A nighttime aerial photograph of Rio de Janeiro, Brazil, showing the city's lights reflecting on the water. Several yellow dots are overlaid on the image, marking specific locations across the city and along the waterfront. The dots are positioned at various points, including the hills, the city center, and the waterfront area.

We are there to help create a sustainable world.
We are there to make it happen.

Solution Portfolio

There Corporation
Ilkka Palola & Sami Sailo

there.



where?

there.

There Corporation Ltd

There Corporation is a smart energy company. We provide residential demand management and energy efficiency solutions for utilities, system suppliers and housing co-ops.

Our DSM solution connects utilities and consumers into a common energy market and is also a platform for 3rd party service providers.

There

Market segments



Arenas

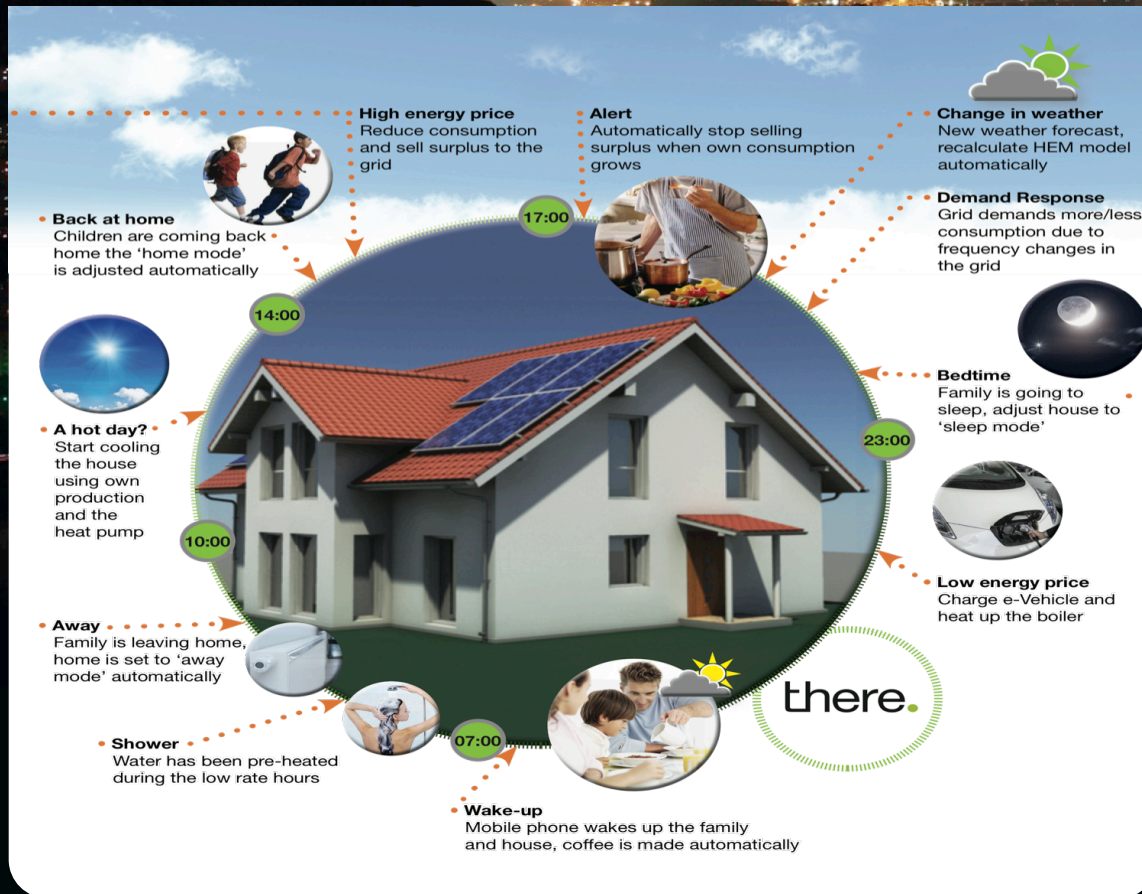
Where are active?

