

# GRID BALANCER or Mission „Smart Battery“

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## Intelligent power acquisition & distribution

Most energy installations are traditionally based on long-term fixed prices from a single energy provider. However, the energy market is constantly fluctuating and the prices per kWh are varying depending on multiple factors- like the availability of renewable energy, workload of the power plants, and more.

It is therefore logical to benefit from fluctuating prices as long as they are low and refrain from consuming energy at high cost.

This is the time for the GE4A smart battery concept. It uses an intelligent approach to fill its energy storage (or any other energy storage attached) at times when prices are down and buffers the high price times by providing the low cost energy into the community grid.

Intelligent power distribution via smart batteries is one fundament for the GE4A energy platform.

## Smart battery solution

Intelligent energy acquisition

Smart battery interfacing with energy markets in real time find the best energy prices to charge the battery with. Smart energy distribution lowers the overall energy costs.

