

# Utilisation of waste heat

UC5c

To make use of the waste heat from the InterXlon data centre, a heat pump system with a thermal output of approx. 3 MW is under construction. The waste heat is to be brought to a **usable temperature level** and used directly for **partial supply of the Floridsdorf Clinic**. In addition, the cold water generated is to be used to supply the data centre's cooling system, thereby reducing its own cooling requirements.

- **Connection to the cooling system** of the data centre (28oC/18oC)
- Installation of 3 heat pumps in the energy centre of the Floridsdorf Clinic (covers approx. 50 – 70% of the heat requirement)
- **Infeed on the secondary side** from the existing district heating connection
- Cooling capacity approx. 2.1 MWth – heating capacity approx. 3.0 MWth

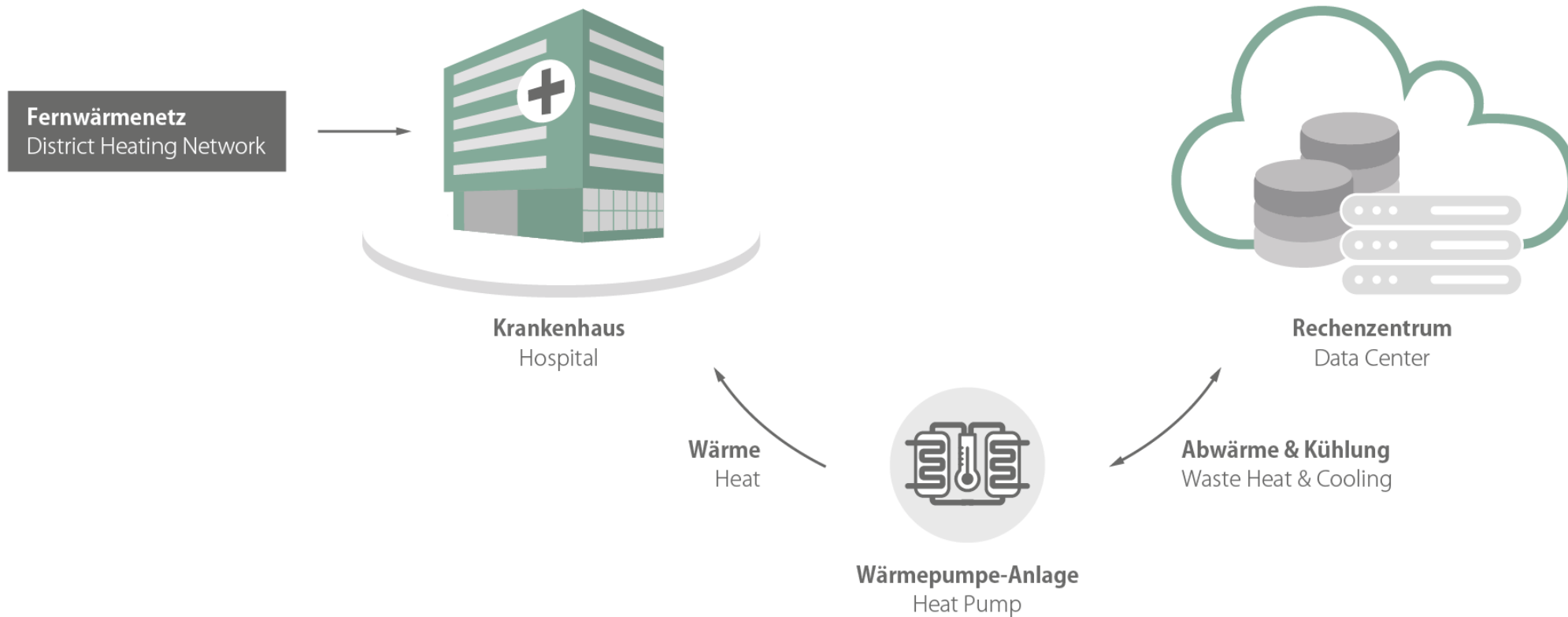
**Siemens, Wiener Netze,  
Wien Energie**

Budget: 0.32 million Euro

Testbeds: Data centre and  
hospital

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## The benefits:

- Efficient and economical use of waste heat from data centres (direct use in the neighbourhood or feeding into district heating grids)