



MIJNWATER, BASIS VOOR DUURZAME ENERGIE

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Heatnet-NWE Advanced 5th generation grid in Heerlen

15th of September 2020
Final Conference Heatnet-NWE



Behaaglijk warm
Aangenaam koel
met Mijnwater

Mijnwater B.V. (NL)
Joyce Bongers
Mijnwater.com

Welcome – meet the team



Joyce Bongers



Nichol Brummer



Toine Priester



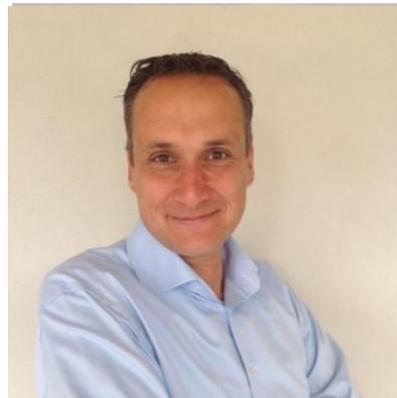
René Verhoeven



Herman Eijdens



Hubert Blom

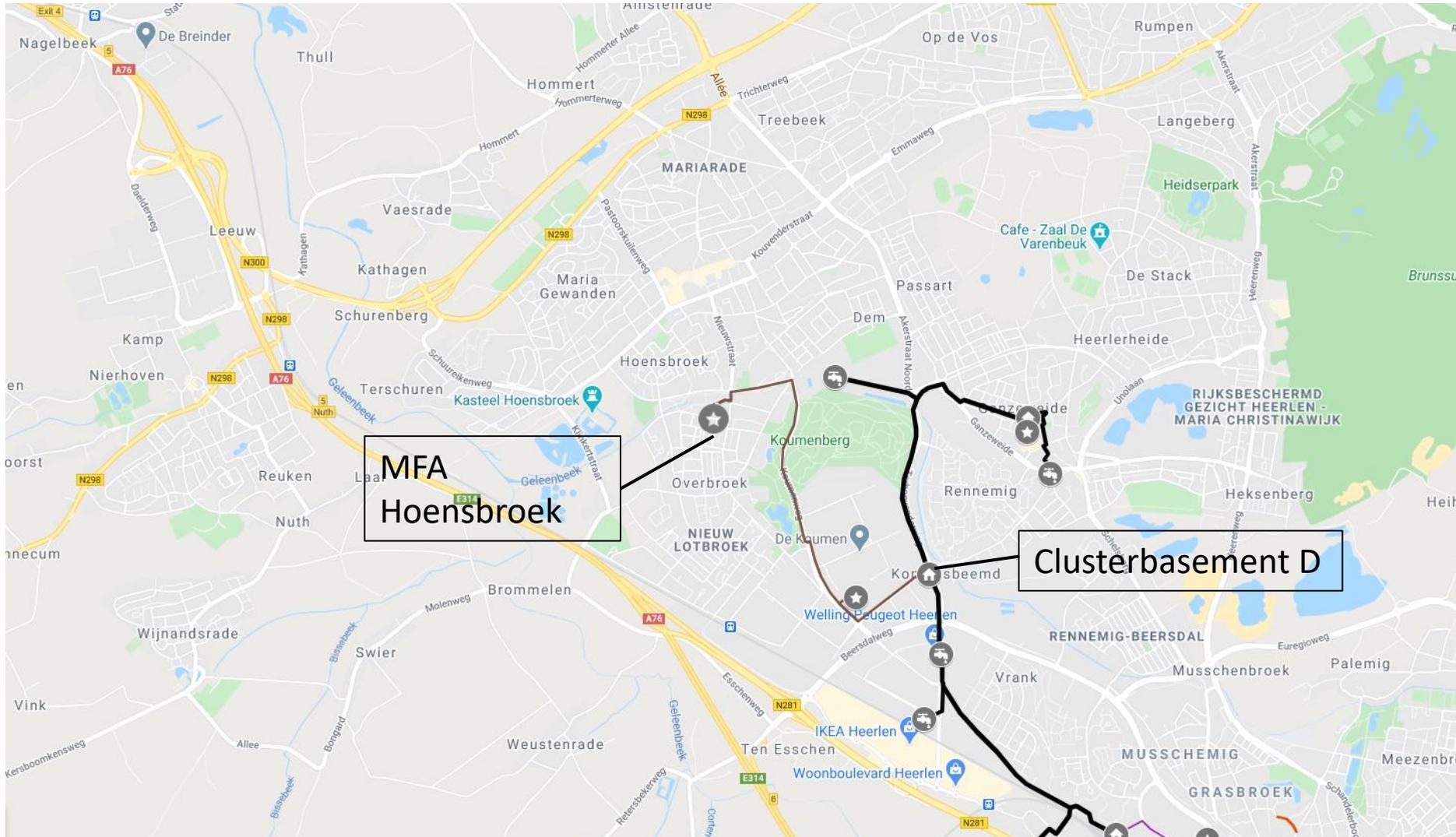


Leo Martens



Marlie Dix

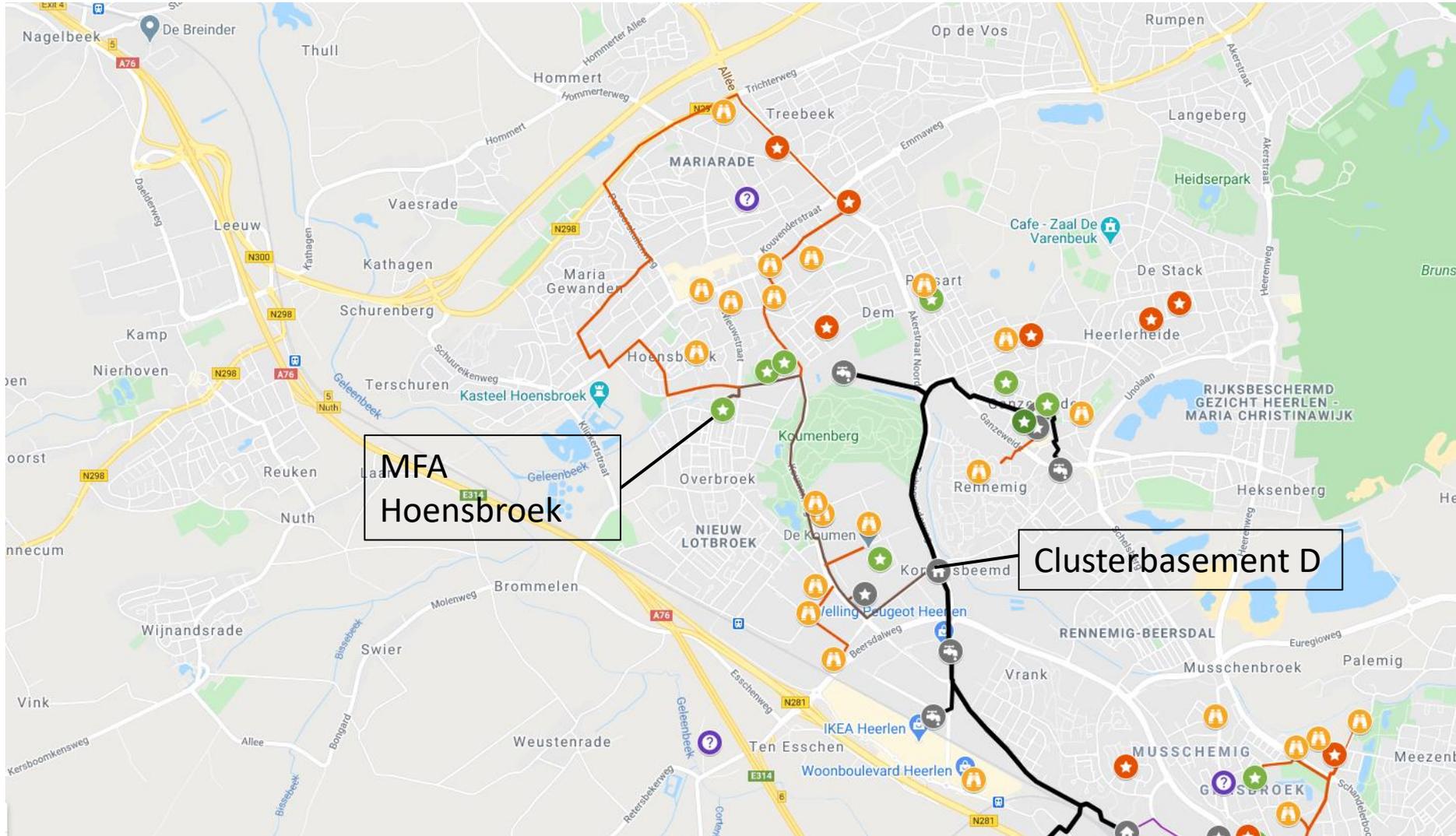
