

Functional Requirements:

- the system should reduce energy consumption.
 - It should reduce costs.
 - It should protect privacy.
 - It should store most of the knowledge about the house.
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Non-Functional Requirements:

- It should automatically update knowledge about the house once a new device is installed.
- It should be in charge of managing all of the devices in the house that control the heating and lighting as soon as the owner is done setting them up.
- It should be able to automatically negotiate the purchase and sale of energy to other households.
- It should work without huge latency
- It should estimate the consumption of energy for the next day between 12.00 and 14.00 hours.
- It should forecast the energy generation
- It should be to decide to purchase based on the reliability of the household
- It should be provide as a service

- It should be easy to interact with people of different ages and capabilities
- It should be easy to accessible to people of different ages and capabilities
- It should be accessible remotely