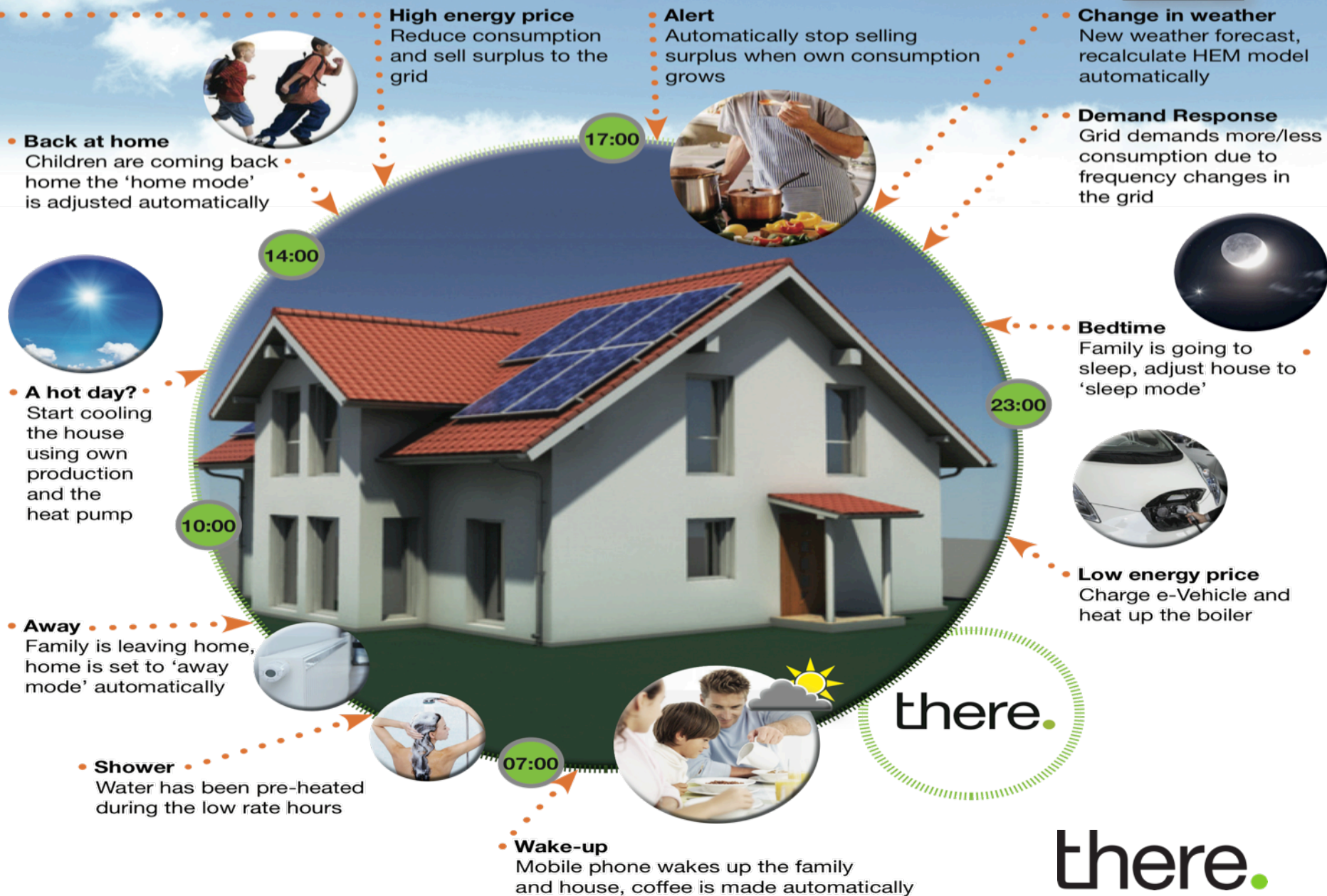
- Home energy and demand management solutions
 - Home cooling and heating management
 - Intelligent algorithms
 - Aggregation and analysis of IoT data
 - Micro production management
 - Global home automation frameworks (e.g. Apple HomeKit)
- Solutions for demand management aggregators
 - Consumer energy load management
 - Supporting energy balancing markets
- Segments:
 - Detached houses, row houses: 1) Electric and 2) Dual Fuel heating, 3) District Heating, 5) Photovoltaic
 - 4) Housing co-ops: District heating
- Regions:
 - Following smart metering/balance Settlement and demand response expansion
 - Finland, Sweden, Norway, Poland, Selected European countries