Mijnwater - Roadmap



Living lab within Heatnet-NWE discloses the district Hoensbroek.

The future for this part of the network of Mijnwater lies within the connection of different types of industry, with the possibility to harvest heat. Which we are looking in further with the life4heatrecovery project. And, industry in combination with dwellings, makes a more suitable case to implement a larger heat buffer. Which is being researched in Rewardheat.

Mijnwater - Roadmap

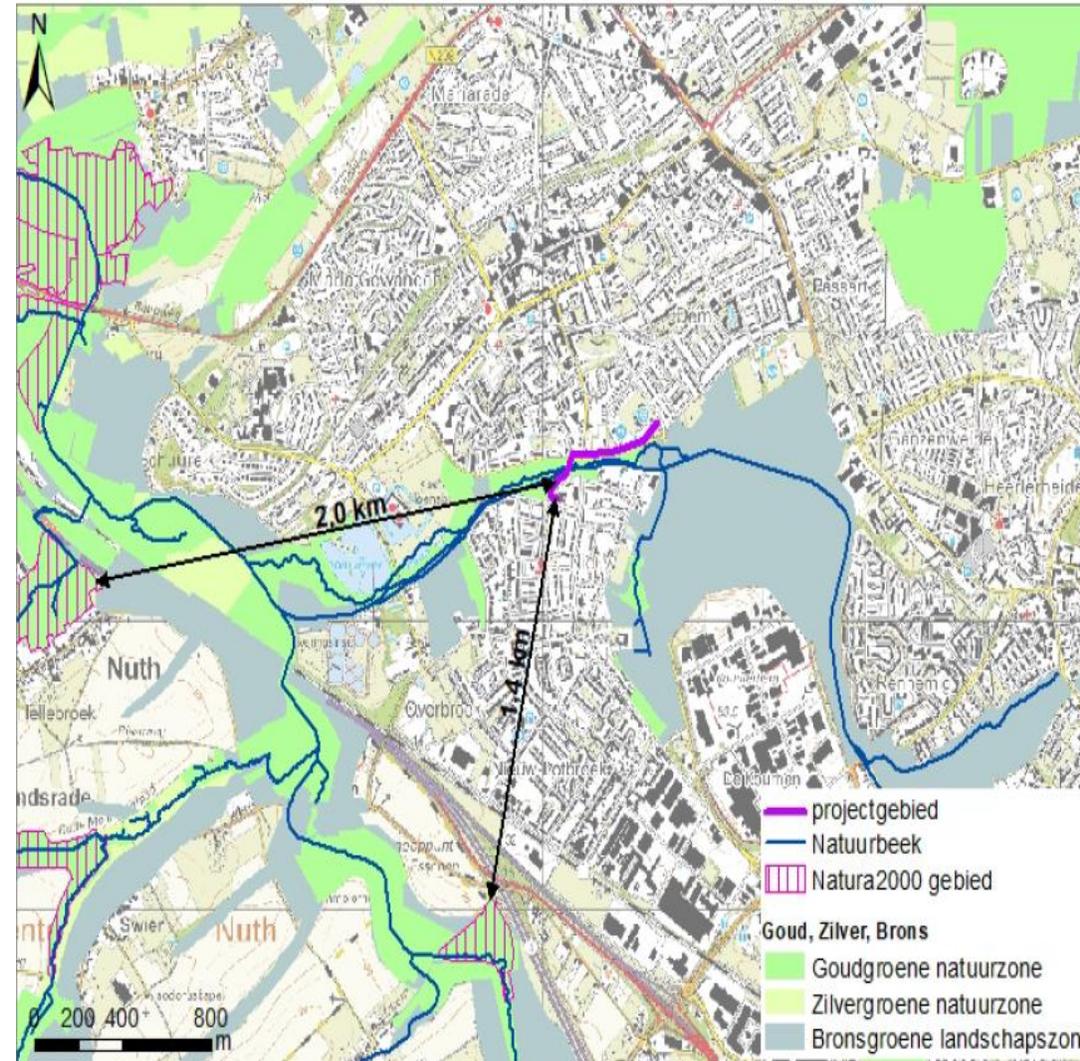
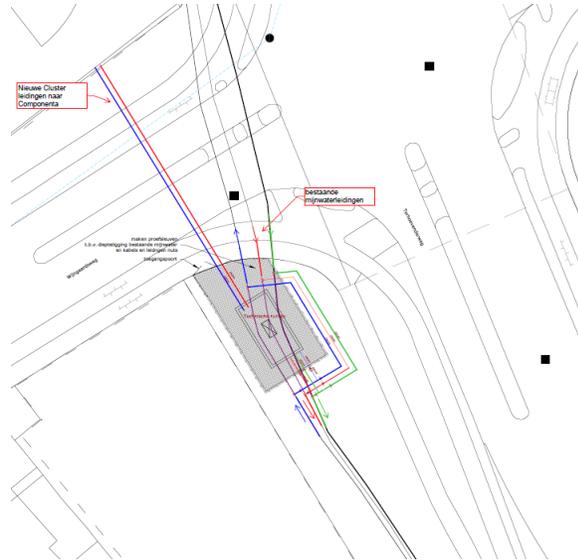


