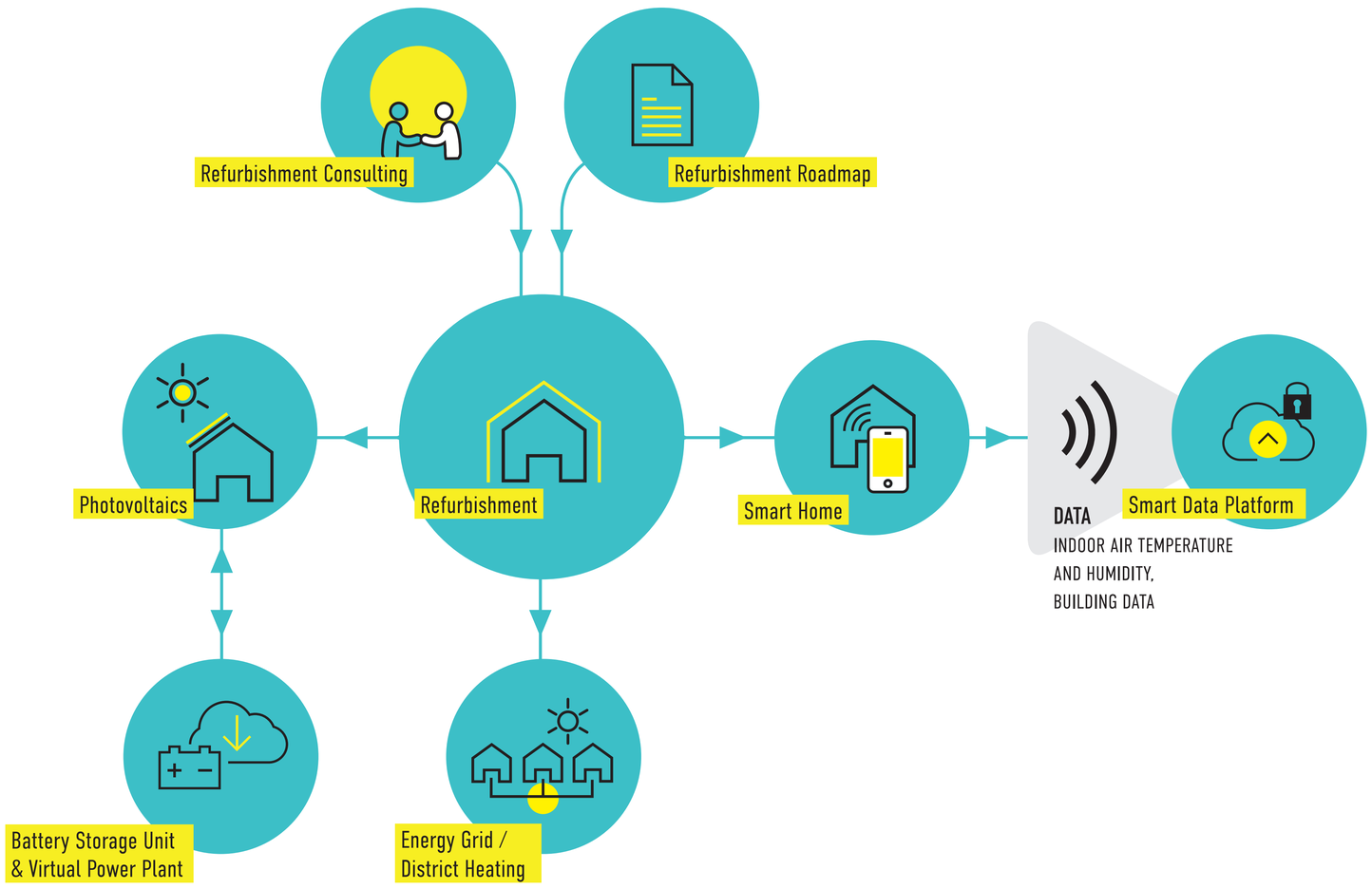
BATTERY STORAGE AND VIRTUAL POWER PLANT

SMARTER TOGETHER München

SMARTER TOGETHER: ABOUT THE PROJECT

Within the Smarter Together project, the **City of Munich develops intelligent solutions** for the city of tomorrow. This includes **testing** promising mobility and technology solutions as well as the socially compatible and energy-efficient **refurbishment** in housing complexes. Smarter Together aims to increase the proportion of renewable energy used to supply heat and electric power.

CONCEPT FOR REFURBISHMENT AND RENEWABLE ENERGY



BATTERY STORAGE AS VITAL PART OF THE CONCEPT

- In 2018, SWM's power storage went into operation with a **rated output of 800 kW** and a **capacity of 1 MWh**.
- IT link to control centre integrates storage in **virtual power plant.**
- Intelligent energy management controlled by the virtual power plant's operations centre enables excess electricity to charge up the battery storage at short notice and then discharge it again in response to later demand.
- The **battery storage** contributes to **stable power grid operations** by balancing out short-term deviations between the supply of and demand for electricity.
- Also deployed as a **neighbourhood storage** in order to increase the use of energy from renewable sources: Buildings and power generation installations which do not have their own power store, can be linked via the virtual power plant.

Photovoltaics

Refurbishment Consulting

Ongoing Refurbishment

Battery Storage in Munich

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