

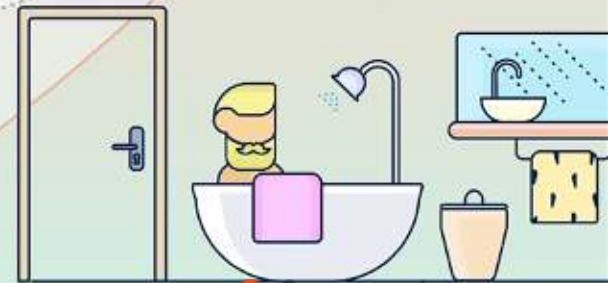


Flexible consumption pattern with focus on households

Fridtjof Okkenhaug 20.09.2022

OUR MISSION STATEMENT

*Our mission is to empower the people to make
the household as an active part of the energy transition
by humanized technologies that improve the quality of life*



So how could we help them do that?

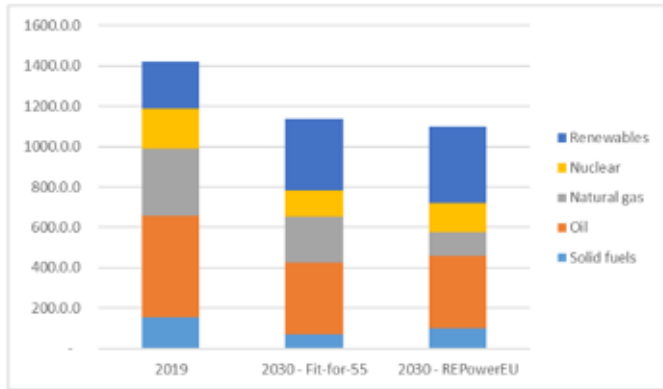
What motivates or worries them?

And what precisely is *that*, really?

REPOWEREU + FIT FOR 55 INITIATIVE SHIFTING THE POWER MIX IN EU

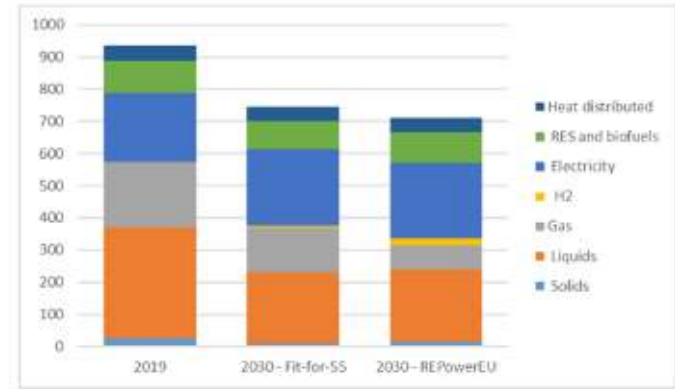
Major shift towards Renewables in energy mixture due to REPowerEU, all based on electricity as final energy source, lifting electricity from approx. 22% of total consumption in 2019 to approx. 33% in 2024

Gross EU consumption by fuel development 2019 - 2030 (Mtoe)



