

Customer engagement to support renewable energies & energy efficiency

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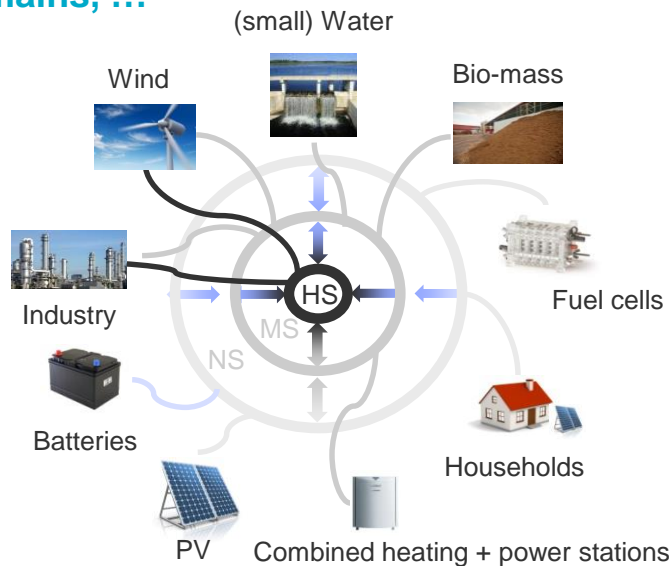
tiko

Why tiko?

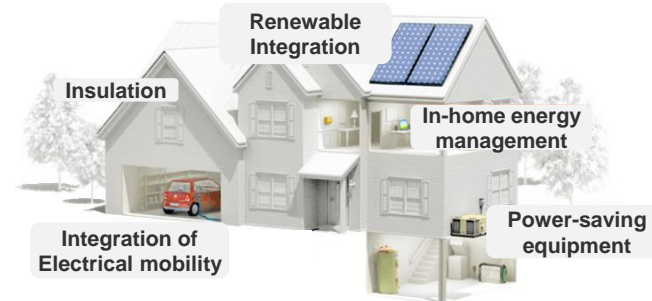
Founded in 2012 – A Joint Venture of Swisscom and Repower

Digitalisation will transform the energy world as well as it did disrupt other industries

In the dynamically connected electricity mains, ...



... the household plays a decisive role



Efficient heat supply

Energy strategy as the driver ...

- No more nuclear power stations
- Development of new renewable energies
- Pressures of cost and optimization

... with a large influence from the households

- Decentral production
- Increased electrical mobility
- Intention for self-sufficient optimized own consumption

tiko

a 100 MW power station simply with households

Since december 2014
regular supply of grid
services

6'000 households
„real-time“ managed

Using electrical
consumers like
heaters, PV, batteries etc.

REPOWER

ail

AMB
Arbeitsgemeinschaft
Allgemeine
Bürger

SES
Società Elettrica Sopracenerina

ELEKTRA
Städtegenossenschaft
Energie

ctc
EnerTech Group

Societat D'vra electrica
Lumbrein

EKS

EW Rothrist
Wasser und Strom.

