





A small proportion of the foundation piles required for static reasons are sufficient to cover the desired heating and cooling capacity without any problem.

Aldi DISTRIBUTION LAGER DOMDIDIER, SCHWEIZ

ENERCRET

SOLUTION

The Aldi distribution center in Domdidier is replaced by a from ENECRET 2007 energy completed

Pile plant heated and cooled.

COOLING CAPACITY	400 kW
HEATING CAPACITY	640 kW
EFFECTS/YEAR	880 MWh
HEAT/YEAR	1536 MWh

PRODUCT

The building with a floor area of 62,500 m² rests on more than 5,800 foundation piles. 378 of these piles with a length of 35 meters were designed as energy piles. ENERCET carried out the planning, simulation and assembly of the geothermal system. The special challenge was to fill 35-meter-long reinforcing baskets and to install them under great time pressure and in one piece.

TOOLS

53,000 meters of HDPE pipes were used in 378 energy

Installed with a diameter of 45cm and a length of 35 meters. A further 57,000 meters of HDPE pipes had to be laid as supply lines to the tend distribution locations due to the size of the floor slab.

HAMMER-TRITTHART & PARTNER
PLANNING-GE SMBH, INNSBRUCK (A)

HOUSE TECHNIC PLANNING
ATP ACHAMMER-TRITTHART & PARTNER
PLANUNGS-GESMBH, INN SBRUCK (A)