



Bustainable

2019-05-09 Elfack 2019 landsbygden hjälper staden @Sustify @joachimlindborg #Väx_El #Live_In #smartgrid #elfack2019

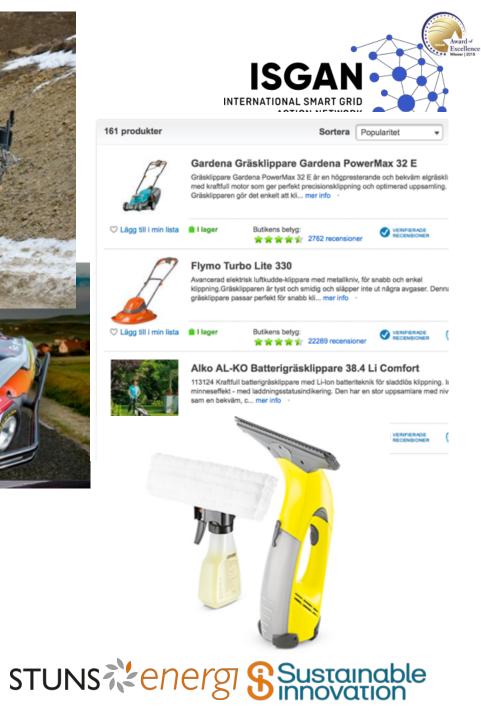


Elektrifiering

First ever ELECTRIC-MX race at ZOLDER



RUEIN KOMATSU





The fastest fan in attendance on Saturday's race day will go head-to-head with Formula E drivers on simulators running rFactor 2... Can the fan beat the pros?

Det går fort i Smarta hem



200 000 produkter

Europas största webbutik för teknik och elektronik

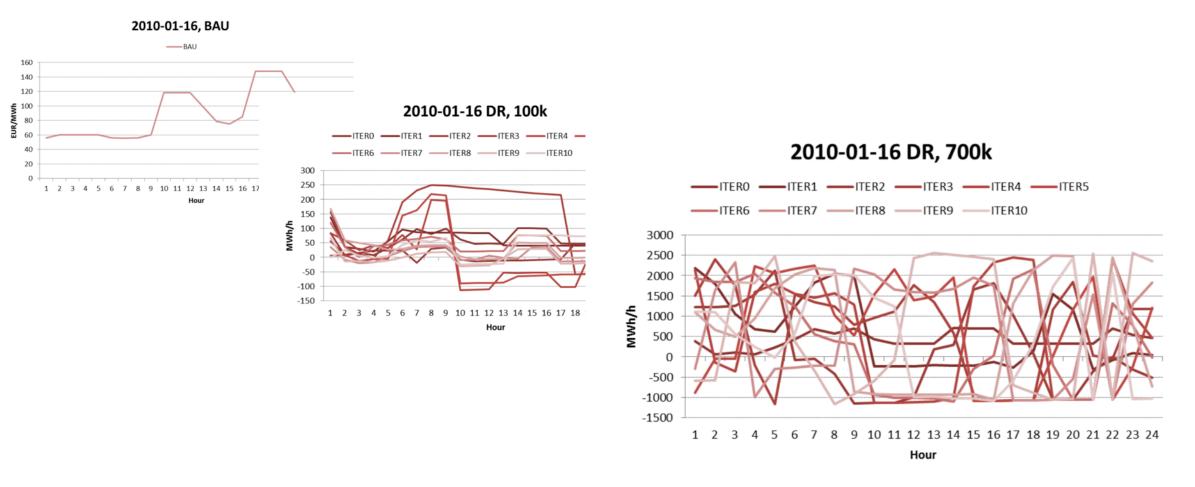
🔮 Över 90 års erfarenhet 🛛 🔮 Två års garanti 🚭 Fri frakt över 999 kr

NY KUNGregistrering | Mitt Konto





Active devices on energy only, day ahead market



Smarta elnät?







