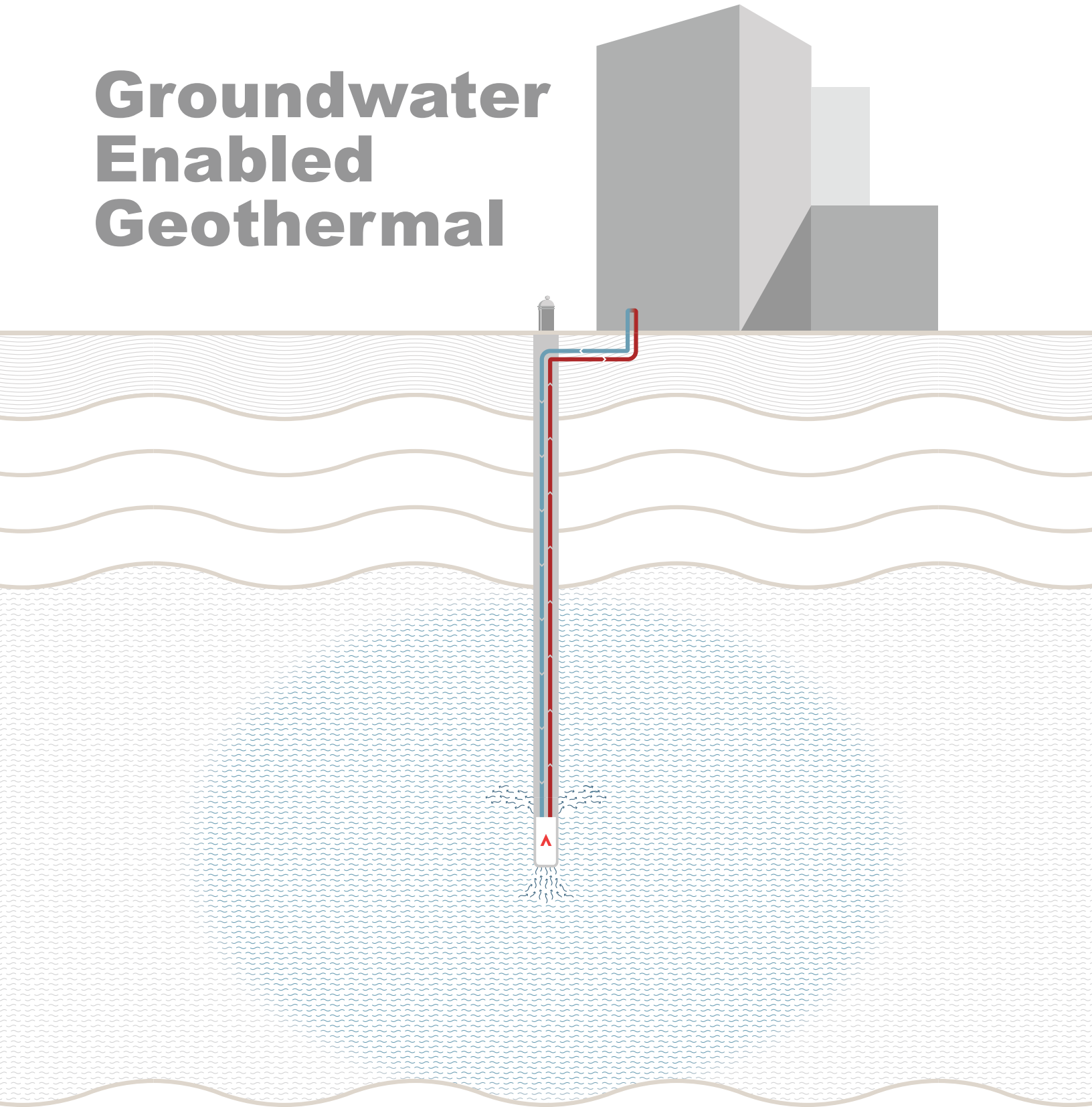


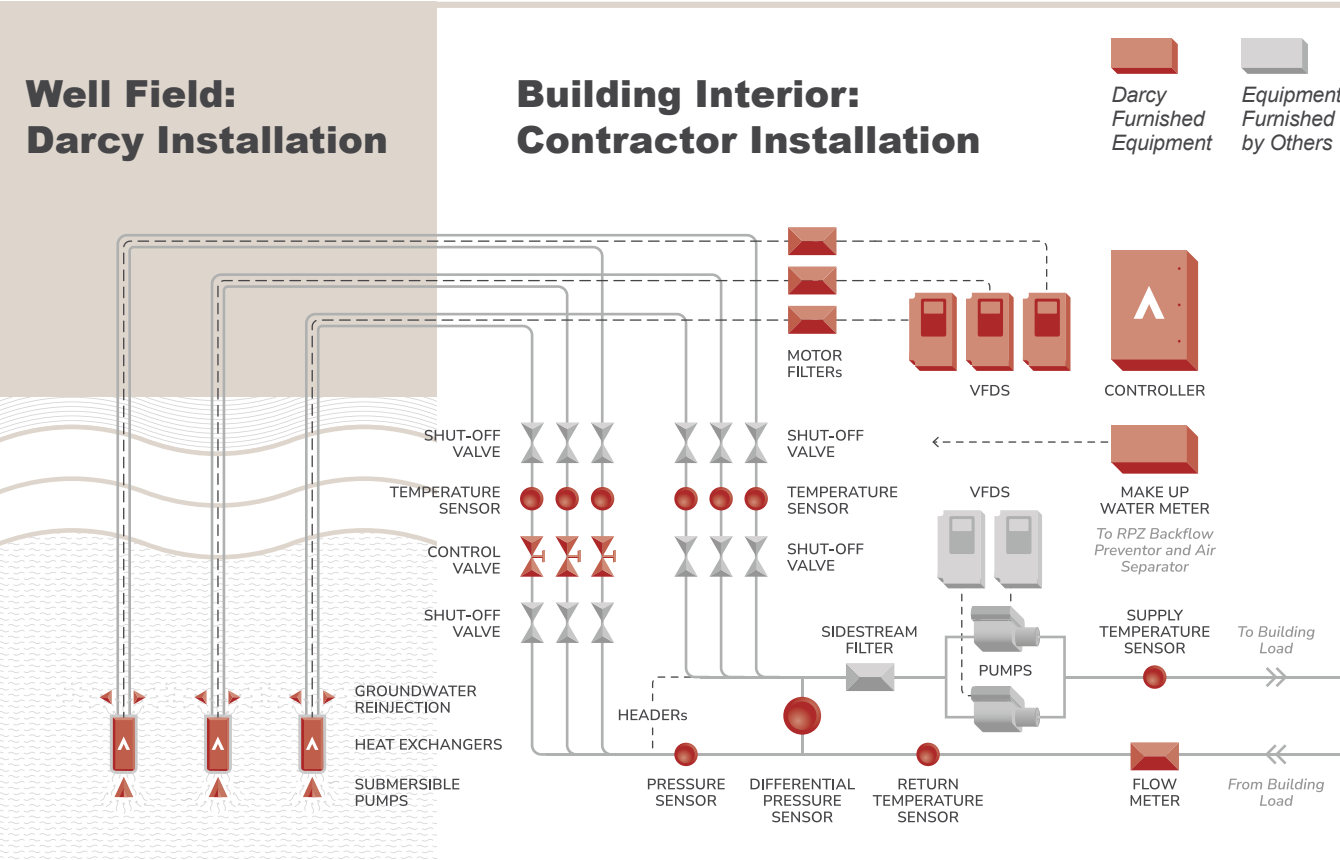
Groundwater Enabled Geothermal



DARCY HEAT EXCHANGE TECHNOLOGIES	8" DS007	12" DS007	8" DS008	12" DS008
Heating MBH	410	770	580	1200
Cooling Tons	95	136	136	230

Heat exchange capacities shown reflect optimal laboratory testing of equipment and expected maximum productivity from geologic conditions of a project site.