There Solutions

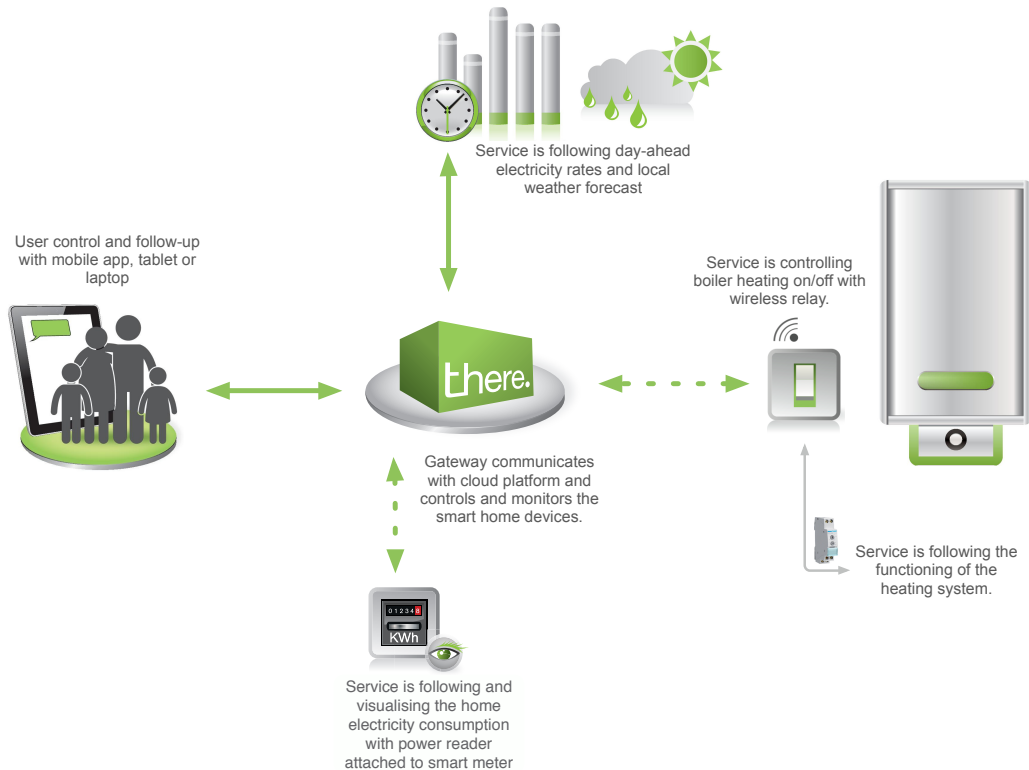
Customer view on energy





There Solutions

Smart Boiler Control



User Benefits

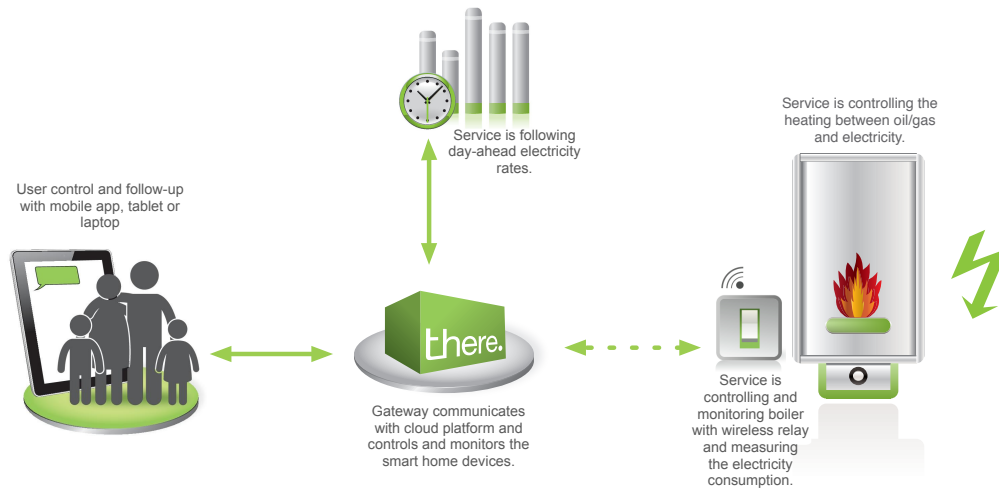
- 20% savings in heating costs
- Average savings 400 € / year
- Fully automated heating
- Fast Turn-key installation

Functionality

- Calculates the house heating need from weather forecast and house parameters
- Selects cheapest hours for heating
- Visualizes solution functionality in user interface
- Sends notifications

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Dual Fuel



User Benefits

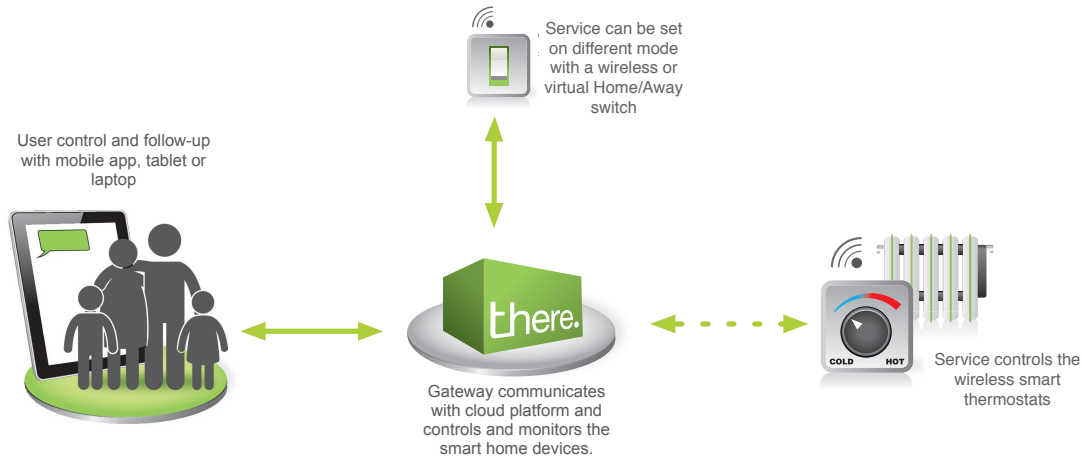
- 20% savings in heating costs
- Remote access
- Fast turn-key installation

Functionality

- Selects between oil and electricity heating automatically
- Monitors devices
- Visualizes solution functionality and savings in user interface
- Sends notifications