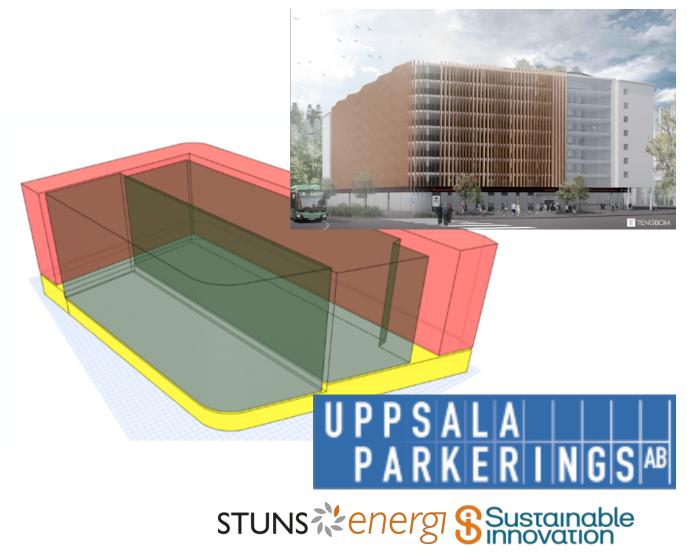






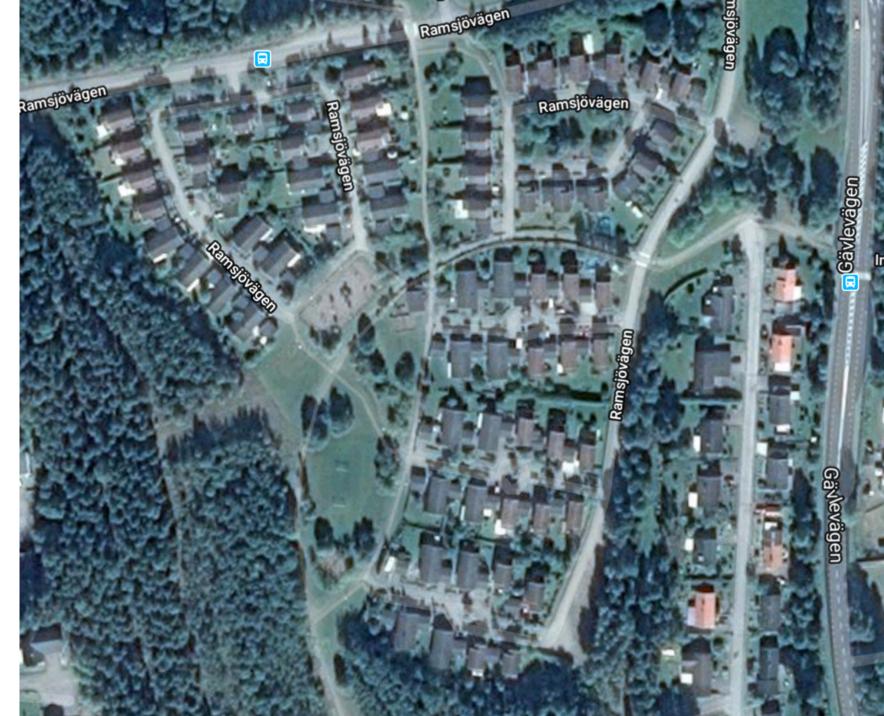
Regulatory issues on local energysystems

- 3Dimensional ownership of buildings
- Several different usages
- Carpark 100*3,7kw evcharging
- Rental appartments
- Local store and businesses
- 52kW solcells
- Not allowed to share the production