Construction

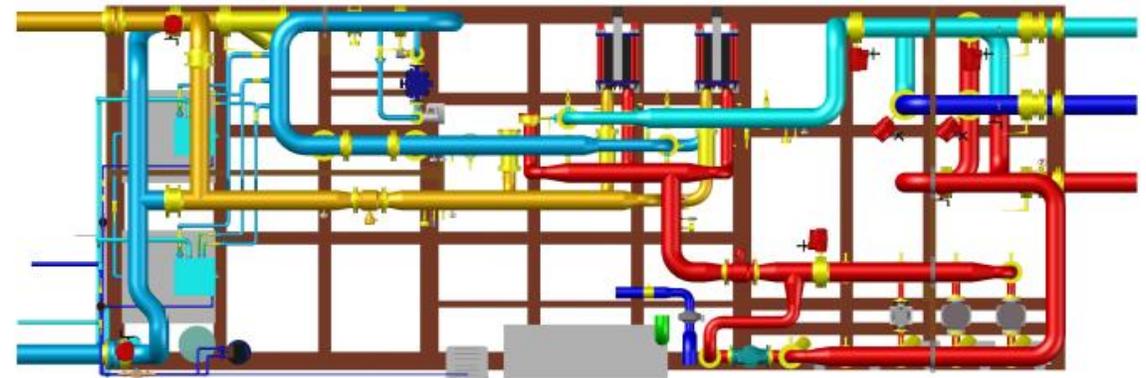
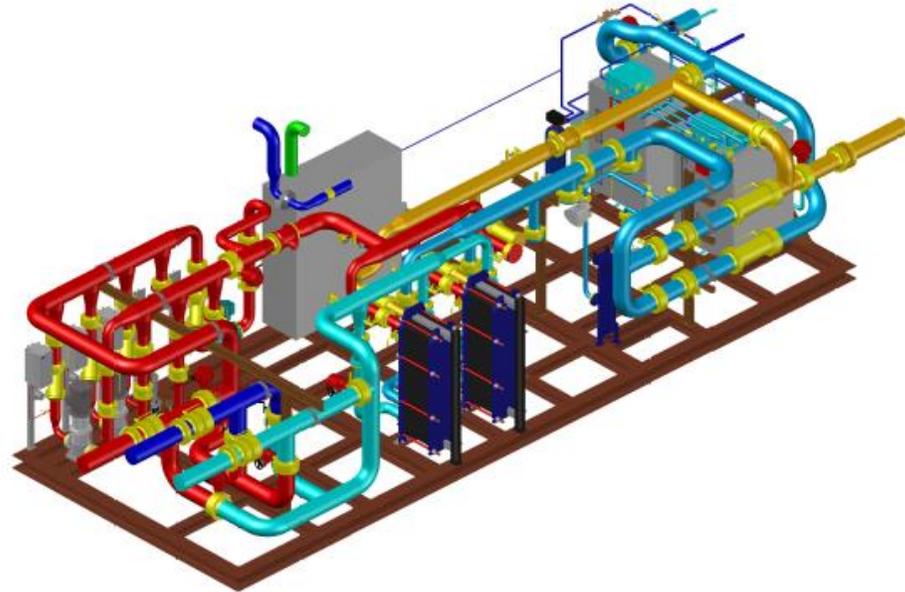
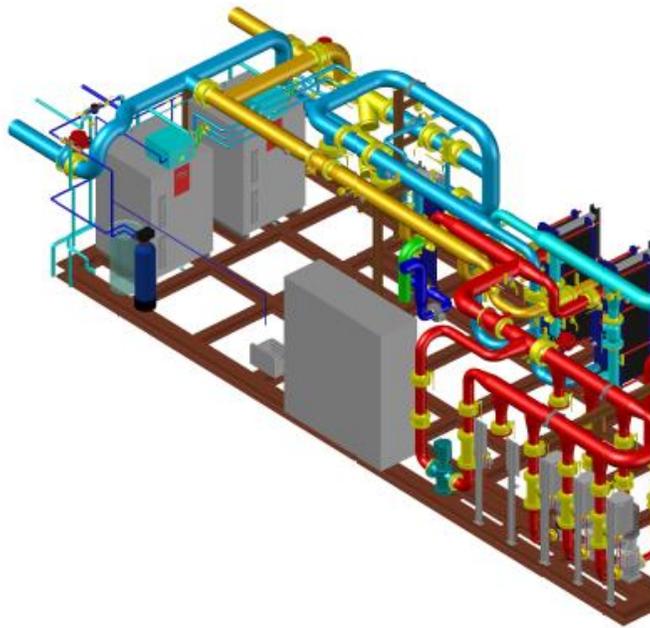
VDL-Componenta – Cluster basement