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Comfort



User Benefits

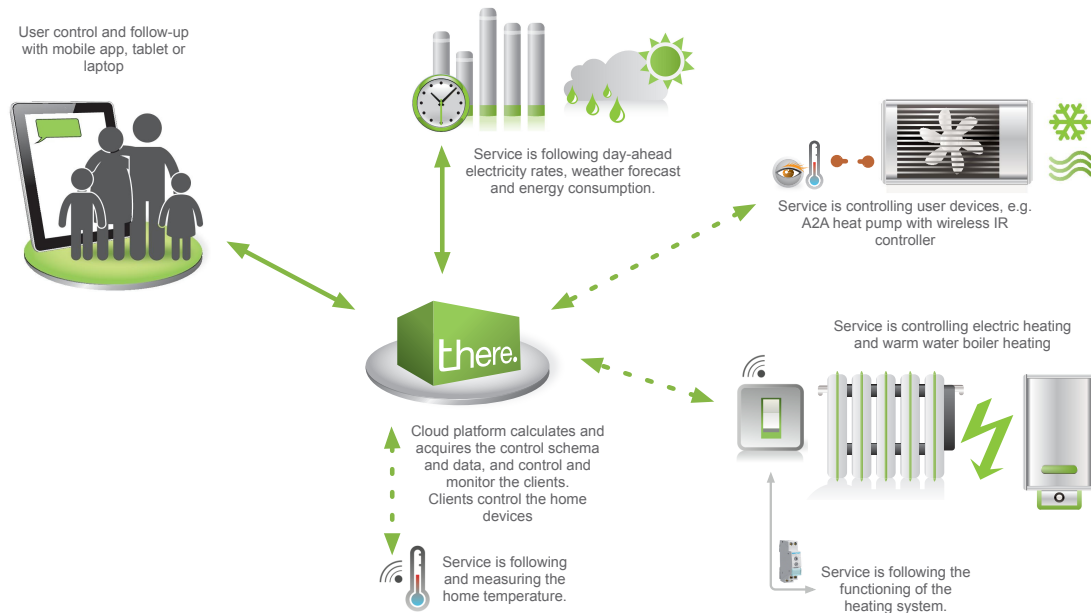
- Improved living comfort
- 15-40% savings in heating costs
- Peace of mind when away

Functionality

- Heating and home appliance control with automated services and tasks
- Personal user interface
- Remote access
- Notifications