Capacity for each system is subject to geologic conditions. Project specific Performance Selections for capacity can be provided by Darcy Solutions during project development.



DARCY INSTALLATION SCOPE:

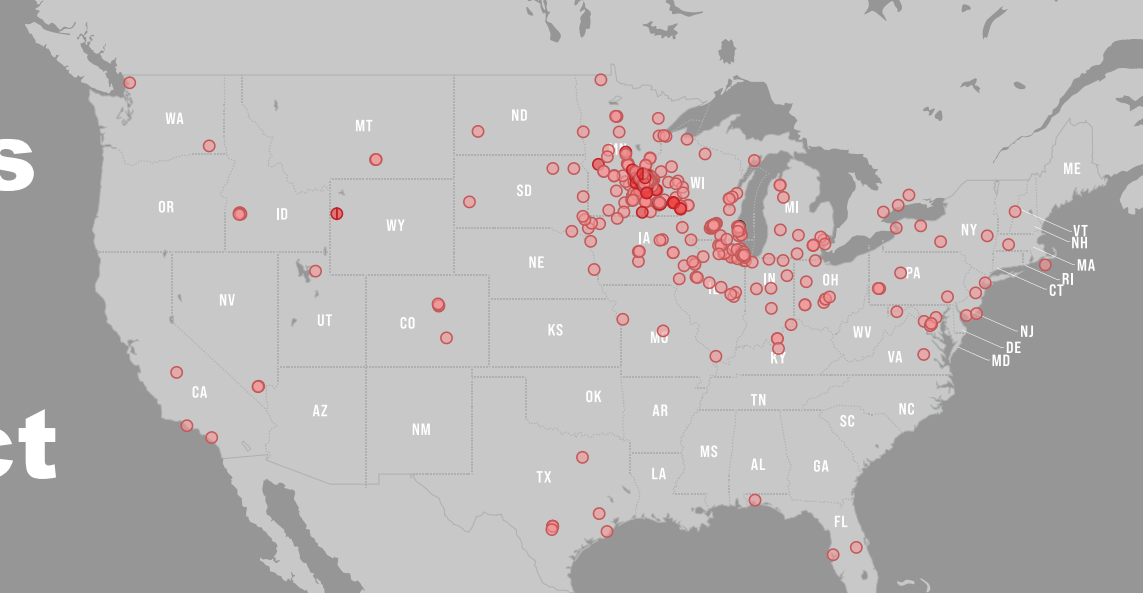
- Well construction and development
- Down well equipment (HX, submersible pump, sensors)
- Lateral piping and conduit terminated two feet inside building wall
- Commissioning of wells and controller

MECHANICAL / ELECTRICAL / TEMPERATURE CONTROLS CONTRACTOR INSTALLATION SCOPE:

- VFDs for submersible pumps
- Low voltage and line voltage wiring from wellhead to building equipment
- Darcy controller for pumps, valves, and sensors
- Sleeves and core drilling or floor cutting for all Darcy system lateral piping and conduit to enter the building



