

WHAT IS GEOTHERMAL?

GEOTHERMAL IS HEAT (THERMAL) DERIVED FROM THE EARTH (GEO).

THERMAL ENERGY CONTAINED IN THE ROCK AND LIQUID OF THE EARTH'S CRUST

INSTALLATION

CONSTRUCT A WELL FIELD

DO NOT NEED A BOILER, COOLING TOWER OR LARGE MECHANICAL ROOM.

LIFE CYCLE ENERGY SAVINGS PAYS BACK THE INITIAL COST OF THE WELL FIELD.

ADVANTAGES

SIGNIFICANTLY LOWER UTILITY COSTS

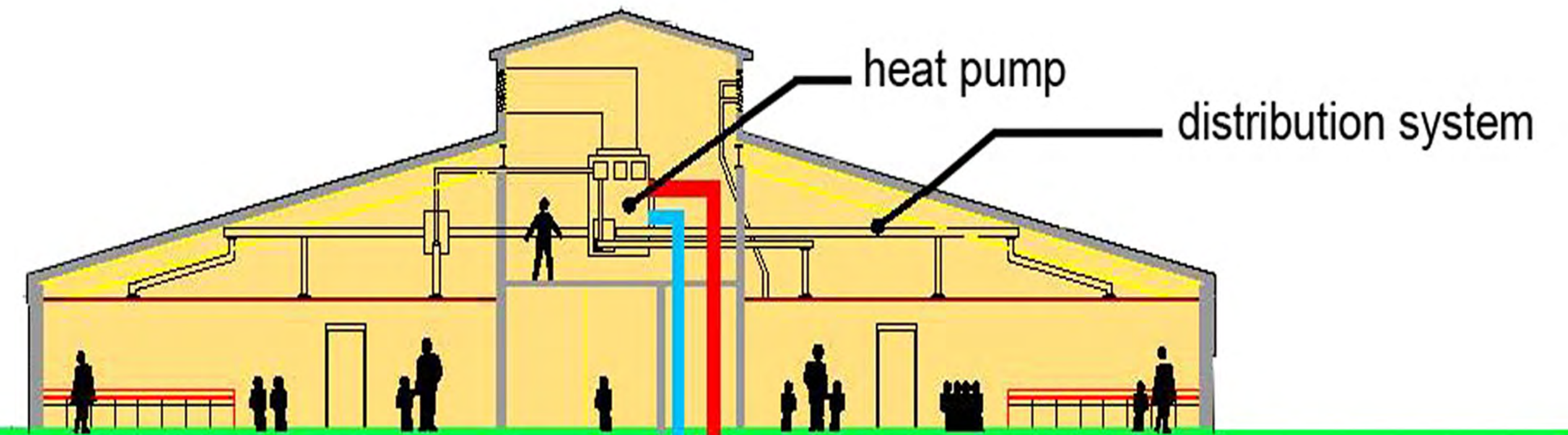
NO VISIBLE EXTERIOR EQUIPMENT

LESS INTERIOR EQUIPMENT SPACE NEEDED

NO WEATHER DAMAGE

ENVIRONMENTALLY FRIENDLY

NO USE OF FOSSIL FUELS, THEREFORE NO COMBUSTION



How does the Geothermal work?

Ground source heat pumps use the earth or groundwater as a heat source in winter and as a heat sink in summer. The heat pump, a device which moves heat from one place to another transfers heat from the soil to the building in the winter and from the building to the soil in the summer.

underground heat exchanger

GEOTHERMAL DIAGRAM

C O N S T R U C T I N G O U R W E L L



GEOTHERMAL WELL INSTALLATION IN PROGRESS