There Solutions

Electric Heating

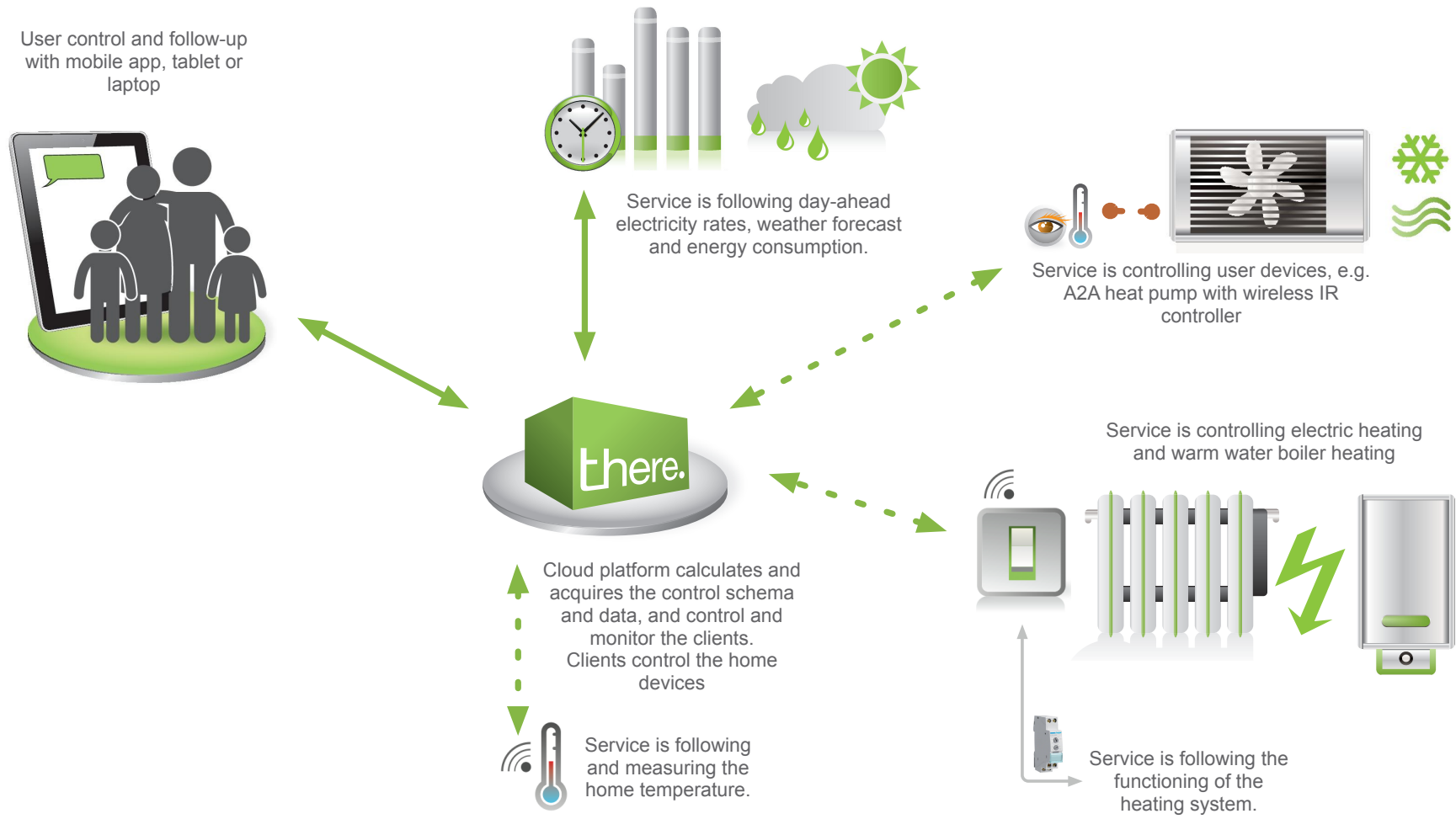


User Benefits

- 15-20% savings in heating costs.
- Improved heating comfort

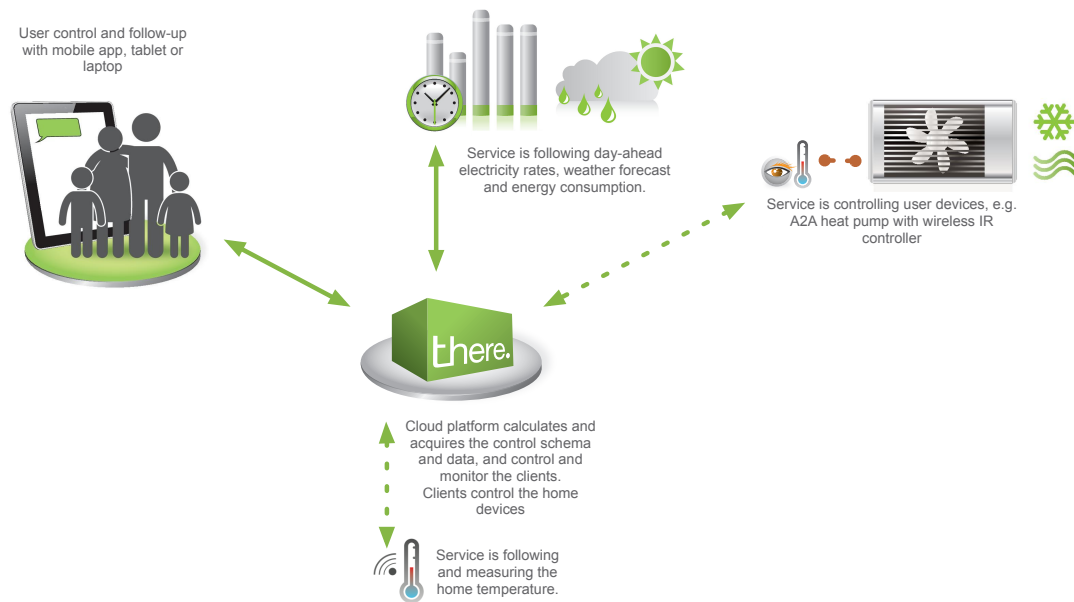
Functionality

- Automated heating control utilizing weather forecast and hourly rated electricity plan