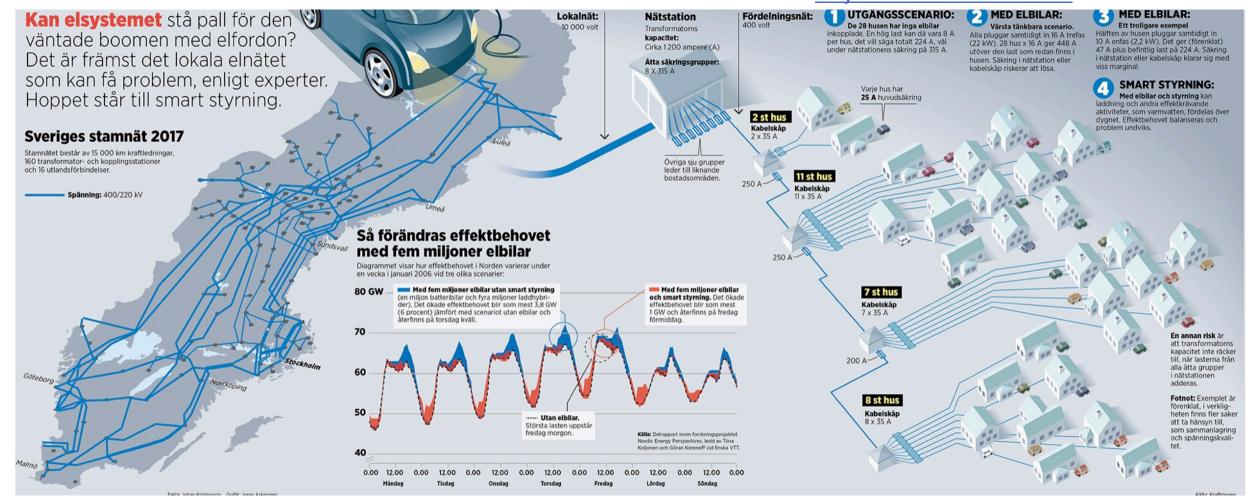
Regulatory sandbox

- Southbound roofs
- EV's
- Houses with batteries
- Local energy community
- Societal gains



5 miljoner elbilar,

https://www.nyteknik_serformer sa-ska-elnatet-forsorja^ferff_wor miljoner-elbilar-6895429



STUNS Cenergy Sustainable

23:30

23:00

18:00

18:30 19:00 19:30 20:00 20:30 21:00 21:30 22:00 - Nejlikan89_fas1 Min: 16.00 Max: 90.40 - Nejlikan89_fas2 Min: 15.50 Max: 72.80 - Nejlikan89_fas3 Min: 12.60 Max: 78.60

Nejlikan 89 faser Ström

Nejlikan 99 faser Ström

Fredagsmys

17:00

17:00

17:30

17:30

17:30

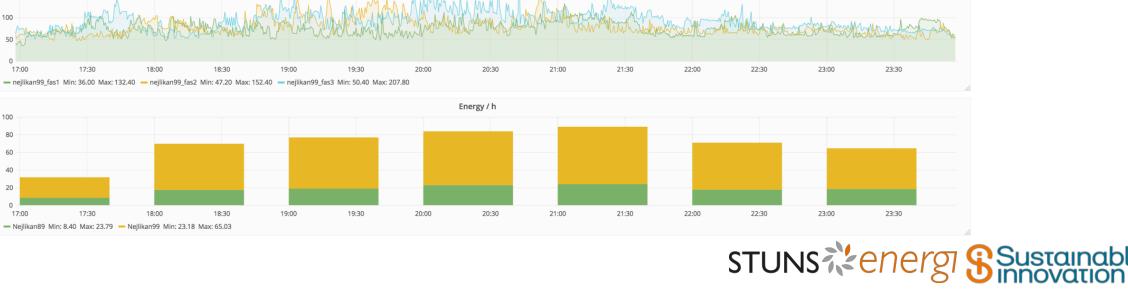
- Nejlikan89 Min: 8.40 Max: 23.79 - Nejlikan99 Min: 23.18 Max: 65.03

18:00

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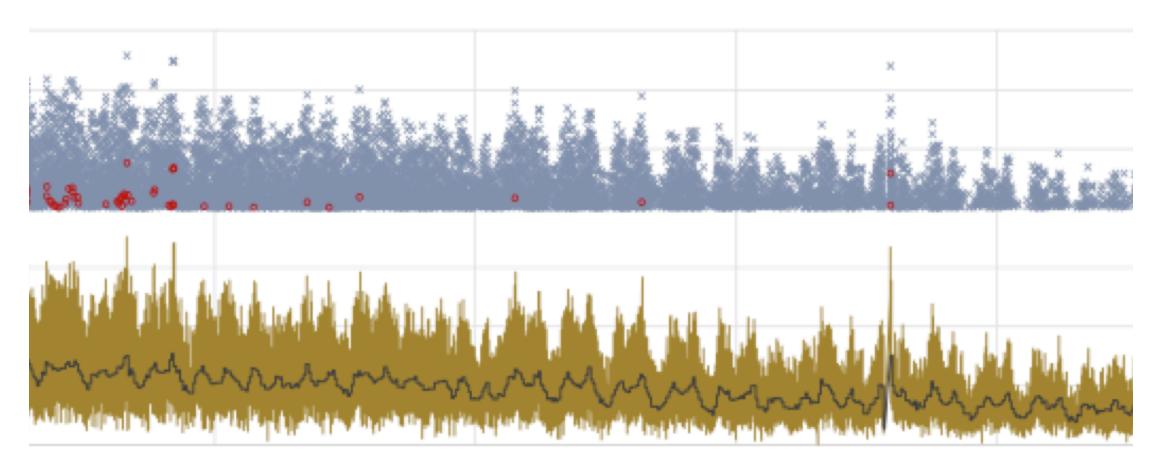