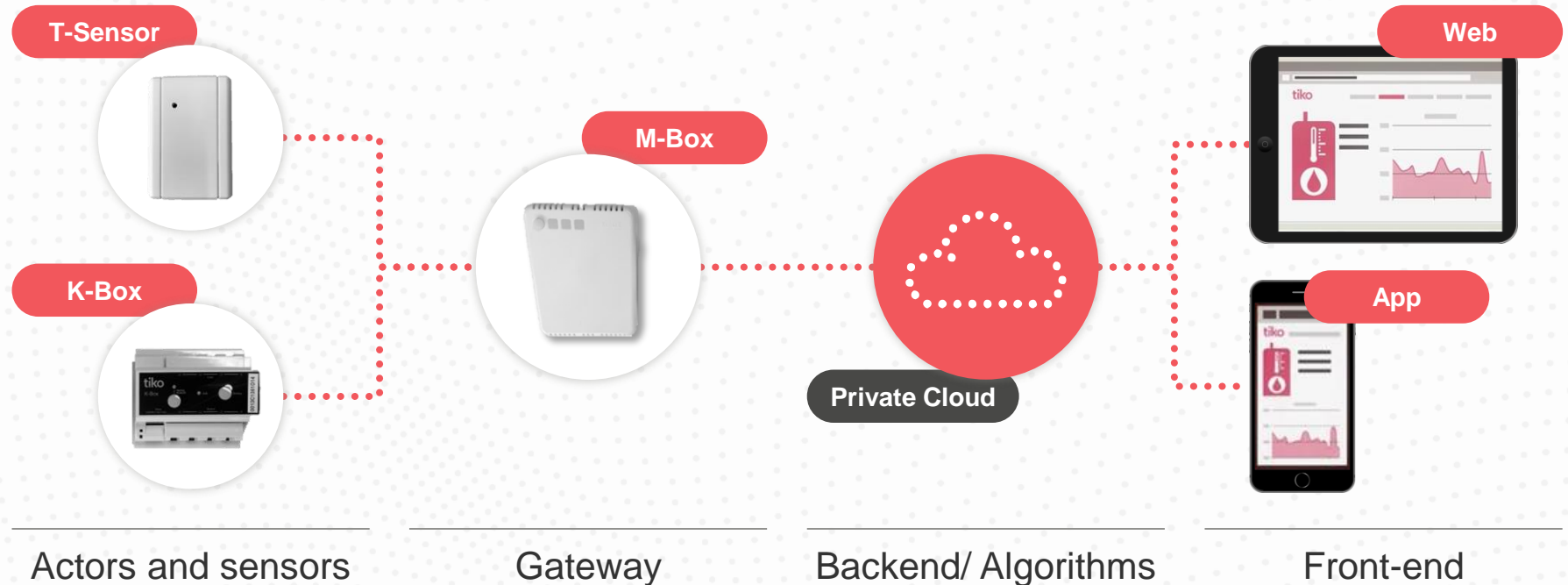
Hoval

TOBLER

EW
ENERGIE
PLANUNG
INSTALLATIONEN
KUNDENSERVICE

tiko – managing flexibility and more

Energy efficiency for households and grid services to support renewable energies



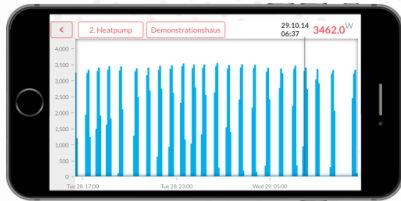
tiko power - customer savings of up to 150 €/year

Features for the participants are being constantly enhanced



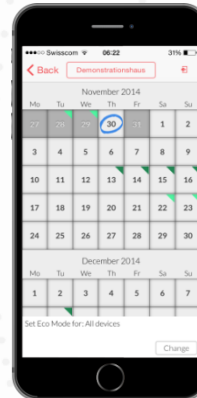
Monitoring

Detailed consumption analysis and comparison with other users



Comfort & Savings

Ecomode as remote control for savings



Security

Alarming by functional problems



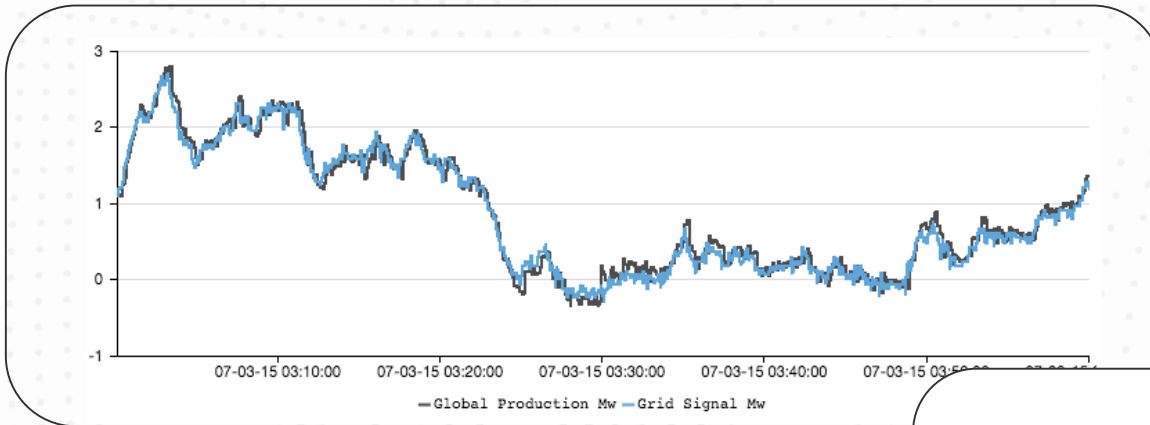
Energy efficiency for households with electrical heating systems

By joining tiko participants can profit from additional functionalities and support the energy turnaround

