

# Decarbonizing a heating system in a villa in Zurich



**When the owners of a historic villa in Zurich decided to replace the villa's oil-fired heating system with a new brine/water heat pump, we assisted them by sketching a layout of the new system's main components, simulating the arrangement of the geothermal probes, drafting the technical specifications, and selecting a suitable subcontractor to complete the installation. We also drafted the applications to obtain a building permit and state subsidies before overseeing new system's installation as per the specified quality.**

## Our services

- Consultation for the selection of a new heating/hot (drinking) water system
- Drafting a layout of the brine/water heat pump's main components, including a simulation of geothermal probe installation
- Execution of a call to tender (drafting of specifications, comparison of bids, and final negotiations)
- Drafting of applications for a building permit and state subsidies
- Oversight and coordination of insulation work in basement and attic
- Oversight of system installation to ensure the specified quality

## Client

Condominium Ownership Association  
Freiestrasse 135, 8032 Zurich

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## Facts

Period 2020 - 2021

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Project Country Switzerland

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## Contact persons

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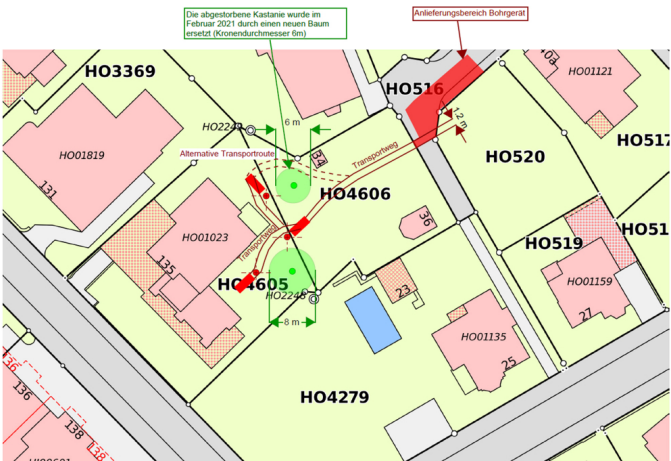




New brine/water heat pump to meet the historic villa's heating needs



Drilling of geothermal probes completed in garden



Coordination with Green City Zurich, designation of gardens deserving of protection