

Peder Berne

Digital District Heating

For a flexible energy system

e.on

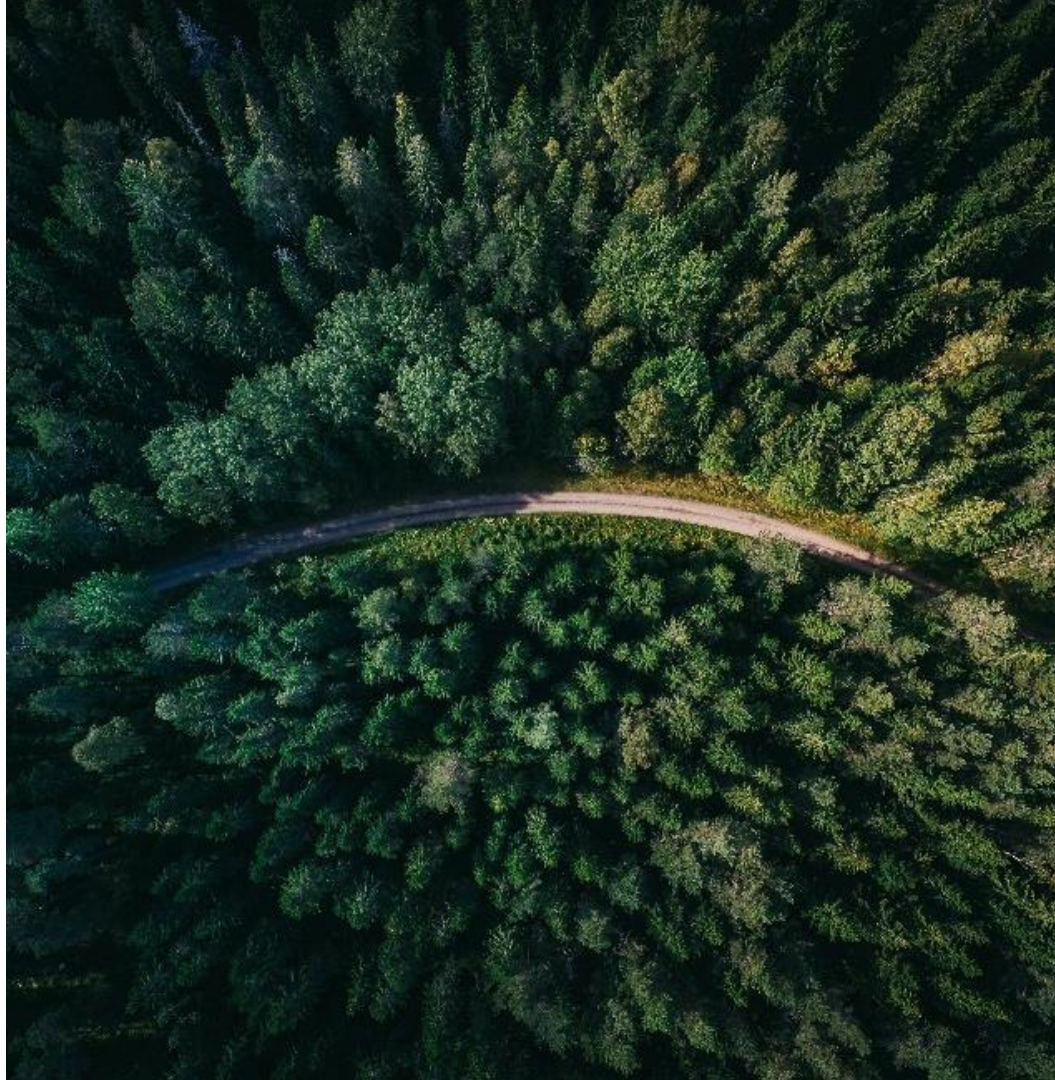
We have set a clear target:

100% recycled &
renewable energy
by 2025



Why digital DH?

- Optimizes the energy system, from production to customer
- Minimizes use of new resources and ensures sustainable future operations
- Builds strong customer relationships