22:30





83 bilar / h 13 i real tid

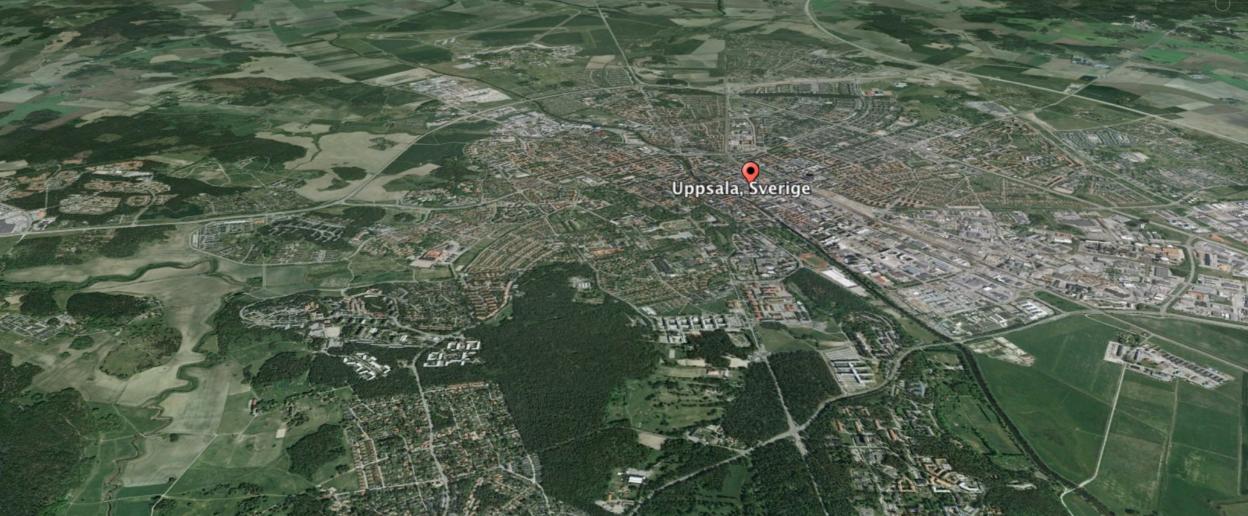


STUNS Cenergy Sustainable

ISGAN STANDARD PRESENTATION



Lokala energisystemet Uppsala









The Swedish smartgrid testbed

Live-in.se



ISGAN award of Excellence winner

Price goes to project that in the best way exemplify excellence in smart grids for flexibility



Sustainable Innovation tilldelas ISGAN Award of Excellence för arbetet med smarta elnät



Sveriges smartaste elnät 3:02 min



Artiklar och publikationer

Ny Teknik De bygger det smartaste elnätet där elbilar ska hindra effektbrister

PM Sveriges smartaste elnät utökas med solel,

In order to increase the share of renewable energy and reach a more flexible energy system, the development of new technical solutions is important. It is therefore very pleasing to see the progress made by Swedish companies internationally and I congratulate Sustainable Innovation on the award, confirming that they are world leaders in their field, says Ibrahim Baylan, Swedish Minister.of Energy





Vinter tests started 27/11

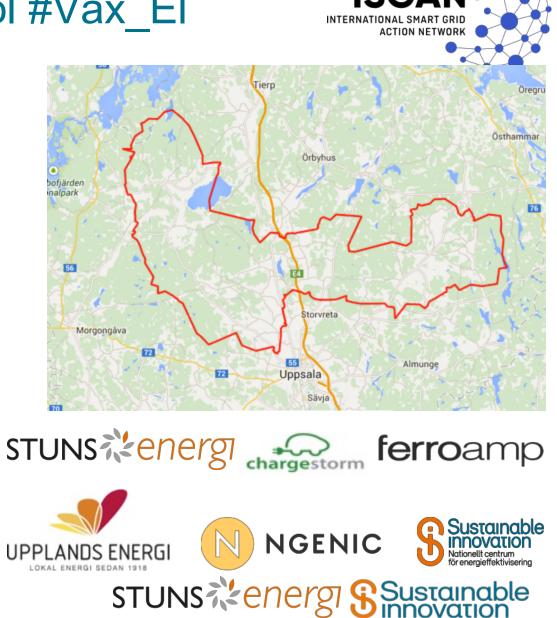
Domestic Installations MPC control logic running Aggregator integration