Study



Detailed design cluster basement



Construction

Otterveurdt – BMV



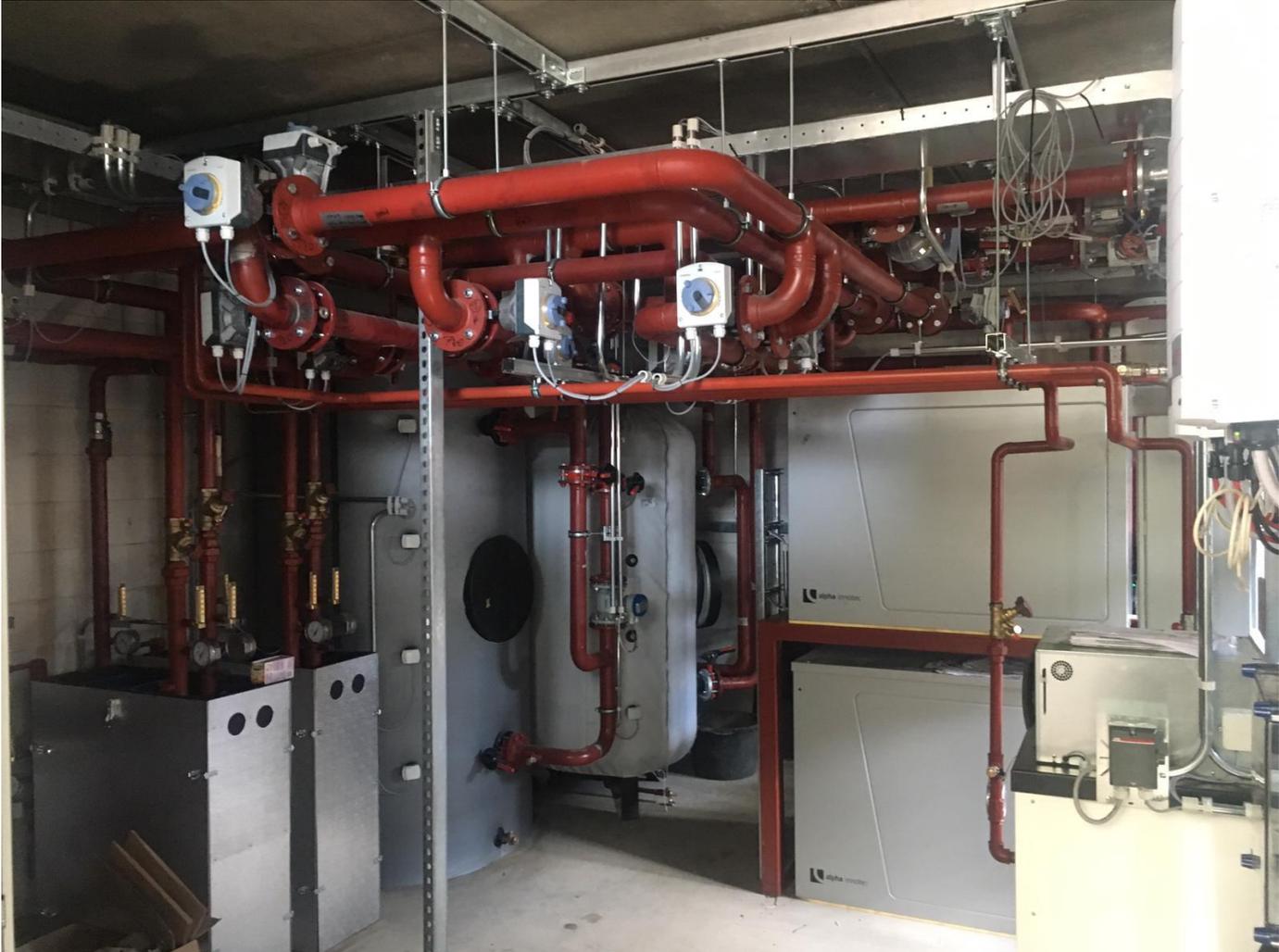
Construction

MFA Hoensbroek



Construction

MFA Hoensbroek

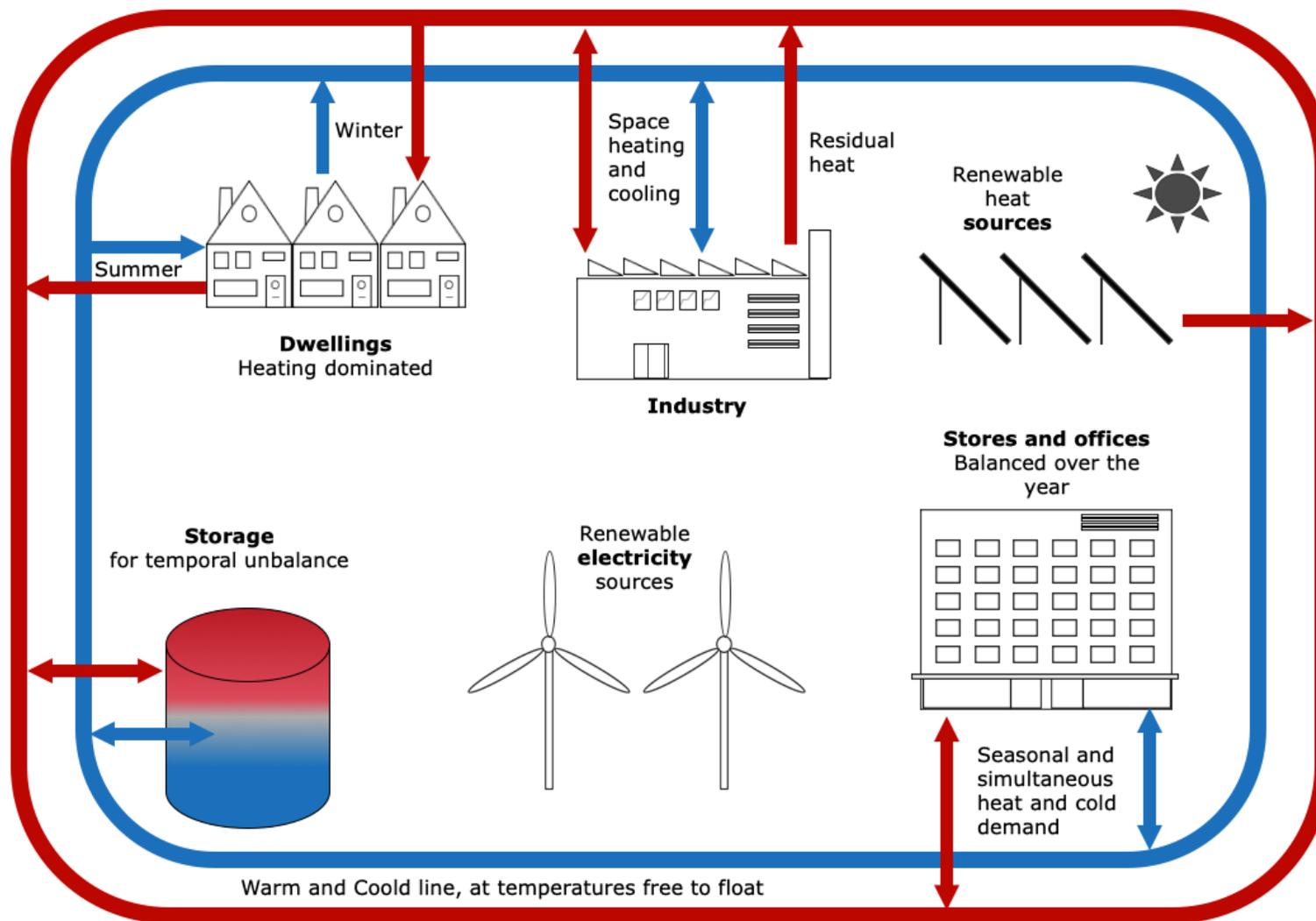


Construction

MFA Hoensbroek



Mijnwater – 5GDHC



5th generation district heating and cooling

Five principles:

- 1. Closing the energy loop;** exchange of energy between end users
- 2. Use low-graded (green) sources** for low-graded demand such as heating of buildings; low graded waste energy can cover three times the need of buildings
- 3. Decentralized demand-driven energy supply;** generate (sustainable) energy only when there is a demand, making use of smart control and data mining
- 4. Integral approach of energy chains;** electricity and heat must reinforce each other and more in general also other environmental aims must be served
- 5. Utilise local sources as much as possible;** first apply all available local energy to feed the regional demand and only if not available employ more distant sources



Of het nu een zeeplafiek is
of een (zeng)sterij, of een datacentrum.



Invitation
Digital Workshop
October 9th 2020



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Thank you for your attention!

**Behaaglijk warm
Aangenaam koel
met Mijnwater**

EU PROJECTEN EN AWARDS



European Geothermal Innovation Award

