BATTERY SWARM STORAGE

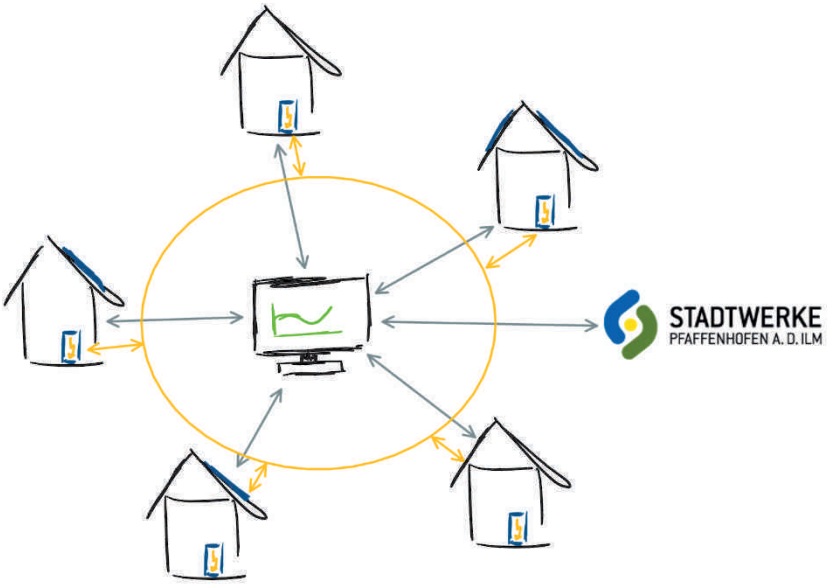
When talking, thinking and acting for a transition in energy supply, renewables are the most important source of power supply. Nevertheless, as it is the nature of many renewables, it is not possible to steer the amount produced by wind turbines and photovoltaic plants. Therefore, there can be more electricity in the grid than at the moment needed or vice versa. The concept of battery swarm storage is an idea to help fix that problem with a decentralised approach.

The main concept behind it is, that you are gathering many small batteries - for example in individual households - and connect them smart so they are able to communicate with each other and/or react to the situation of the grid. Key to the success of a swarm storage is their intelligent connection.

When installing those batteries and connecting them you can think of them like a big virtual battery storage, because they can act as one.

Following, some of the advantages you will get by building battery swarm storage systems:

- Earn/save money by supplying to the primary energy regulation market
- Stabilize your electricity grid
- Grow your target group
- You are able to achieve a higher power independency
- Potentially a use case for second life batteries from old vehicles



Link:
https://www.wago.com/global/power-engineering/energy-storage-systems/customer-application-intelligent-control-battery-swarm