

## Geothermal Heat Pump

Geothermal HVAC and power systems use earth's temperature for heat exchange. While temperature variation occurs in atmosphere, temperatures underground remain constant. In a geothermal HVAC system, an electrically powered heat pump cycles fluid, usually water or refrigerant, through long loops of underground pipes. It is through this process that heat is transferred from ambient air in the building to the ground and vice versa.



### APPLICATIONS

- Space heating and cooling
- Water heating and cooling
- Industrial processes