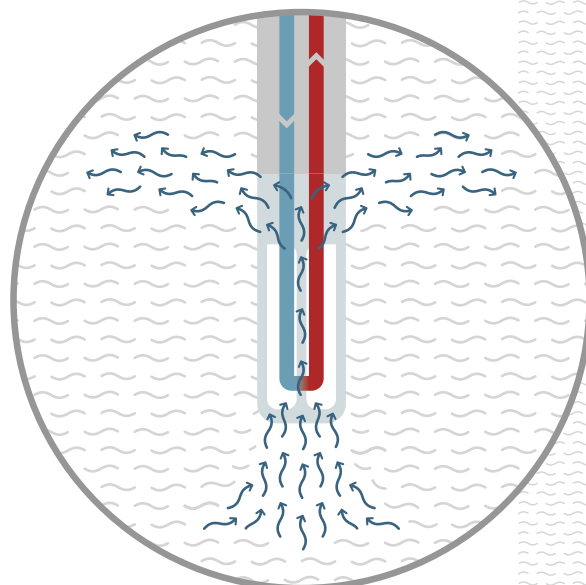
# 50 Projects Built & Under Contract



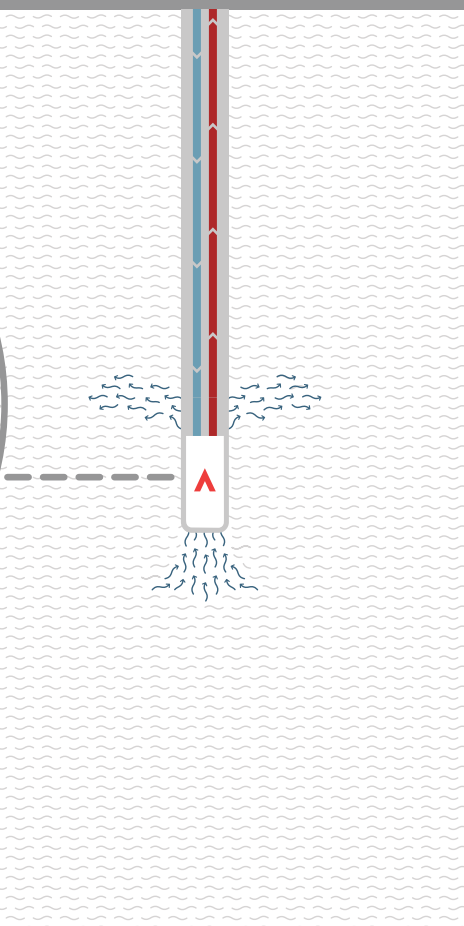
Darcy Solutions invented and pioneered the application of groundwater enabled geothermal using our proprietary system which produces **over 100x the thermal energy of other technologies.**

Advective thermal transfer harnesses the exponential thermal mass available from aquifers beneath project sites to allow **geothermal systems in places never considered before.**

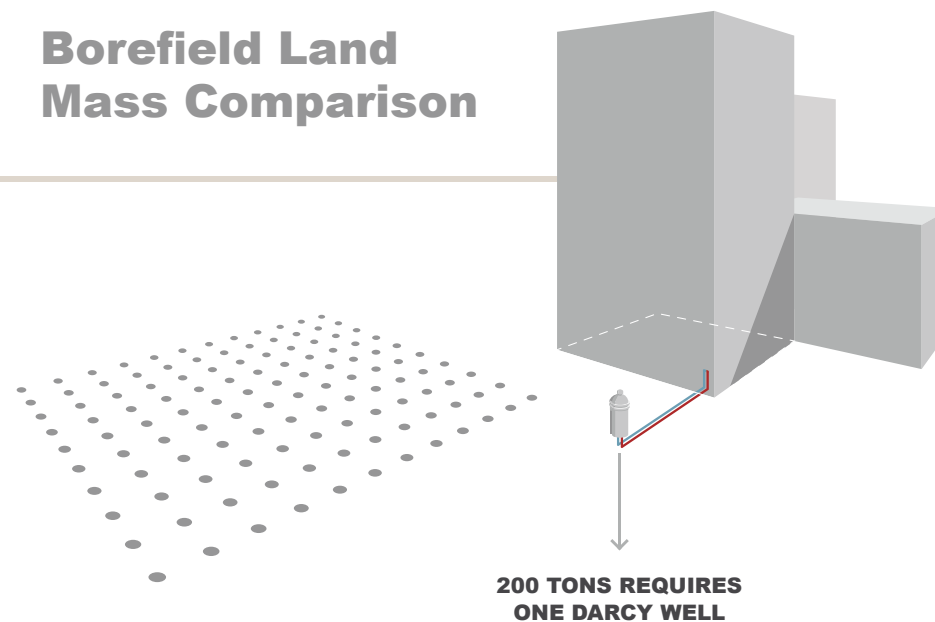
Darcy is comprised of geologists, engineers, and construction professionals that can assess, hydrologically model, design and deliver your project.



