

Sell the problem you solve, not the product you offer

- Affordability issues of real estate
- Ambitious energy regulation
- Increasing complexity of HVAC
- Increased mobility / flexibility of users
- Internet of things

Shift from Capex-driven towards service-driven real estate: TCO



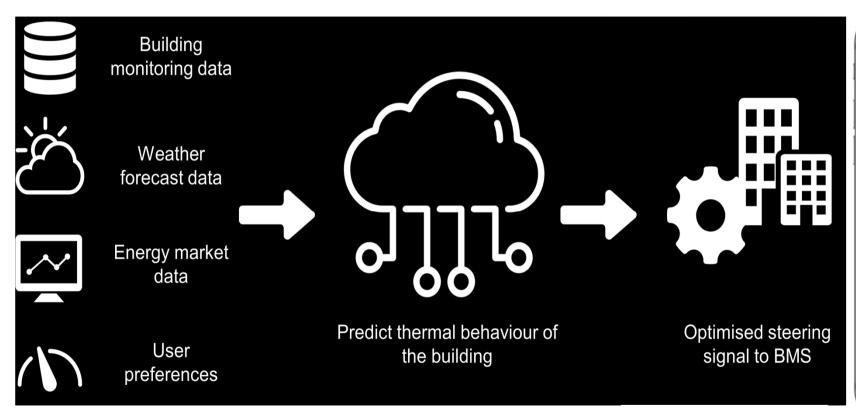
Landlord Services are Back

- 3rd party taking over HVAC, heat networks, PV, HP, storage
- Comfort as a service (from Capex to Opex)
- Performance based (TCO)





IoT: Potential Disruptive Impact on Real Estate

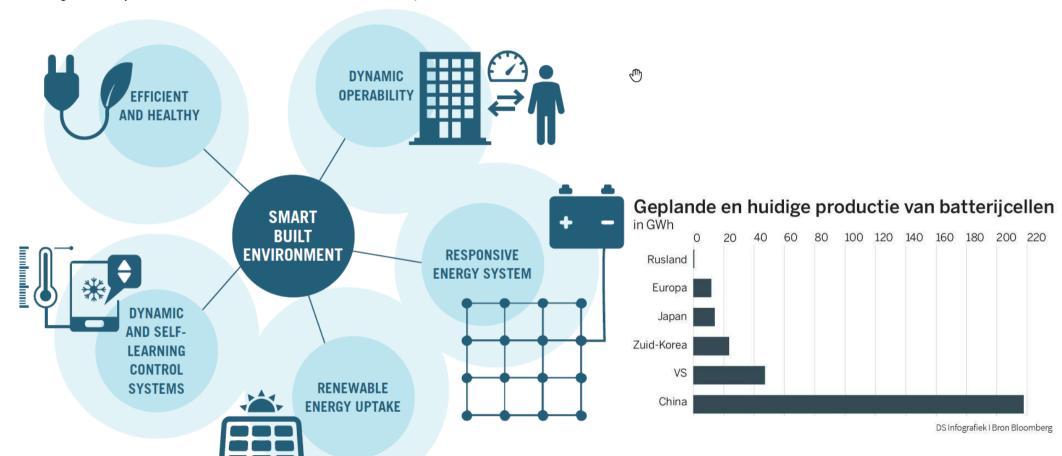






"SMART"

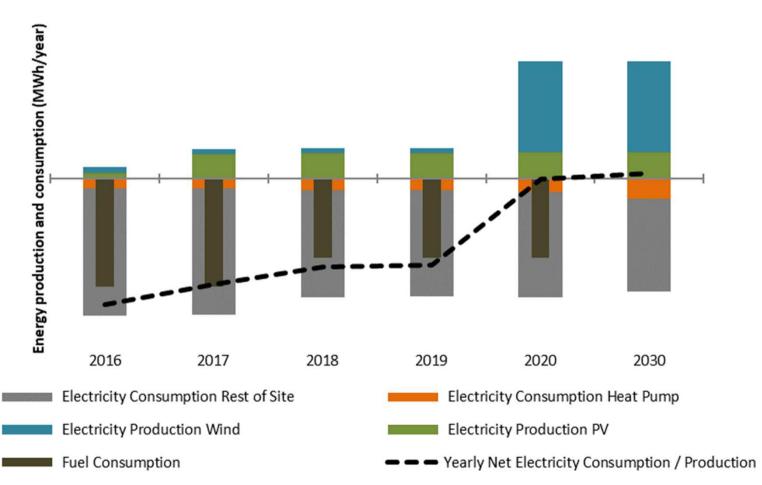
Figure 1 - Five pillars of a smart built environment (Source: BPIE own analysis)





