



Aggregator business pilot

Challenge

“Bringing flexibility potential to electricity markets in the most efficient and suitable way as possible”

Three levels of implementation

- Demonstration of directly connected resources through sub-aggregator operation, brought live on real market → “physical box interface”
- Development of cloud-to-cloud interfaces for integrating sub-aggregator’s backend system with aggregator system → “software interface”
- Research on open platforms and aggregator/sub-aggregator model implementation within them → “platform economy model”

Results

- Scientific publication on EV charging as subaggregator
- Flexibility potential studies together with WP6 *Building level Intelligence*
- Definition of sub-aggregator model and interface concept

Goals

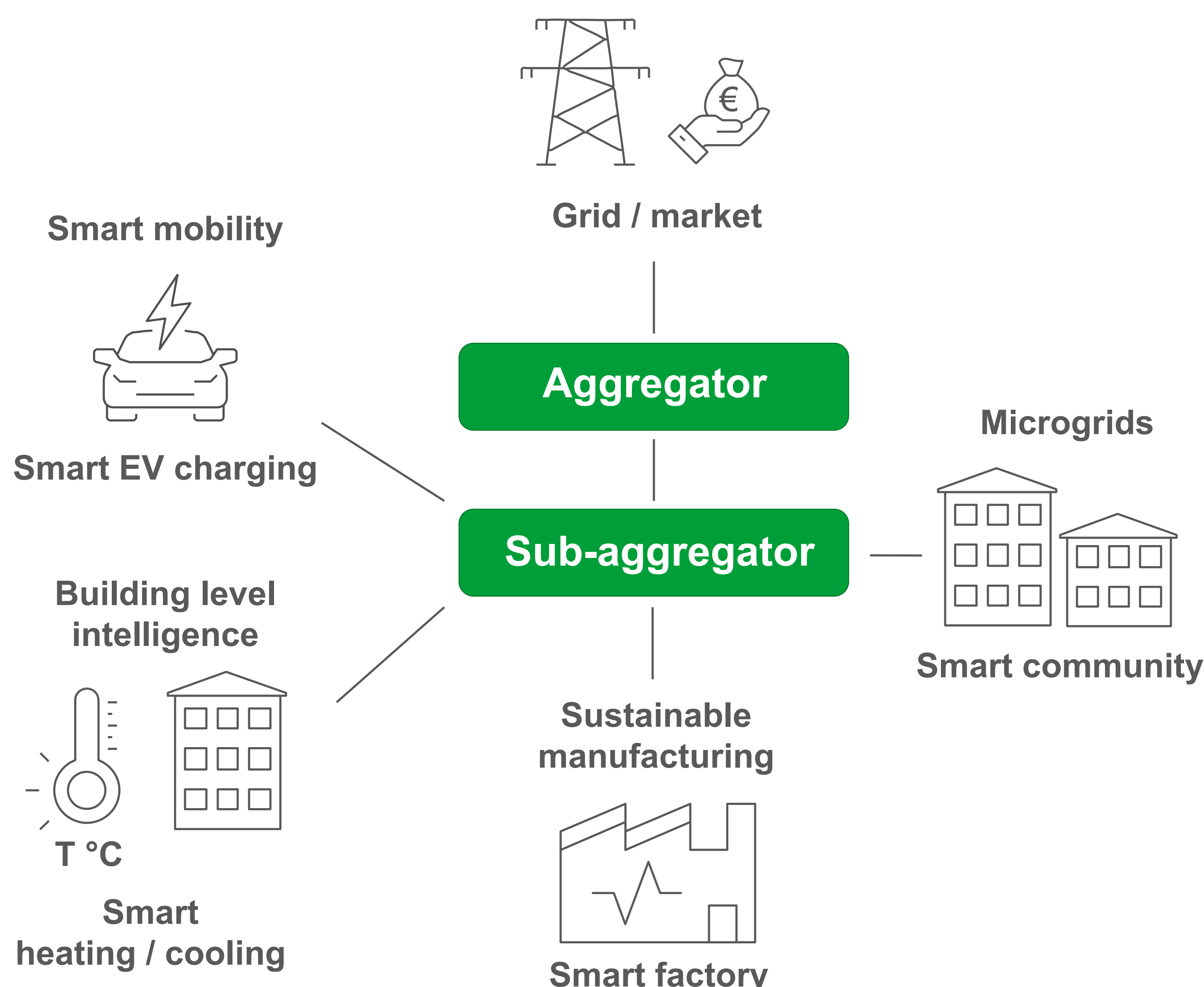
- To study how flexible potential could be harnessed e.g. from buildings and electric vehicles through sub-aggregators who have the ability to monitor and control their equipment.
- To find out aggregator and sub-aggregator business models.
- To link users, devices and markets.

Activities

- Sub-aggregator business model development
- Definition of aggregator – sub-aggregator interface concept
- Scanning of flexibility potential in Otaniemi area
- Workshopping with potential sub-aggregators

Next steps

- Concrete pilot and live test in Otaniemi → “Building as flexibility provider”
- Concrete testing of cloud-to-cloud interfacing
- Simulation of different sub-aggregator cases – combining resource and market sides



Pilot partners



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