



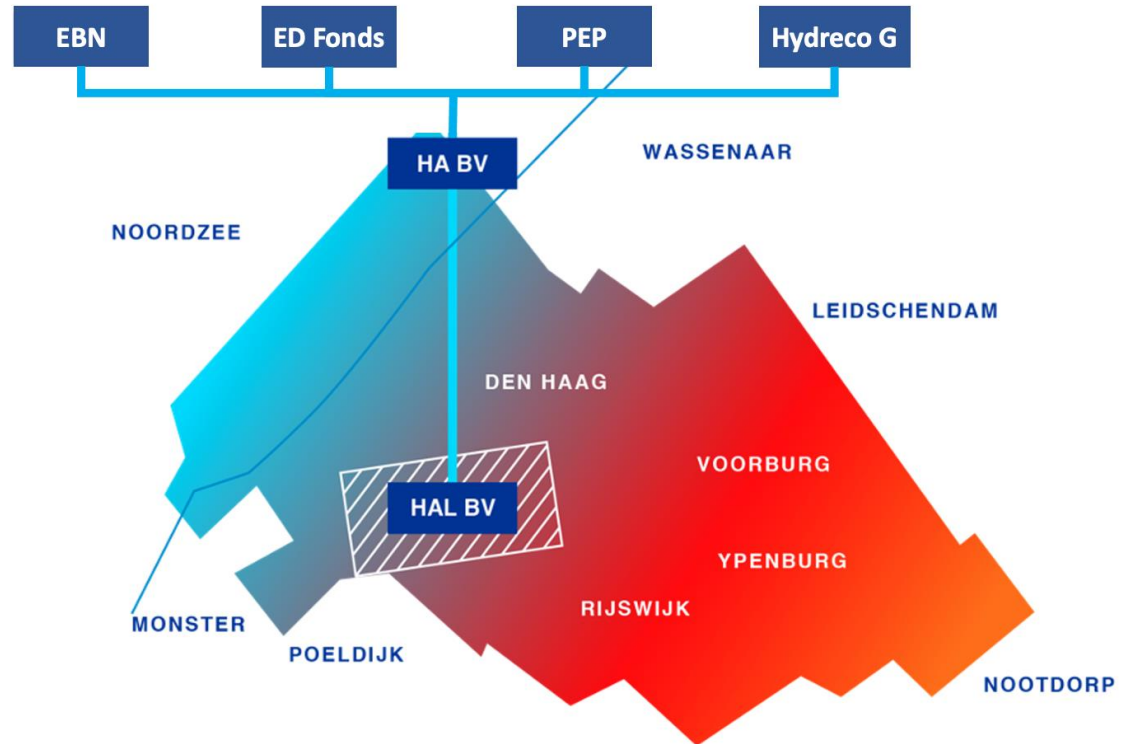
Real local - Sustainable heat

echt haags warm.

