



New logistics hall
International Committee of
the Red Cross (CICR)
Satigny, Geneva

Object report

Construction site:

New Logistic hall of the International Committee of the Red Cross (CICR)
CH-1242 Satigny GE

Building owner:

Comité international de la Croix-Rouge
Avenue de la paix 19
CH-1201 Genève

Planning:

Group8 Architectes associés
Rue Boissonnas 20
CH-1227 Les Acacias GE
www.group8.ch

Drilling work of the piles:

Implenia Construction SA
Travaux spéciaux
Chemin de l'Echo 1
CH-1213 Onex GE
www.implenia-bau.com

Installation of the geothermal pile probes:

Augsburger Forages
Route d'Yvonand 2
CH-1522 Lucens VD
www.augsburgerforages.ch

Product used:

435 units of HakaGerodur
GEROthem® geothermal pile probes
L=20m / PE 100-RC
DE 2*32 mm
www.hakagerodur.ch

A new logistics hall is being built in the Geneva suburb of Satigny. Due to the geology at the site, the base plate of the logistics hall will be supported by a total of 149 drilled-in piles that will be set into the earth at depths of 19–24 m.

The planning group Group8 Architectes associés, from Geneva, was commissioned for the planning of the project, with a value amounting to around CHF 31 million. In order to save resources, a total of 144 drilled-in piles as energy piles are planned for the heating and cooling of the building..

465 pile probes made from PE100 RC SDR11 2x32 single-U in straight fixed lengths of 20 m were produced in HakaGerodur's production factory in Benken, St.Gallen. Due to the 20 m length of the HakaGerodur GEROthem® geothermal pile probe that were used, a special transport directly from the production factory to the construction site in Satigny was necessary.

The pile armouring of the drillin piles has three different diameters: 600 mm, 800 mm and 1000 mm. Each pile armouring has been fitted with 3 or 4 PE100 RC SDR11 single-U 2x32 pile probes on-site by the Augsburg Forages company.

The complete construction of the 144 energy piles required a construction period of several weeks..



Special transport for the 20m GEROthem® geothermal pile probes



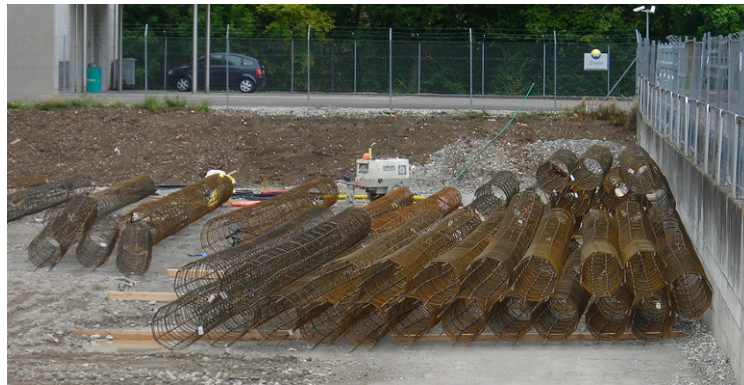
Unloading the GEROthem® geothermal pile probes on the construction site



Drilling rig for the production of the energy piles



Installed energy piles



Prepared pile armouring on the construction site



Every GEROtherm® geothermal pile probe has a factory test certificate



Pile armouring with fixed geothermal probes



The fixed HakaGerodur GEROtherm® geothermal pile probes



Special transporter for 20 m geothermal pile probes



Back-filling the first energy pile



Unloaded, fixed HakaGerodur GEROtherm® geothermal pile probes on the construction site