**ADVECTION BASED  
GROUNDWATER THERMAL TRANSFER**  
*using proprietary Darcy technology*



## Borefield Land Mass Comparison



**200 TONS REQUIRES  
ONE DARCY WELL**

Groundwater enabled geothermal uses a closed loop to provide heating and cooling to applied equipment for distribution in the building, most commonly a central heat pump system. **Each well is incredibly powerful, capable of producing up to 2,800 MBH of cooling and 1,350 MBH of heating.**

The technology is built to last 50-100 years while requiring minimal annual maintenance. Geothermal systems are also eligible for **up to 50% tax credit or direct payment from the Investment Tax Credit** on the entirety of the equipment and installation costs.



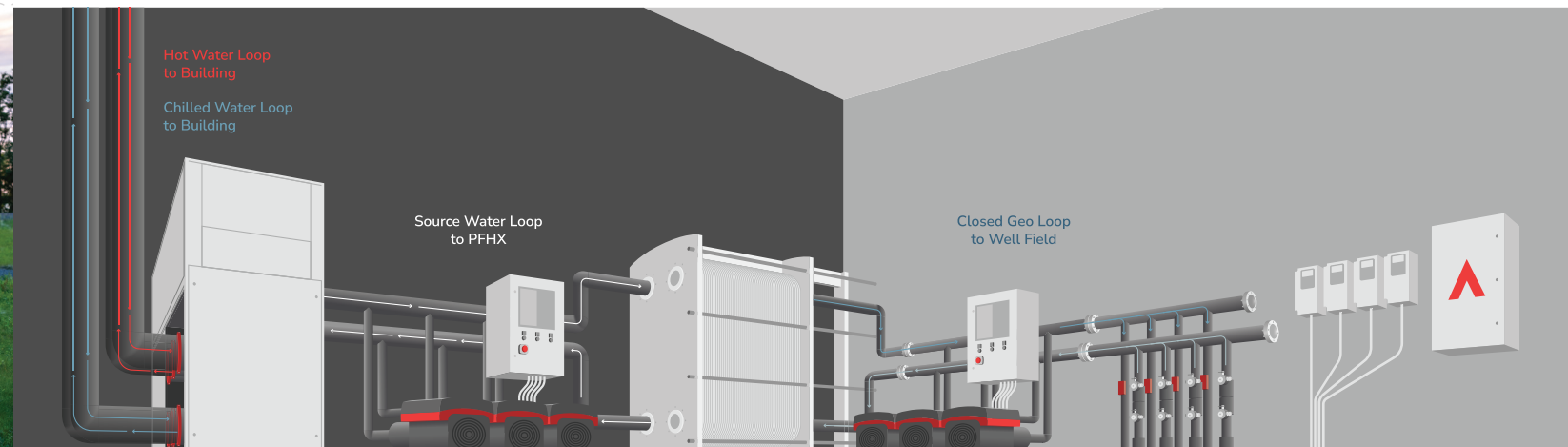
**4 WELL SYSTEM**  
*St. Paul MN*



**1 WELL SYSTEM**  
*Golden Valley MN*



**3 WELL SYSTEM**  
*Waconia MN*



**CENTRAL WATER TO  
WATER HEAT PUMP**

**HYDRONIC  
PUMP**

**HEAT  
EXCHANGER**

**HYDRONIC  
PUMP**

**MANIFOLD**

**VFDs**

**CONTROLLER**