9 March 2022

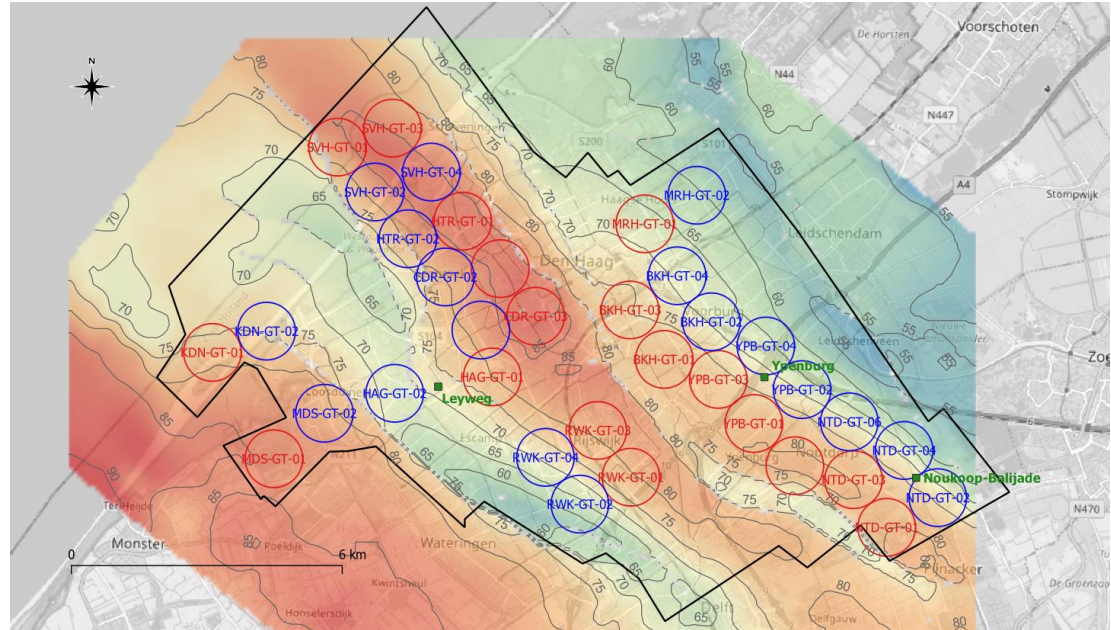
Haagse Aardwarmte

- 2016 acquisition of wells
- 2018 clean out of wells
- 2020 permits
- 2021 start production



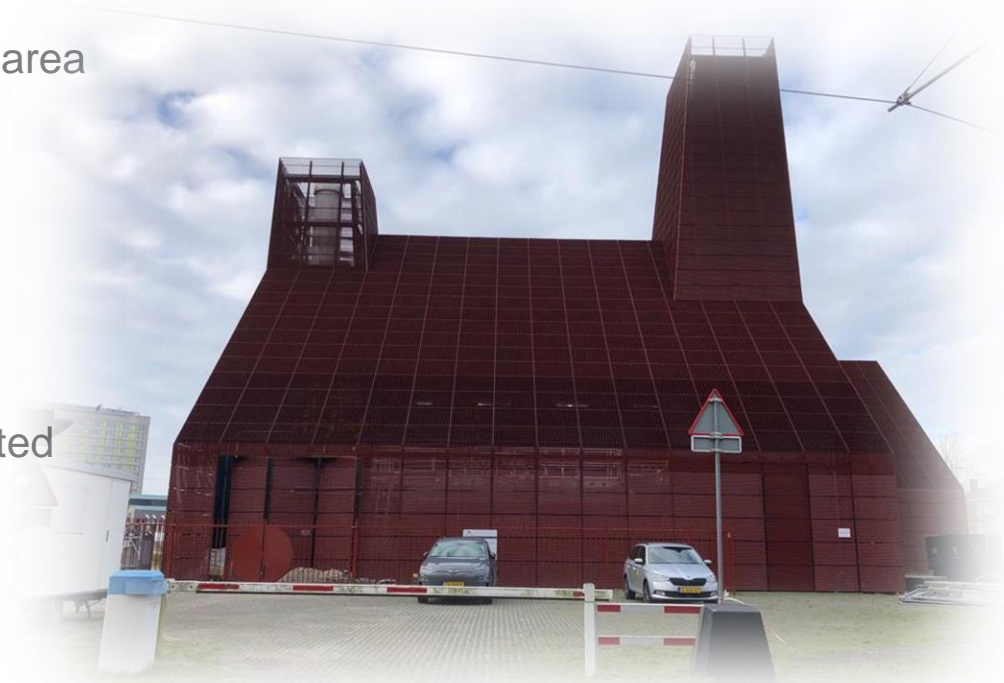
High Potential

1. Leyweg operational
2. Subsurface
 - Great potential with 18 doublets
3. Heat distribution
4. Local political support
5. Experienced portfolio operator



Leyweg is unique

- 1st Dutch geothermal project in urban area
- 1st with approved production permit
- 1st with ORC for E-production
- Smallest plot for surface installations
- Longest standstill of wells
- Flare / gas separator building integrated
- Own seismic measurements



Lessons learned

- A good quality location is key:
 - 50 x 100m plot
 - Distance to houses > 100m
- Preferably own building
- Think big
- 4 yrs development period is too short
- We can't do it alone



Way forward

- Focus on 3 new projects:
 - CR Plein, Nootdorp and Ypenburg
- Start feasibility on:
 - Binckhorst and Rijswijk
- We need offtake – start with c. 5.000 WEQ
- Formation gas into gas grid
- Heat demand fluctuations:
 - Heat pumps
 - Heat storage





echt haags warm.