



GEOTeCH is co-funded by the European Community **Horizon 2020 Program** for European Research and Technological Development (2014-2020) and has received research funding from the **European Union**

# GEOTeCH



UNIVERSIDAD  
POLITECNICA  
DE VALENCIA



UNIVERSITÀ  
DEGLI STUDI  
DI PADOVA



UNIVERSITY OF LEEDS

## CALL H2020-LCE-2014-2

*Project duration 4 years (2015-2019)*

*Project budget € 9.025.000*

*Project grant € 7.100.000*



# Geotech Consortium



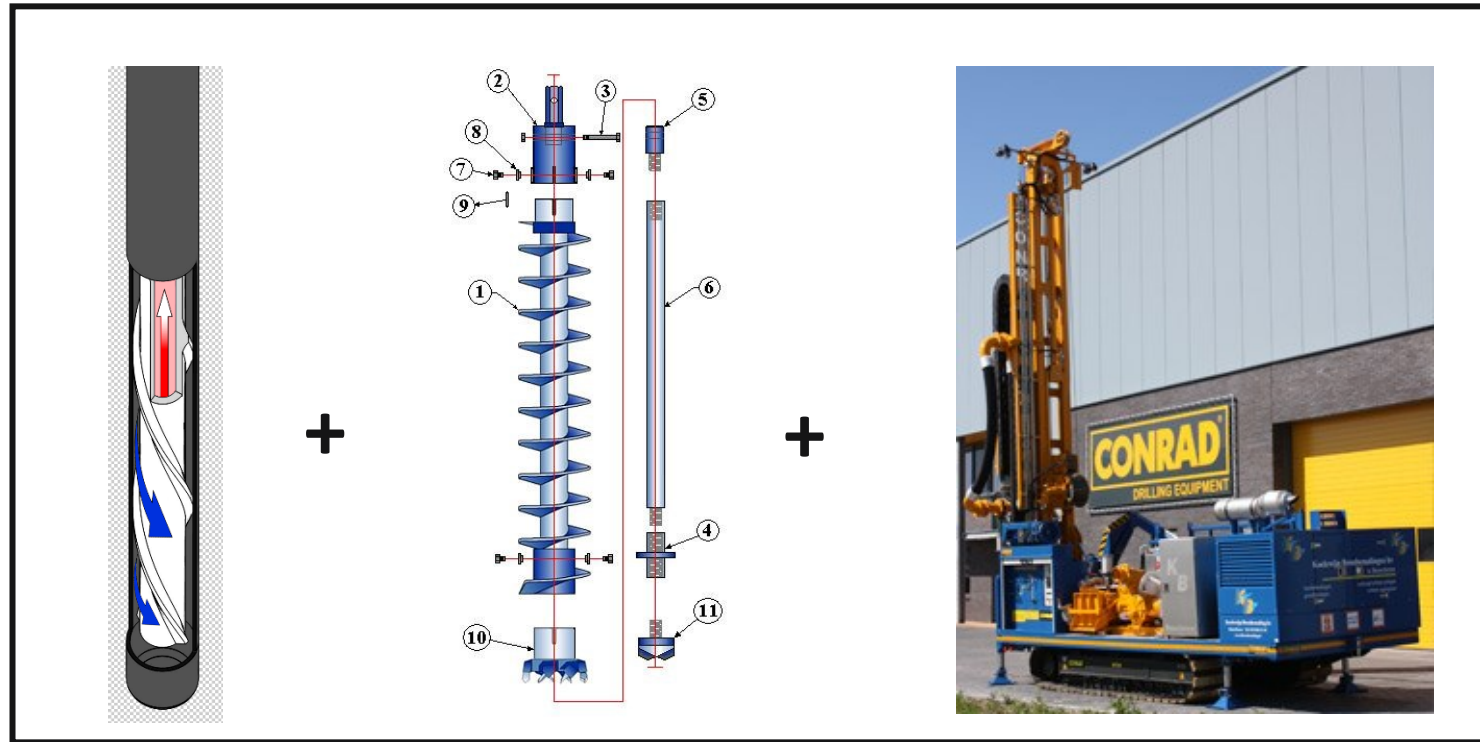
- Successful merger of two consortia
- Total of 8 Work Packages (WP)
- 3 general & 4 specific and 1 demo site WP's
- Proposal preparation 1 man month per participant
- Proposal coordination essential



