SOWILLO
Energy CO_2st Reduction

Water heating management and optimization for residential buildings

Advanced maintenance

Detect & alert before failures happen
Discover system efficiency loss

- Predictive maintenance engine
- Dashboard for system management

Energy optimization

Cost reduction of water heating by over 40%
CO_2 reduction by better utilization of solar energy
More usable hot water from the same system

- Hot water usage optimization
- Power grid load balancing
- Time-of-use tariff optimization
- System performace improvement

Cloud engine

Advanced analytics | ML algorithms

Sowillo IoT device

(installed on a water heating system)

- monitors solar thermal collectors, electrical/gas heaters, heat pumps
- integrates wirelessly into one big intelligent system
- manages the building's mechanical and electrical equipment via BMS

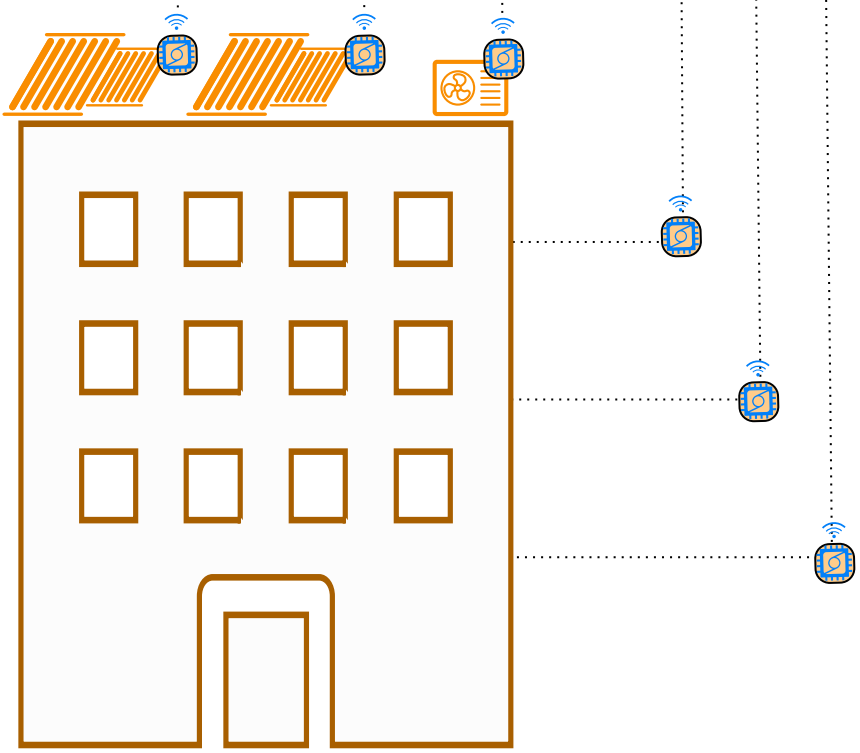
Sowillo IoT device

(installed in every apartment)

- remote control
- scheduling
- self-diagnostics
- smart-house integration
- monitoring

Sowillo BMS

- Controls the distributed system in a consistent, reliable and fault-tolerant way
- Plans energy distribution in accordance with predicted consumption and production



Legend

Sowillo IoT device
Heat pump
Thermosolar collectors