- User predefined comfort zones
- Heating modes
- Personal user interface
- Remote access
- Notifications



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Air-to-air heat pump



User Benefits

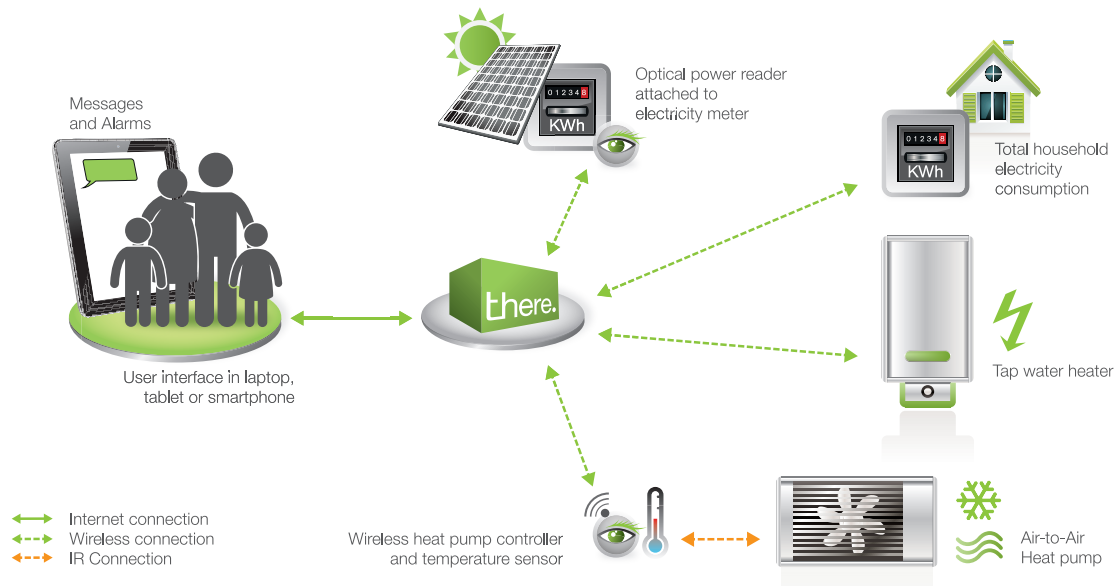
- Energy cost savings
- Remote access and control
- Improved comfort