# Geotech project objectives

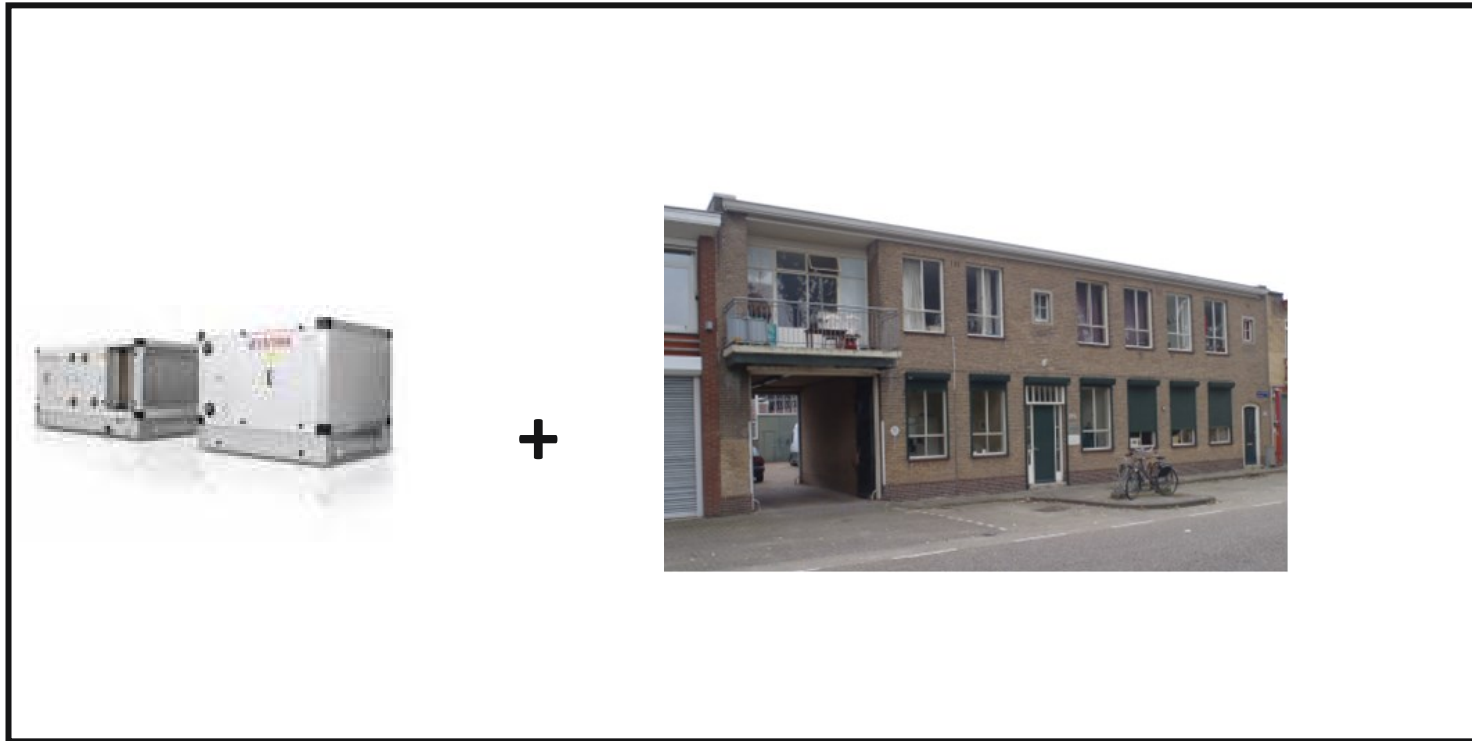


- Develop high production hollow auger based dry drilling technology, that requires no water/mud infra-structure and handling/disposal on site.
- Improve production & working conditions and reduce environmental risk and use of clean water
- A new high efficiency (thermal & hydraulic) concentric ground heat exchanger.
- The development of a dual source heat pump allowing use of both air and water.
- Thermal use of building/foundation structure





# Dual source HP + Demo sites





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# Thank you for your attention!



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