

About EWS



200,000 electricity and gas customers

operate 9 electricity grids around Schönau region

currently approx. 170 employees

cooperative members >7.000

197 million € turnover in 2018

Our electricity supply goal





Renewable Energy Community

of all cooperative members and customers





Prosumers support the community





How is that supposed to work?

Prosumers support the community





By also supplying each other

Value of new technologies?









- Smart metering systems
- Energy management



- Secure data transfer
- Self-consumption
- Contribution to system stability

Our community showcase



27 participants

new small PV plants

battery storage

former FiT PV plants

agrophotovoltaics

electric vehicles

fuel cells

micro CHP



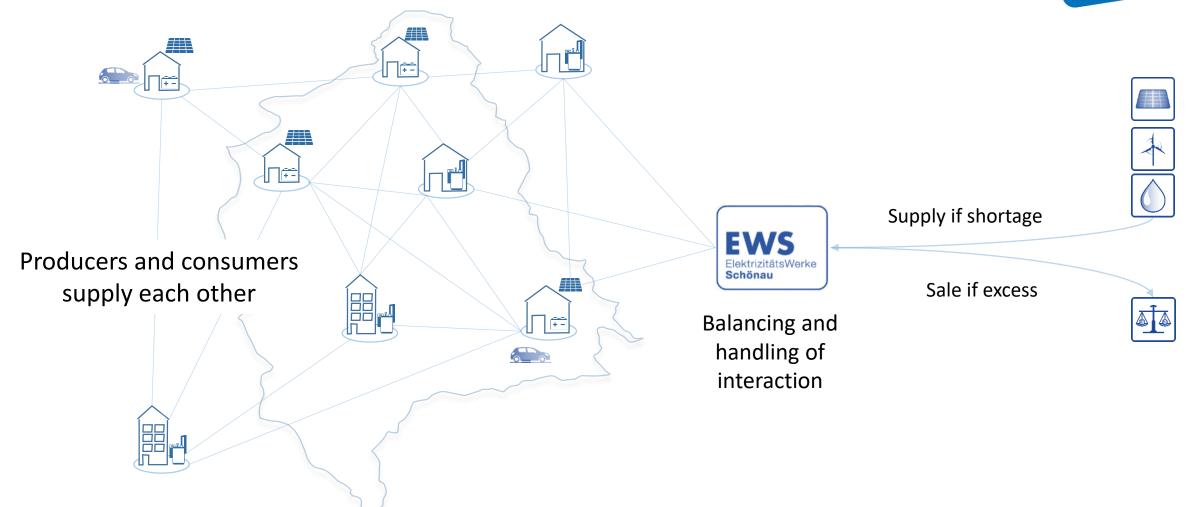






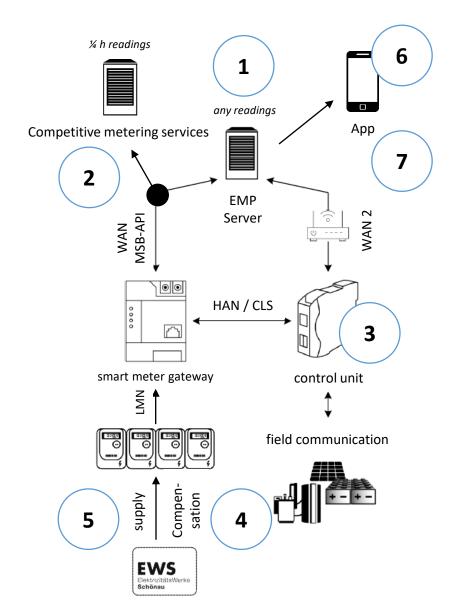
Energy economic implementation





Technology and regulation





- Measurement, analytics and visualization of high resolution data
- 2 Measurement, analytics and visualization of quarter-hourly values
- Connection and read out of different assets (Electricity, heat und mobility)
- 4 Purchase and reimbursement of surplus electricity from prosumers
- Delivery of electricity from prosumers to consumers **beyond** national FiT's
- 6 Monitoring and control of assets in apps
- 7 Forecasting for optimization reasons



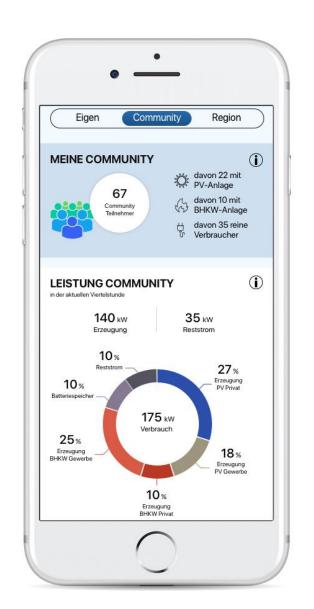






Visualization





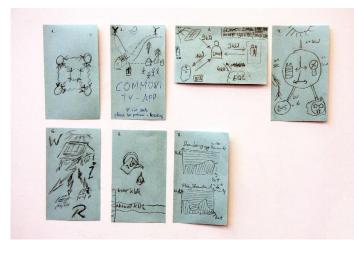


Customer participation









Engagement

Lessons learnt so far



- It's complex. Do it as simple as possible.
- Chance to continue to operate PV systems after FiT.
- Consumers support prosumers. Involve them to increase acceptance of sustainable energy.
- Inspire and involve people to build additional renewables.
- Involve communities and their participants in electricity markets (flexibility management).
- Provide regulatory incentives and reduce technical costs.



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Thank you!