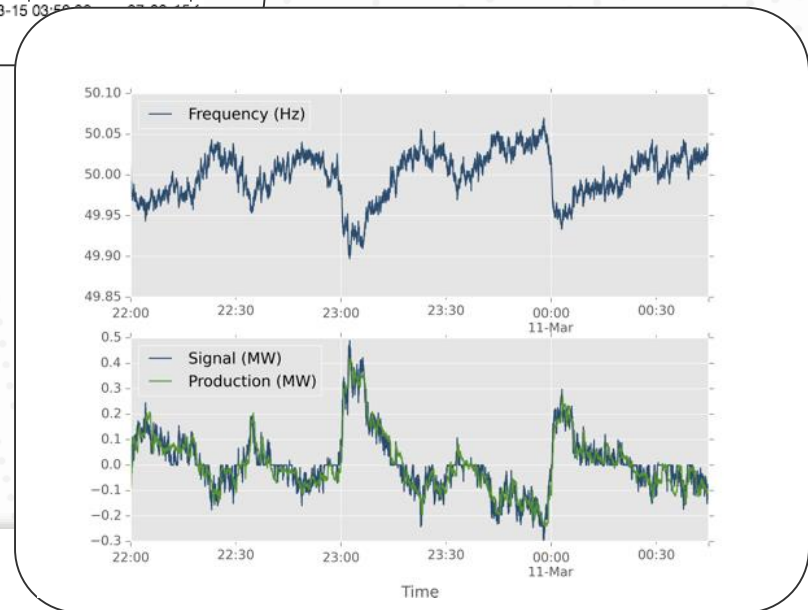
tiko power – high precision virtual power plant

Participants are proud to be part of it

tiko SRL production extract



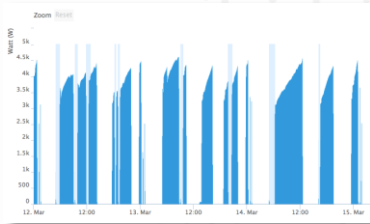
tiko PRL production extract



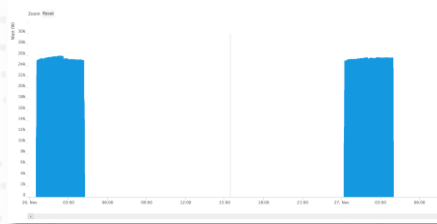
tiko communicates with each device per second

New business models can be developed

1 Heat pump



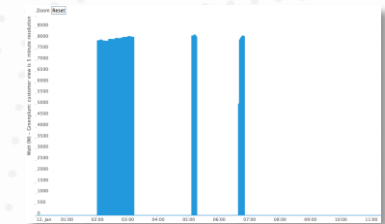
2 Night storage



3 Direct heating

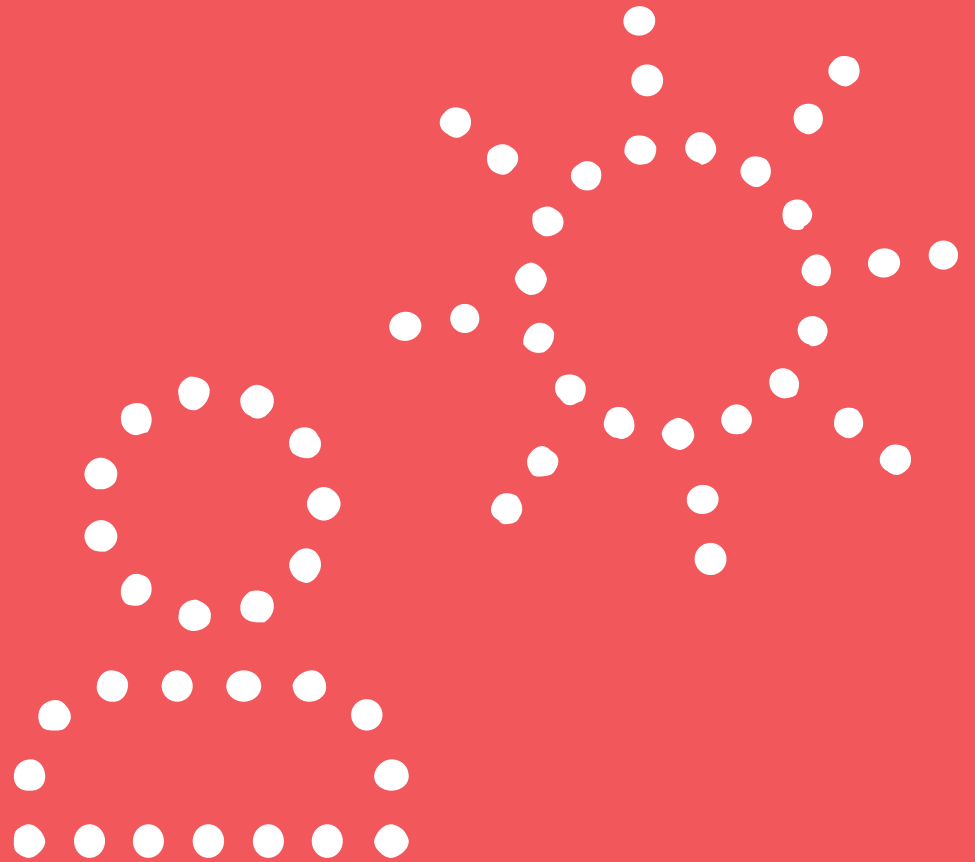


4 Boiler



- Enhanced maintenance services
- Increase in energy efficiency
- Added value for the customer

Thank you



tiko