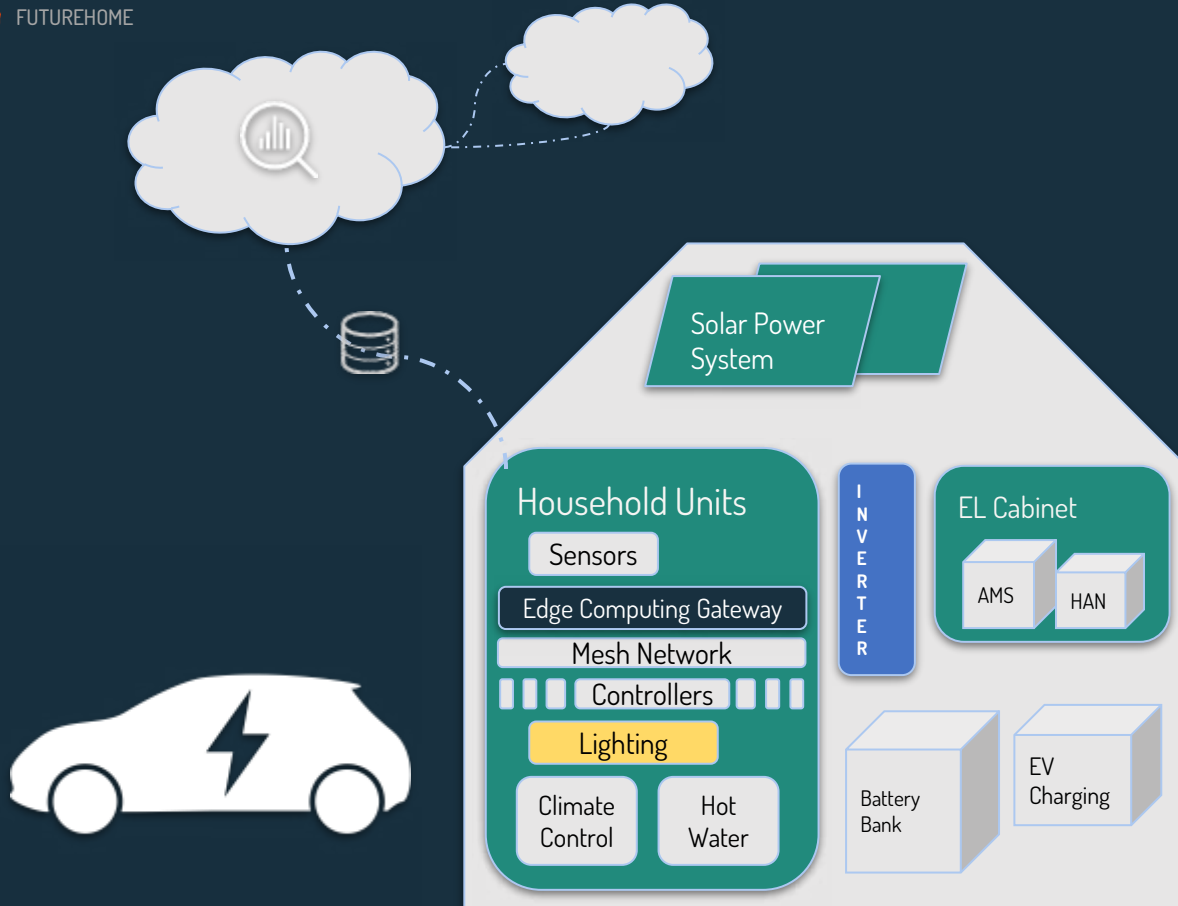
Renewables from approx. 15% to 36% of total Gross EU consumption from 2019 to 2030 – up over approx. 200 Mtoe in the period

Final energy source consumption by fuel development 2019 - 2030 (Mtoe)



Electricity consumption from 22% to 33% of total energy consumption from 2019 to 2030

Shifting to electricity as main energy source of consumption in EU constitute of a major implications and a major opportunity for Futurehome



Active household flexibility

A rapidly emerging future for households in Europe?

Big initiatives here in Norway, Scandinavia, and Europe at large tells us this is likely where we were headed ever more rapidly.

