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1. Energy management & Storage

Energy management (HEMS for home and xEMS for business) help users to actively manage energy flow, reduce energy consumption and shift energy consumption from periods, when energy is expensive into period when energy is cheaper. We do this by demand modelling, storing energy into batteries and smartly switching on and off various consumers and producers. xEMS includes peak shaving function and can help modeling energy exchange with the public grid.

Energy storage systems can store cheap energy (from renewable sources like Solar Plant or grid) and use it to reduce energy cost and to reduce peak cost.

Utility scale systems can participate in energy and power market directly or through third party services supporting its users to earn (selling backup power) direct or in-direct (buying and selling energy) revenue.

All systems have digital twins for seamless integration.

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