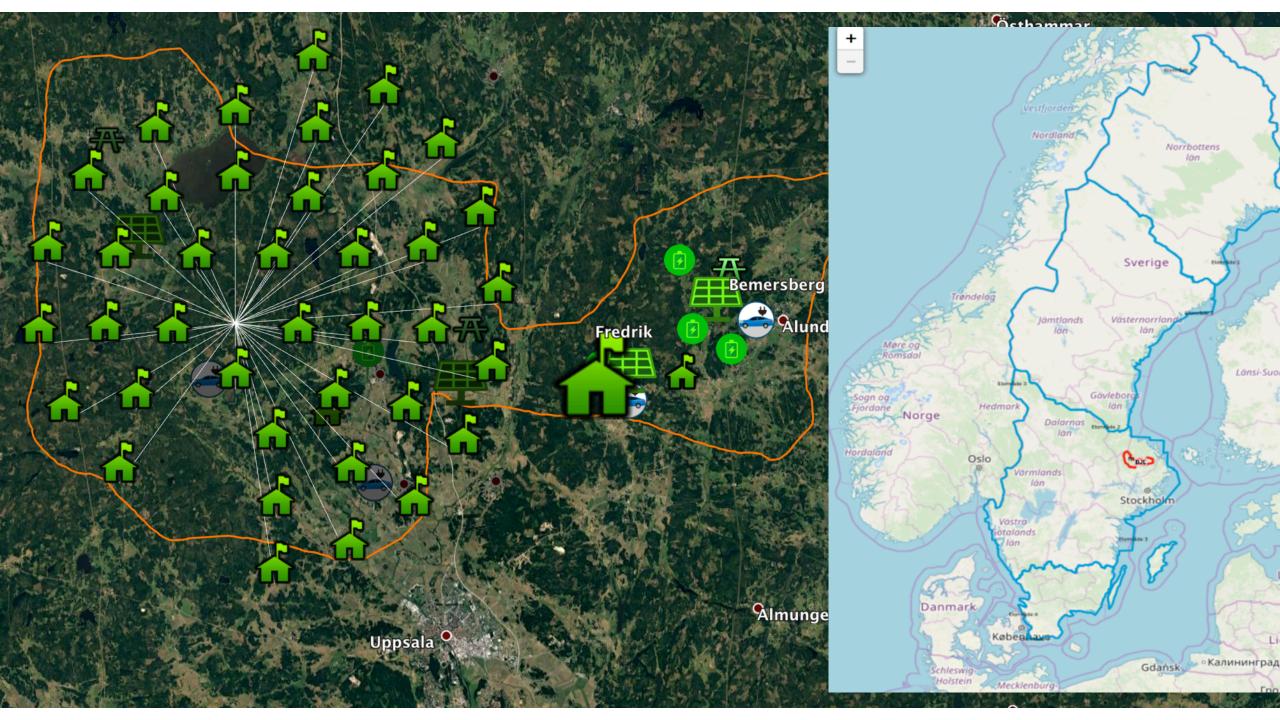




Goals Coordinating power control #Väx_El

- 500 empowered villas in the grid of 14000 customer
- 1MW manageable power, water based inertia in Villas.
- Energyefficiency goal 10%
- 75kWh domestic batteries give 60kW flexibility
- 10x3,7kW connected EV chargers 37kW
- Bussiness models, share the profit
- Customer feedback
- New dynamic tariff models