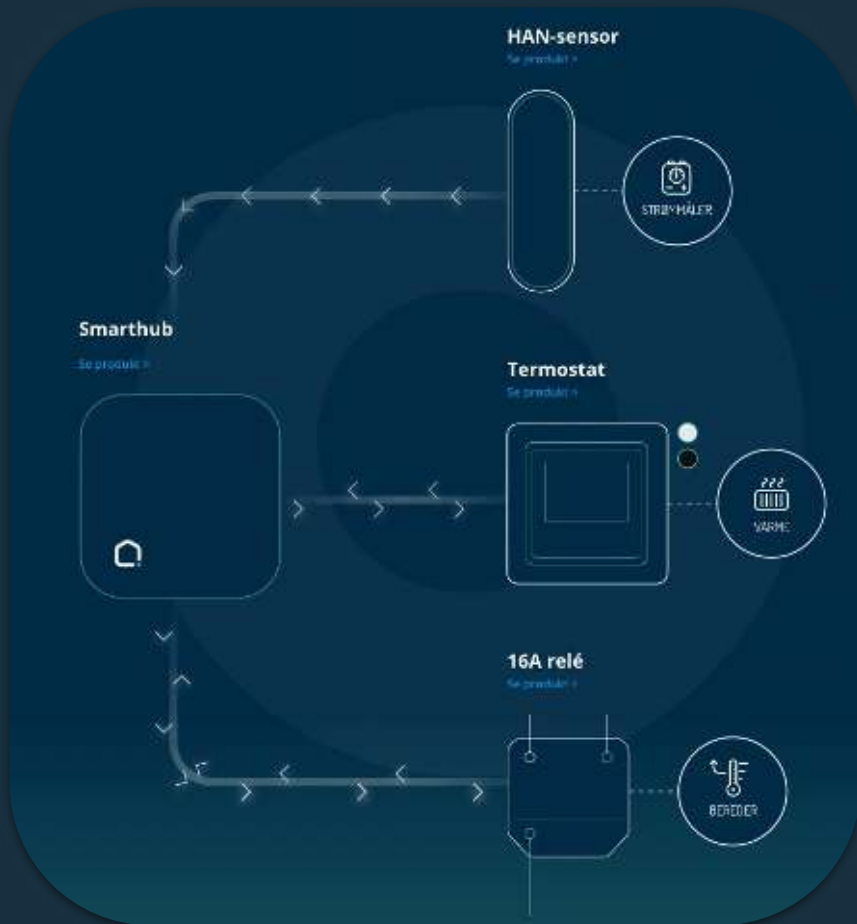
In some ways it's already here...



Could we truly make the transition?

How would that affect the households most important
feature?

It's residents, the home dwellers



Right now, what we do

Is to start with what we know

About what is most important

For the most amount of people



SPAR ENERGI OG PENGER

Strøm Kontroll™

StrømKontroll™ er den komplette pakken som lar deg få full oversikt og kontroll over strømforbruket i hjemmet ditt. Ved å justere på de største lastene, som varme og varmtvannsbereder, kan du forminske strømregningen med flere tusen.

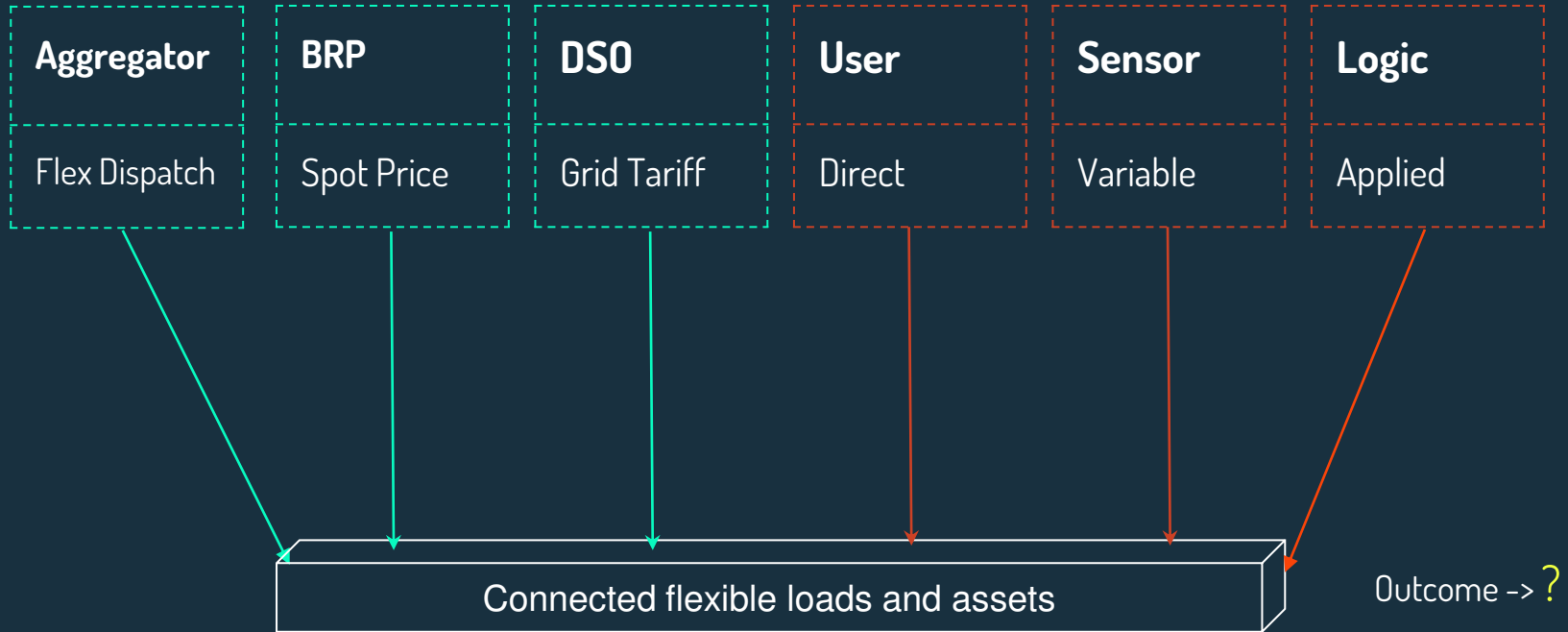
[BESTILL INSTALLASJON](#)