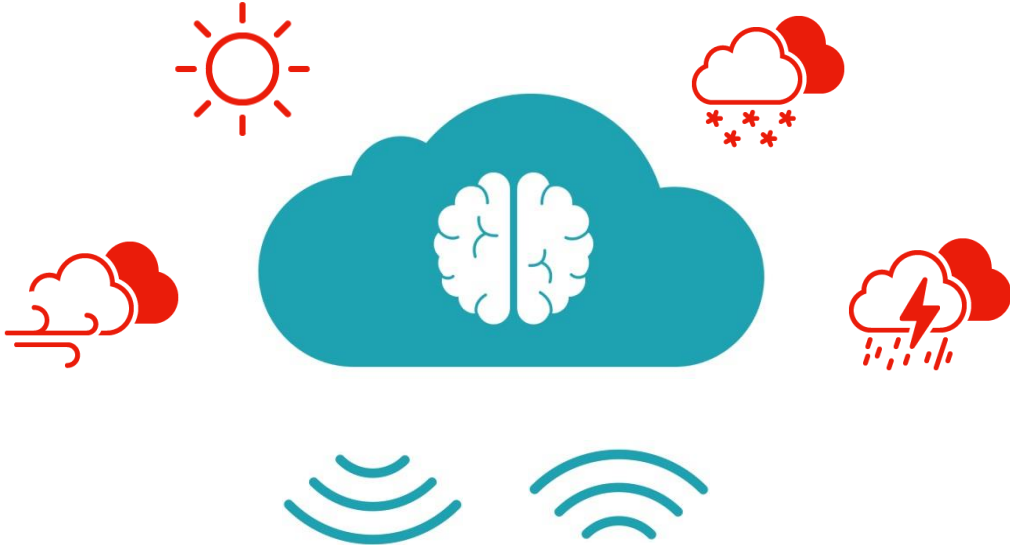
How does it work?

Three layers functionality which communicates and operates together:

- The cloud platform (ectocloud™)
- The energy manager
- The building management system



ectocloud™



Power Control

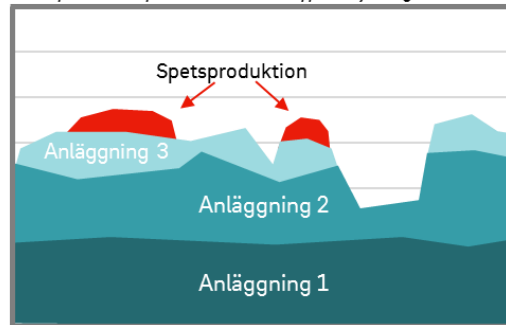
Power control allows for the district heating DSO to reduce or increase the load demand temporarily

On activation, the desired power control signal is generated and sent to the energy manager.

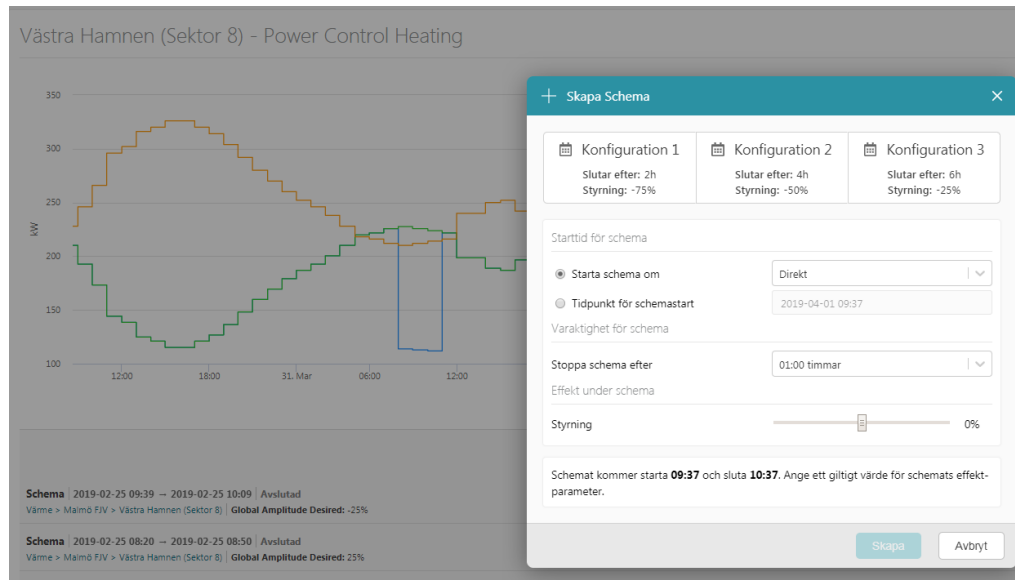
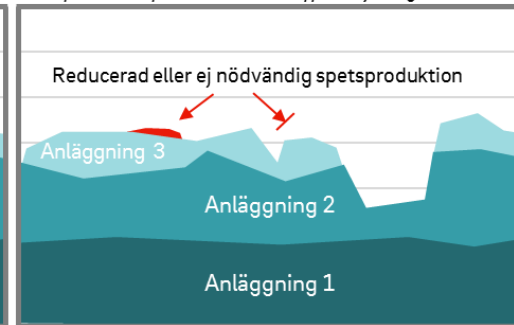
The demand is controlled during a short period of time, without affecting the indoor climate

How much flexibility, i.e. controllable power, that is available is continuously calculated and updated in ectocloud and is visualized in the operator interface.

Exempel värmeproduktion utan effektstyrning



Exempel värmeproduktion med effektstyrning



A connection that creates value

- Adding a third dimension in District Heating
- Collected data, a valuable asset when connecting technologies
- Collected data, crucial in new services and improved customer relations



The Energy Manager

Tack!

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