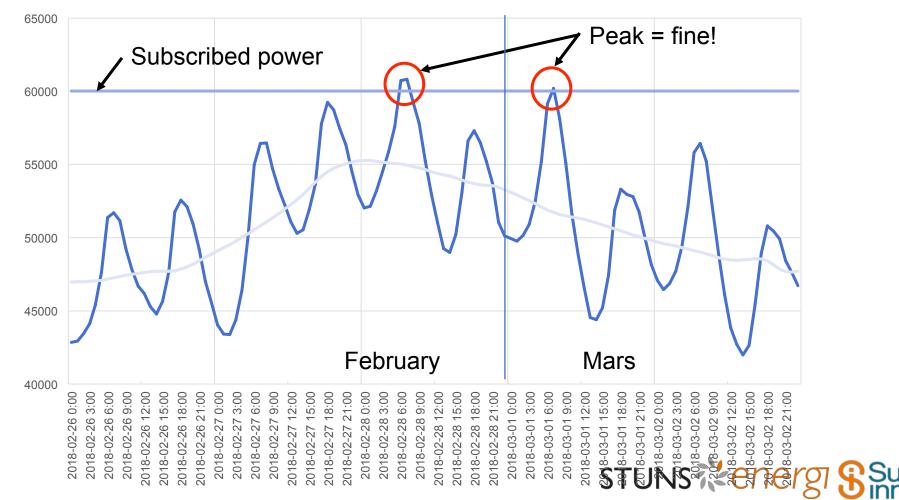




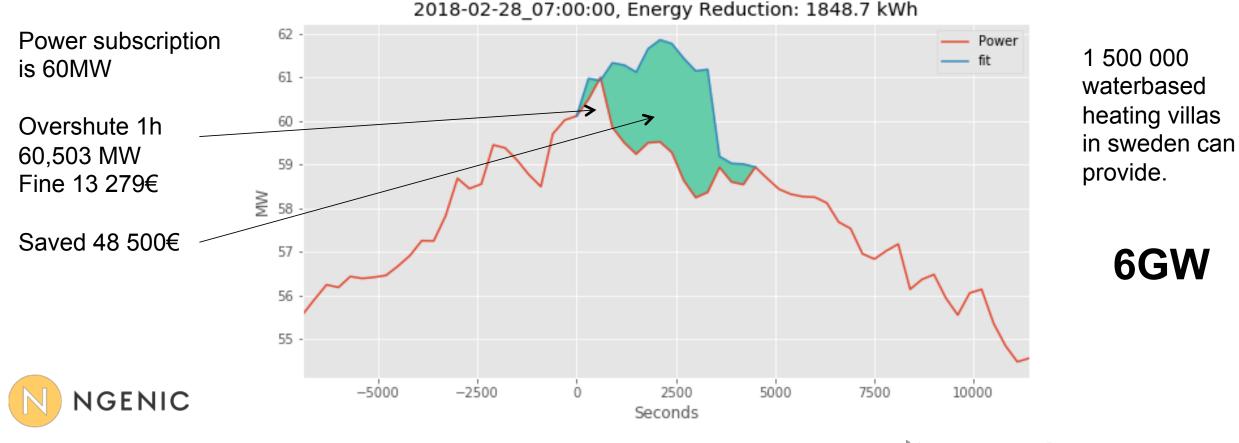
able

The DSO challenge, peaks and fines

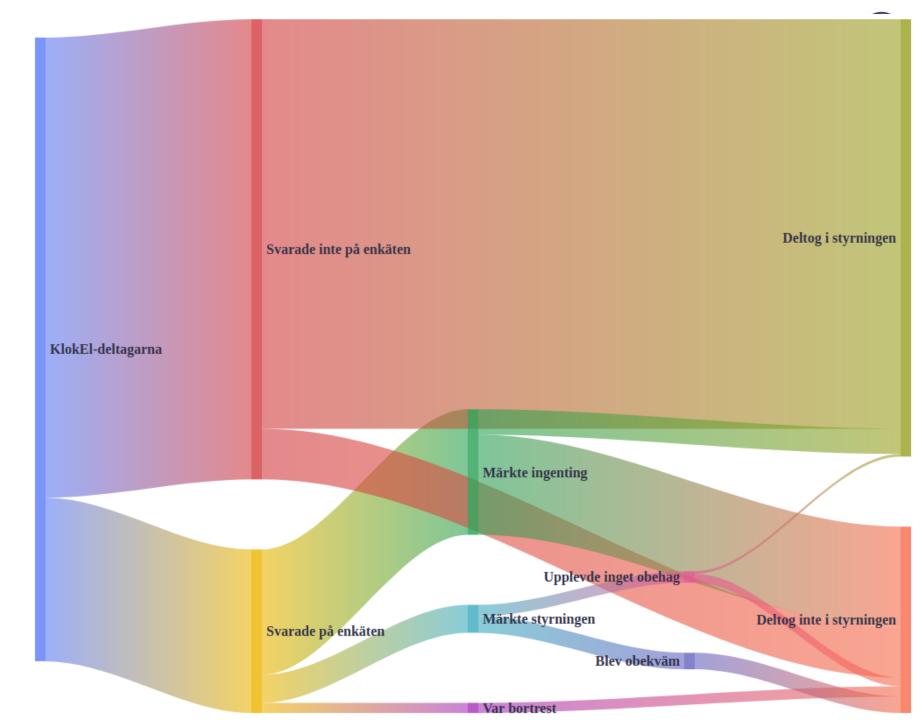
Power in Upplands Energi 2018-02-26--2018-03-02