Med StrømKontroll™ fra Futurehome reduserer du strømforbruket ditt med flere tusen kroner i året. I tillegg kan du få 35% av investeringen tilbake fra Enova.



Challenge 1: Decision making



Balancing external steering signals, prosumers real-time inputs, self-repeating logics, and variabel sensors is a task that will not make everyday more convenient or efficient in the long run.

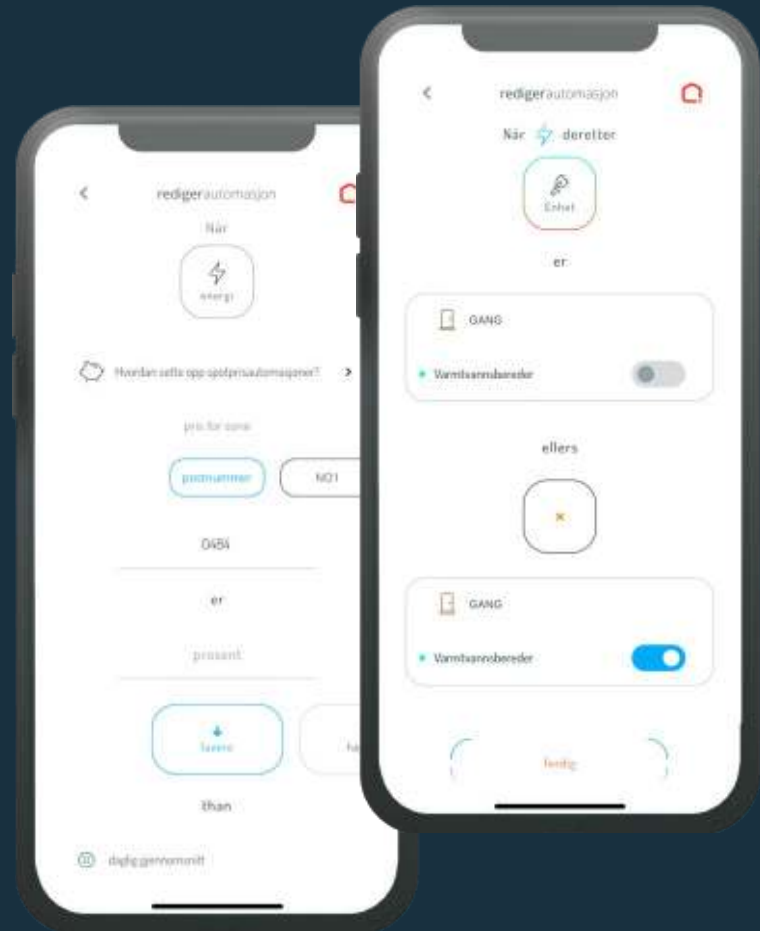
When giving away more control to machine decisions, which type of control mechanisms should remain for a household or grid company?