Functionality

- Automated control tasks for heat pump / AC
- Remote access and control to heat pump
- Combine with other applications, e.g. photovoltaics.
- Notifications

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Photovoltaics

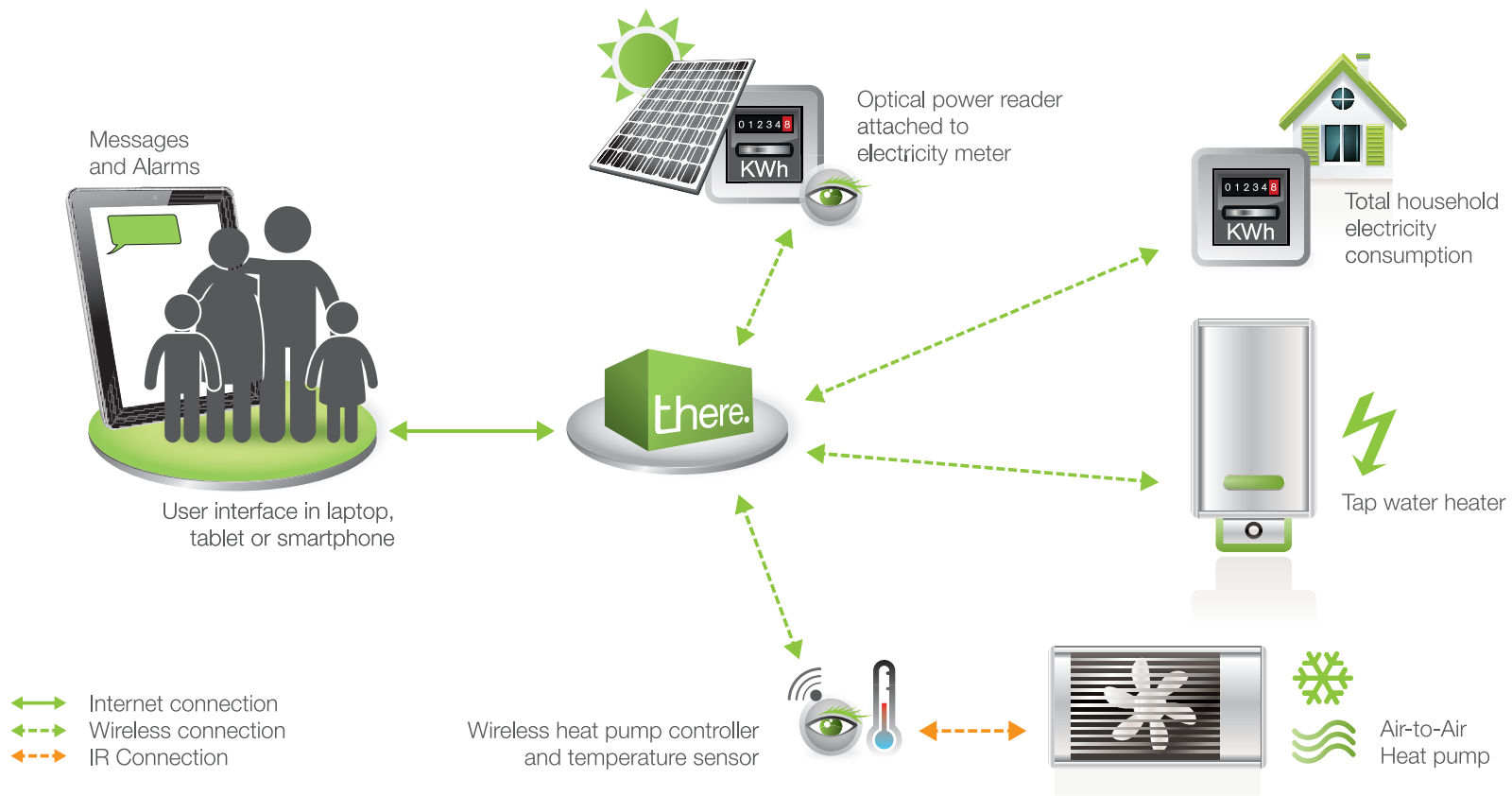


User Benefits

- Electricity cost savings
- Remote access
- Fast Turn-key installation

Functionality

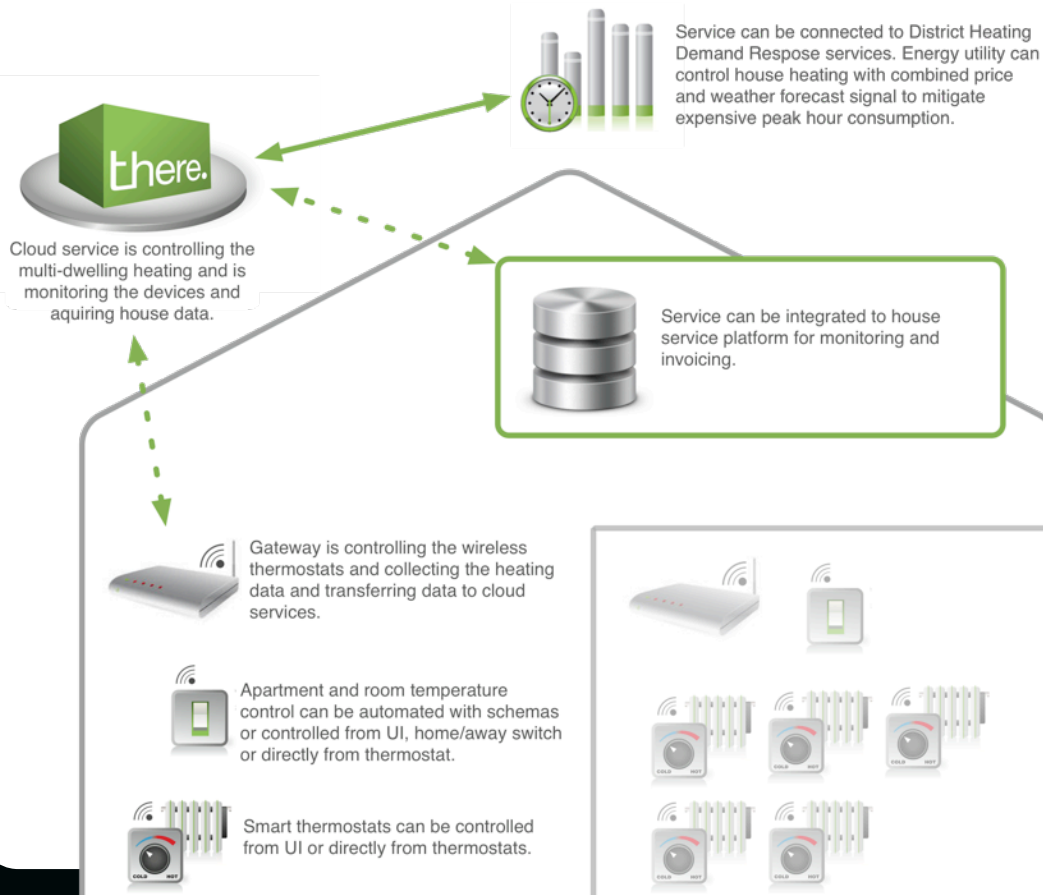
- Controls the household appliances automatically utilizing balance data
- Monitors PV production
- Visualizes production, consumption and balance
- Enables online control of appliances.
- Notifications



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District Heating



Benefits

- Energy cost savings
- Remote access and control
- Improved comfort

Functionality

- Automated control schema (home/away/night/absence) for heating
- Room specific heating control
- Possibility to extend control on home appliances
- Notifications



Service can be connected to District Heating Demand Response services. Energy utility can control house heating with combined price and weather forecast signal to mitigate expensive peak hour consumption.



Cloud service is controlling the multi-dwelling heating and is monitoring the devices and acquiring house data.



Service can be integrated to house service platform for monitoring and invoicing.



Gateway is controlling the wireless thermostats and collecting the heating data and transferring data to cloud services.



Apartment and room temperature control can be automated with schemas or controlled from UI, home/away switch or directly from thermostat.