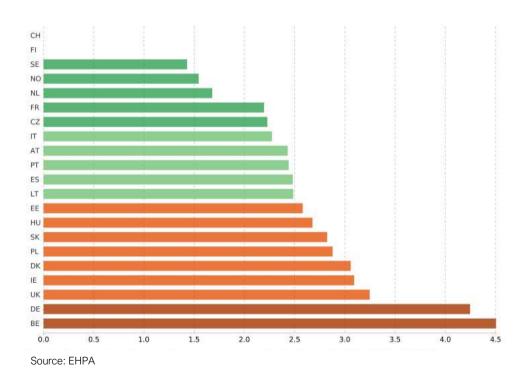
Innovative energy concepts - what?

- (Collective) systems with green heating/cooling
- Energy production
- Energy storage

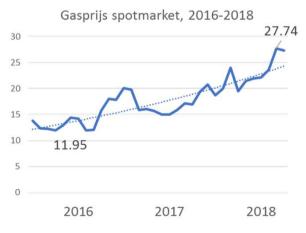




Mismatch natural gas / electricity price









• Restrictions on electrical grid connection

Prosumer tariff

Smart metering

VEA restrictions for collective PV in apartments

Value of injection



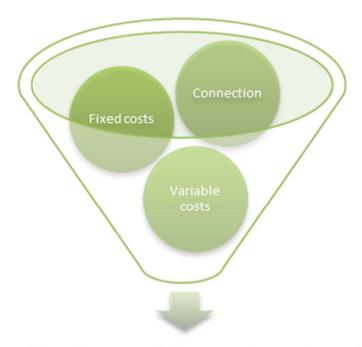


Affordability

increased CAPEX (and OPEX)

NMDA principle

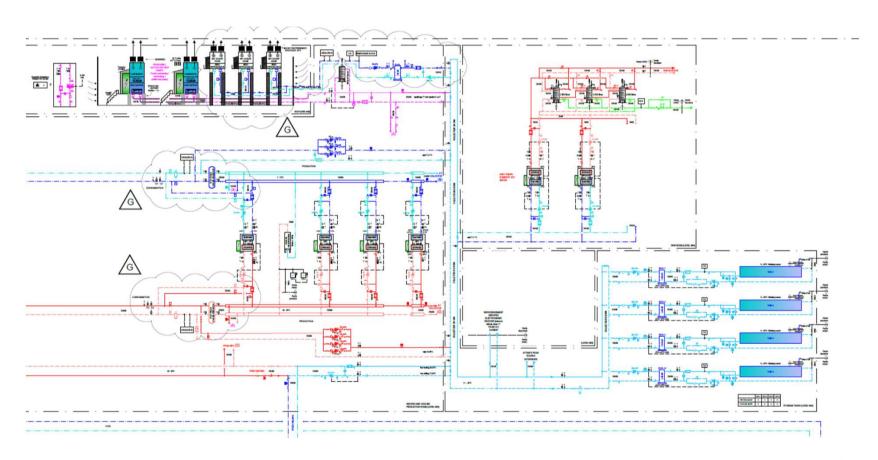
Subsidies



Heat tariff at the cost of the next-alternative technology



Complexity technical juridical





Innovative energy concepts - why?



Source: De Standaard

Paris climate ambitions

+1.5°C

• IPCC 2018

investments in RE * 7

forest with size of Australia

CO₂ capture

Sense of urgency