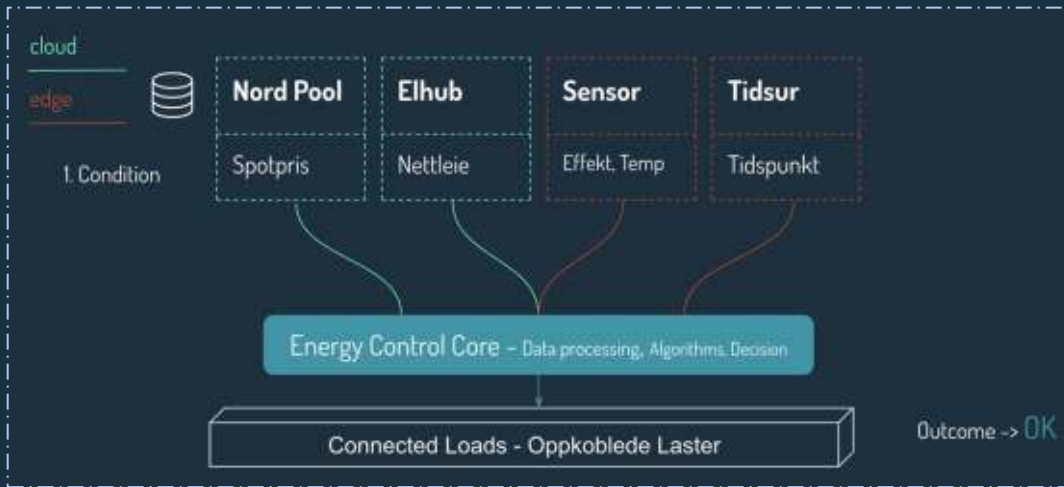
Relevant links to Futurehome support articles as examples

[Spot Price Automation](#)

[Power Automation](#)

[Home Profile Automations](#)



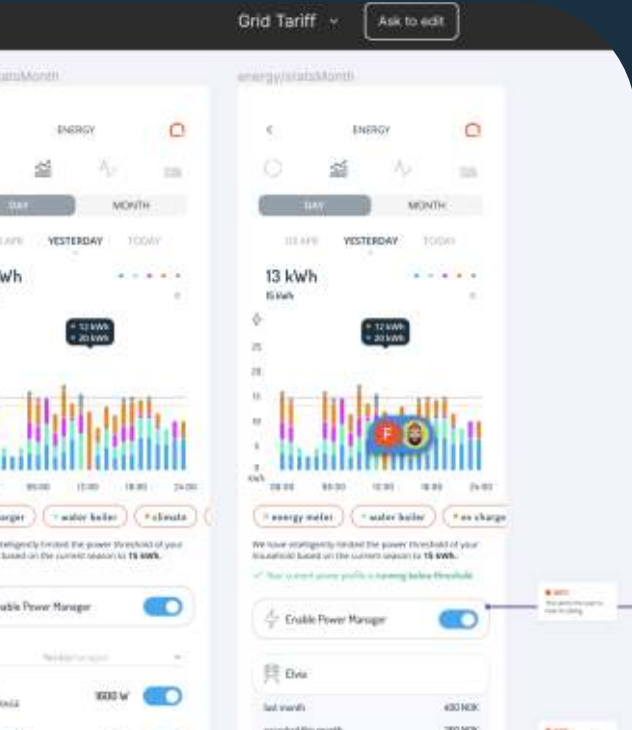


1. Decision Engine

2. Load Balancing



3. User friendly messaging



“Your grid tariff came to 250 NOK last month - down from 400”

“The energy cost for last month were 1200 NOK - we saved you 500”

“Your overall consumption were reduced by 20% - that’s great work”



Thank you,

Hope you have questions

And that you feel the urge to join our mission