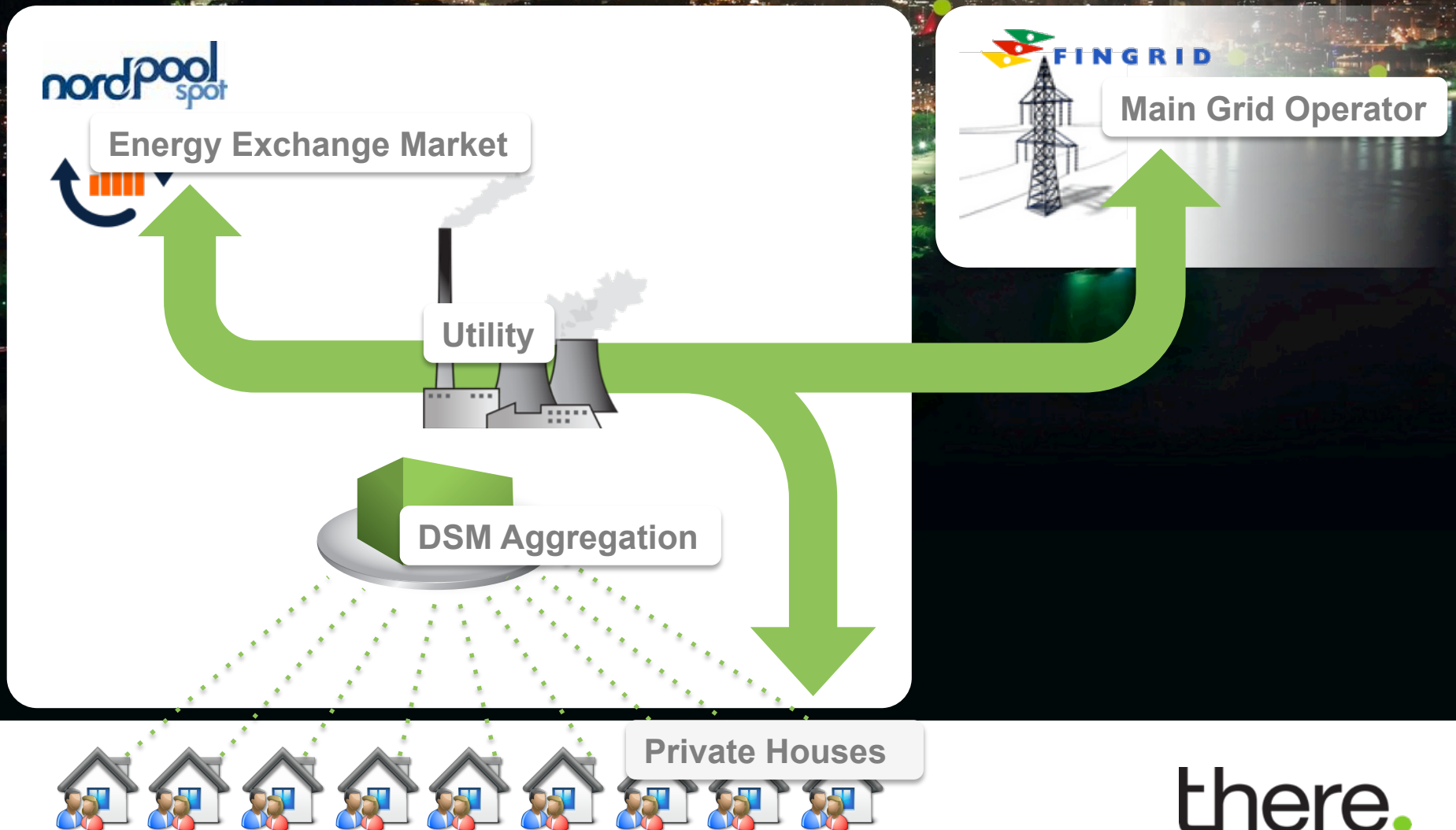


Smart thermostats can be controlled from UI or directly from thermostats.



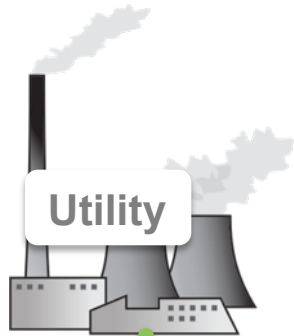
There Solutions

Demand Side Management



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Demand Side Management



Utility **DSM Operator** is using a platform and DSM market place

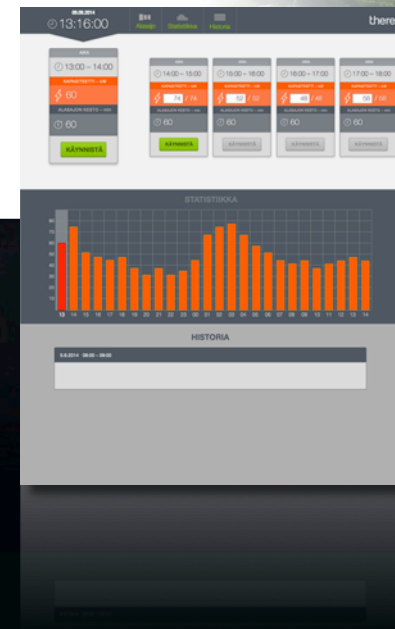
- to transfer electricity consumption from hours of high load and price to a more affordably priced time, or
- To temporarily adjust consumption for the purpose of power balance management (Disturbance reserve).
- To adjust own production to meet market requirements
- To operate on intraday (elspot, elbas) market



Consumer loads are monitored and aggregated into controllable load (aka virtual power plant).



DSM Operator UI



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Demand Side Management



Physical power market

Benefit

Steering of energy usage based on hourly Elspot-pricing.

- Benefits to the end-consumer or
- Enabling a competitive fixed price el-contract Elbas-steering.

165€*
/customer/yea

* benefits based on actual achieved benefits from There's solutions

Peak load capacity

Benefit

Improved forecasts of available peak load capacity.

Usage of balancing power at Elbas-market

120€*
/customer/yea

* Fingrids estimation

Derivative and hedging

Benefit

Better predicatbility of consumption provides lower costs for hedging of electricity sales.

Optimization of consumption reduces financial exposure.

90€*
/customer/yea

* varies between companies, est. benefit based on 10% of acquisition

Balancing power market

Benefit

Mitigation and prevention of power imbalances.

Benefit to be tested and evaluated in a current project with Fortum

14€
/customer/ye

After Sales

Benefits

Reduced churn and increased customer satisfaction.

Enables platform for provision of own or 3rd party solutions.

75€
/customer/year

Benefits

New model how to sell electricity

Lower costs for hedging of electricity sales

Possibility to use balancing power on intraday market

Strong customer lock-up and reduced churn

We are there to help create a sustainable world.
We are there to make it happen.



Contact

Vaasa office

Rantakatu 2G
65100 Vaasa
Finland

Helsinki office

Kuortaneenkatu 2
00510 Helsinki
Finland

Ilkka Palola

Head of Sales & Accounts
ilkka.palola@therecorporation.com
Mobile: +358 50 368 7533

Sami Sailo

Head of Solutions
sami.sailo@therecorporation.com
Mobile: +358 50 487 2169