Potential: 250 Villas unleash > 1MW power flexibility ≈1,8MW ATION NETWORK storage

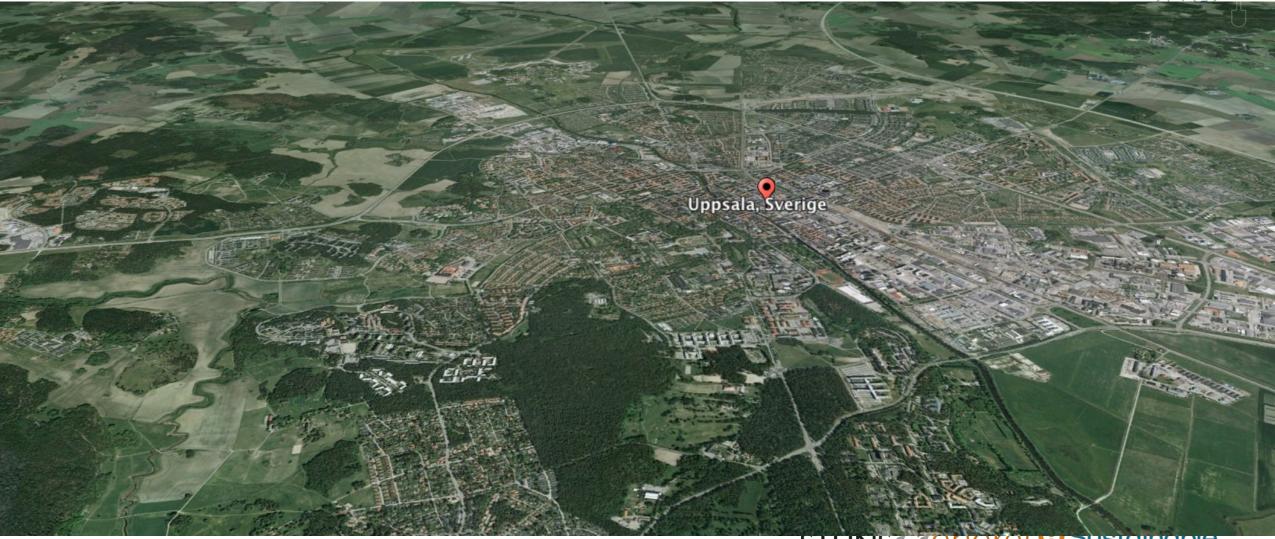


Don't disturb the users





Stad och landsbygd i samarbete



STUNS Certer gr Sustainable

Effekt, ett av Sveriges just nu viktigaste ämnen Vilken kunskap behöver du testa dig fram till?

Framtidens energisystem Välkommen till Live-Ir smartgrid

7V53

Vi är alla del av det nya energisystemet, häng på och var med och förändra

About Joachim Lindborg



•Currently CTO of sust.se, I'm a technology enthusiast that believe that IoT is really about human interaction with systems adding value to life and that closed systems will die in favor for open ones.

•For the past 20 years I have been working with system integration, especially at the intersection of energy and IT. I was one of the founders of homesolutions.se a start-up company integrating systems for supervision and maintenance of buildings.

•In the IT boom during the late 1990s I was employed by the swedish Utility Vattenfall to develop solutions for the smart home. It was an exciting time but it ended in disappointment. Now we are back again and with Internet of Things and a more stable technology I do believe that this time we will succeed. Right now I am working with companies in home security, heating and air conditioning, with energy companies and service developers in a project integrating all these technologies with sound business models for smart home services for energy control and efficiency.



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