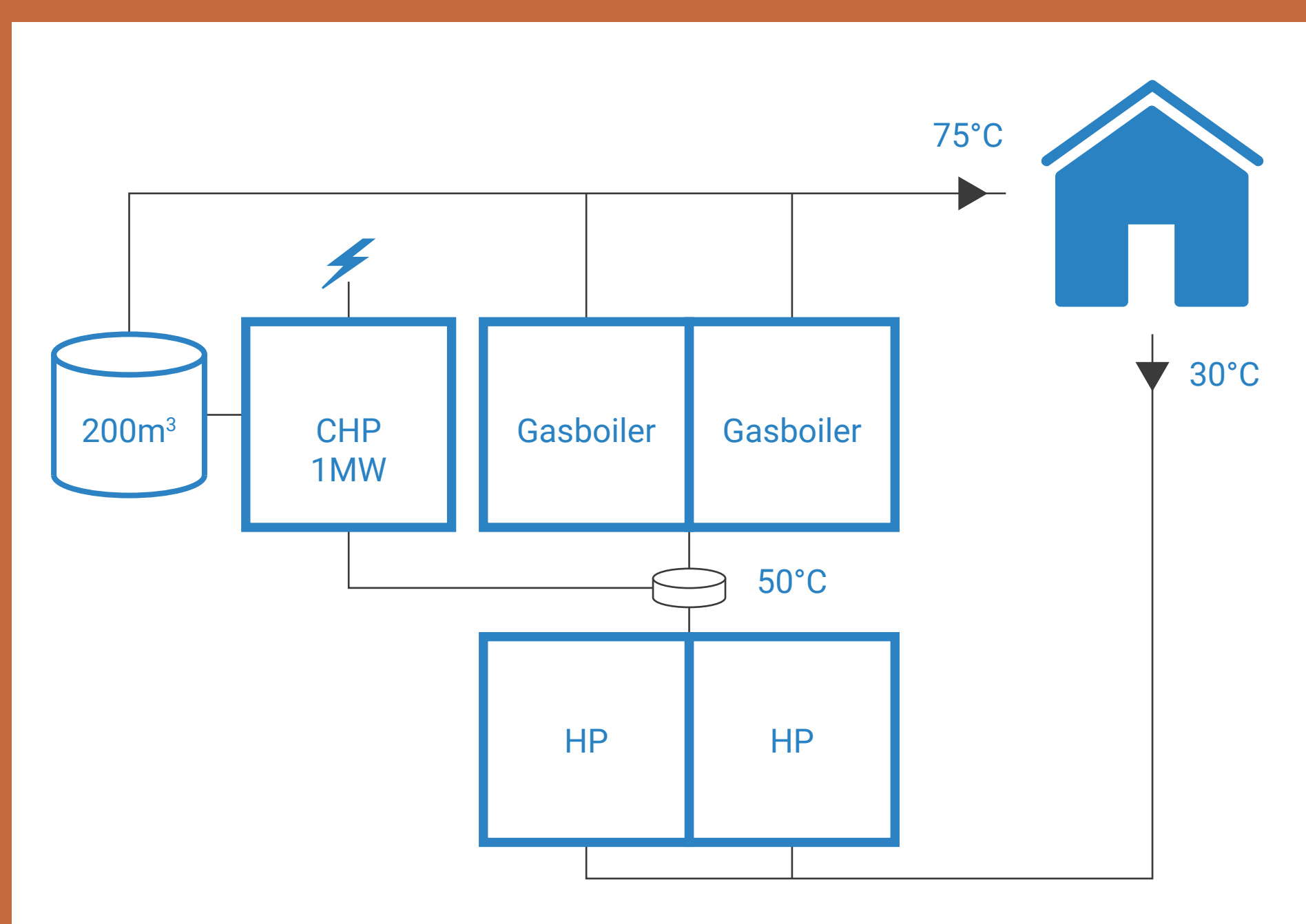
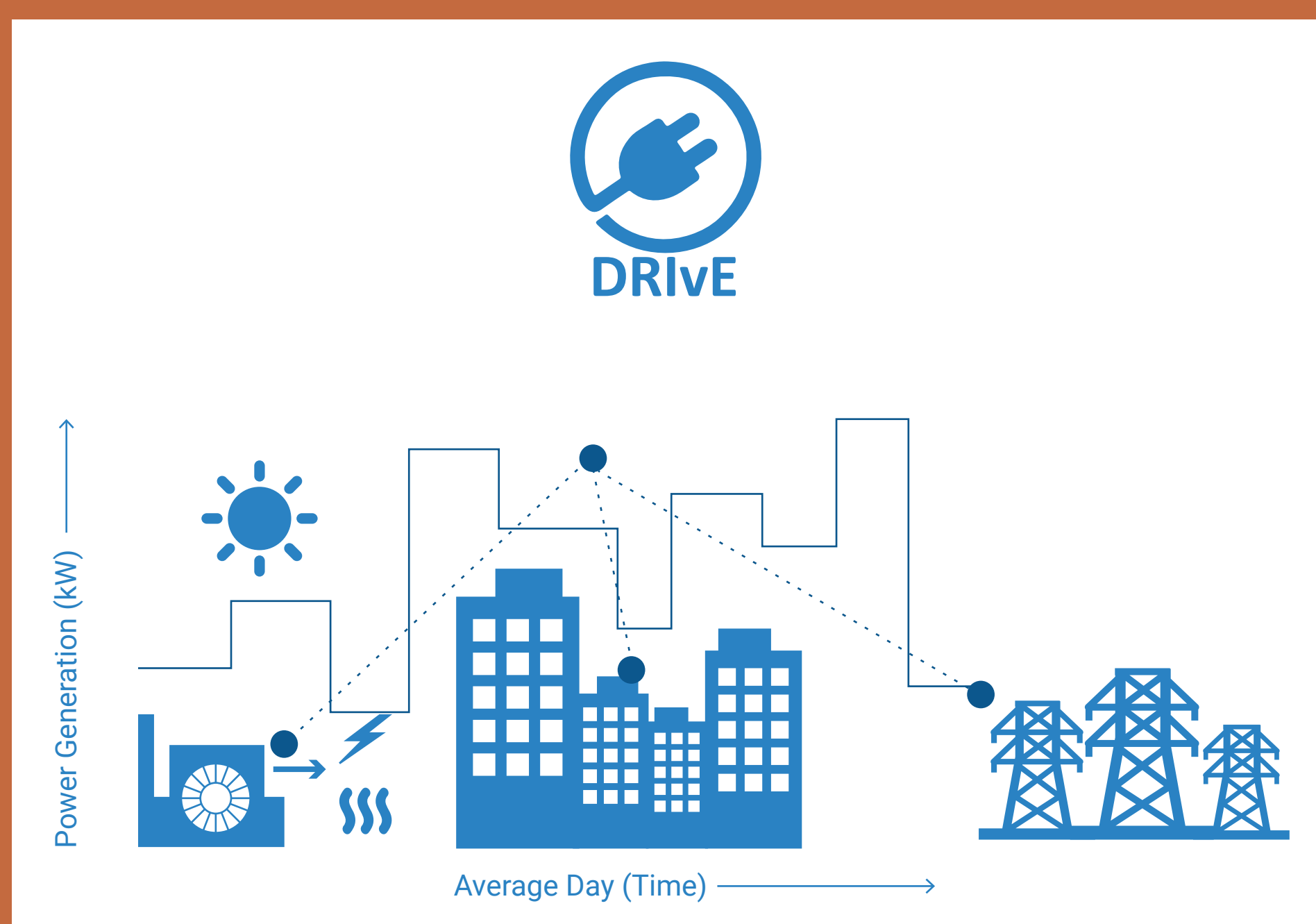
www.h2020-drive.eu

## DEMO SITES

DEVO District,  
in the  
Netherlands



**SCHOLT**energy



**Promoter:** Energy Supplier

**Focus was on:** Residential district in the Netherlands, composed of 1250 houses, where DEVO is the local energy supplier of the district and it is responsible for the management of the thermal energy flows inside it.

**Direct replication potential:** Other district heating and cooling network operators

**Objectives:** Optimize the time of use of the Combined Heat and Power (CHP) technology, maximising the additional revenues for selling electricity on the market.

**Assets:** District heat pump (HP) (0,63 MWeI and 1,9 MWth); CHP (0,95 MWeI and 1,2 MWth); Gas heater (backup and peaks, 2,9 MWth); Hot water buffer (200 m3); Connection to Medium Voltage grid

**Method:** Simulation-based tests have been deployed to check the rentability of using the DEVO CHP for flexibility services

**Results:** Extra profit up to 20.000€/year for DEVO thanks to the use of Artificial Intelligence-algorithm taking care of different input parameters for optimisation of the CHP usage and selling electricity to the grid

