More efficient market integration of small energy producers

UC10

The central question of Use Case 10 is how to optimally implement commercially viable flexibility marketing applications from a technical, economic and legal point of view.

- Normally (due to economies of scale), flexible producers/consumers from a system size of approx. 500kW(el) are marketed on the electricity and system service markets
- One characteristic of these efforts is the complete and **therefore complex mapping** of these units in the virtual power plant control system, and a decentralised, digital connection.
- To **develop** flexibility on a smaller scale, simpler and therefore more inexpensive technical solutions are required.

Siemens, Wiener Netze, Wien Energie

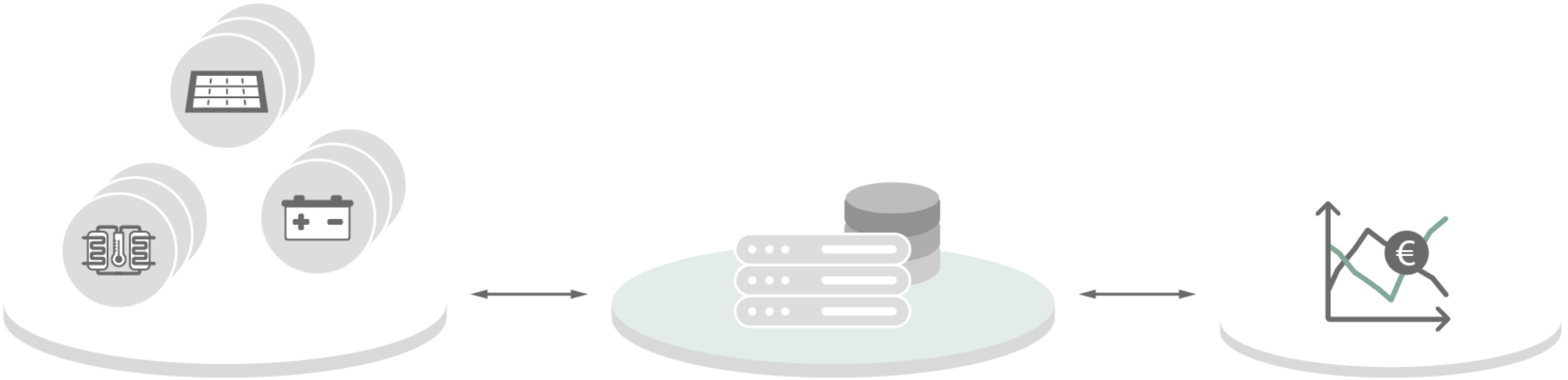
Budget: 0.95 million Euro

Testbeds: Seestadt battery storage, UNO City heat pump, Rosiwalgasse PV system

ASCR
Aspern Smart City Research

More efficient market integration of small energy producers

UC10



ASCR
Aspern Smart City Research

More efficient market integration of small energy producers

UC10

The benefits:

- As the energy market is becoming more and more complex, it can be expected that supplying balancing energy will become more important and more lucrative
- Determination of the conditions under which the various systems (PV, HP, battery) can economically participate in the energy balancing market

ASCR
Aspern Smart City Research