

Mobile Geothermal Plant (MGTP) - module HF

Module HF - Heat exchangers & LT Filter

1. Heat exchangers are used to extract heat from the geowater. The capacity of each heat exchanger is 10 MW. The heat exchanger section is designed for a total flow of 2 x 380 m³/h. The following temperatures can be expected in both networks.

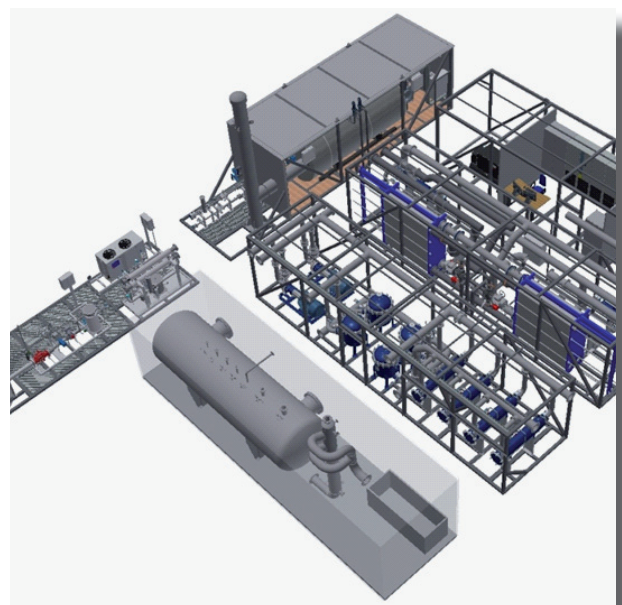
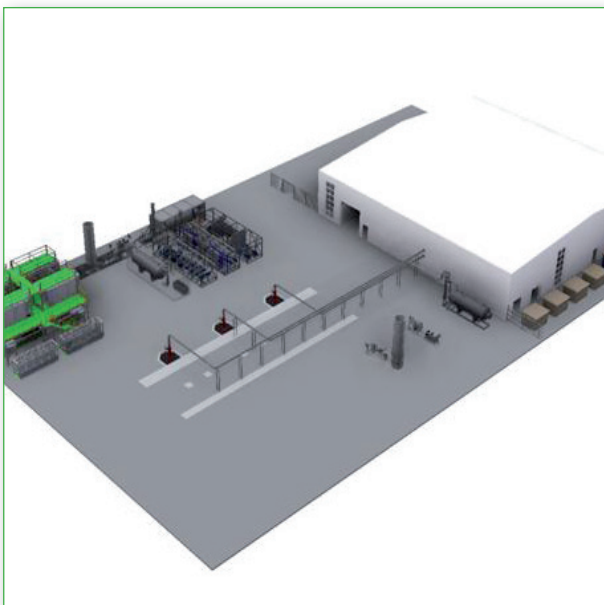
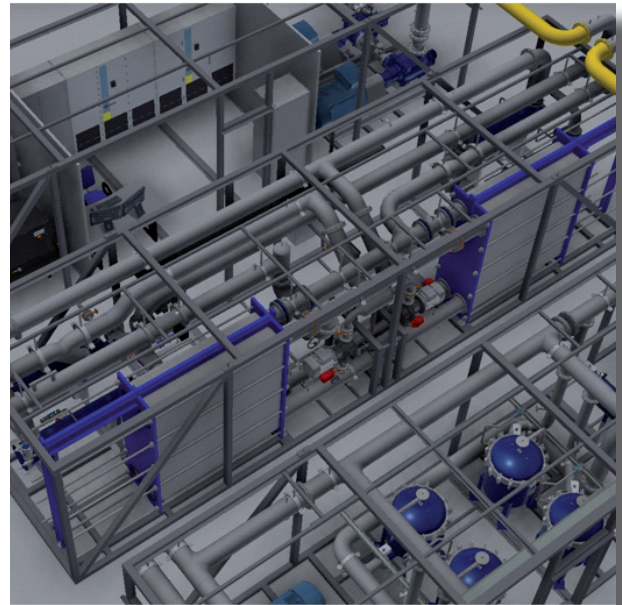
Temperature geowater: 90 – 35 °C

Temperature network: 33 – 88 °C

2. LT filter section (2x2x50%)

When cooling the geowater, it is possible that solid particles are formed. To prevent particles from entering the injection source, the geowater is filtered. Filtering is done by means of filter elements. These are available in 1, 5 and 10 µm. These are automatically exchanged when they are completely soiled. Each filter is designed for 190 Nm³/h. The section is designed for 380 m³/h.

Heat production is measured by compatible energy meters.



The MGTP (Mobile Geothermal Plant) is designed by GtS and built, based on many years of operational experience. It is a temporary geothermal installation consisting of six modules and can be deployed immediately after the production and injection wells have been drilled.

The MGTP can perform extensive well testing. The mobile installation can also immediately produce heat as soon as the first geothermal water is pumped to the surface. This allows the entire geothermal project to be shortened by six months and the specifications of the final installation can be determined more accurately.

Advantages of the MGTP are:

- no separate well tests required
- meteen productie van warmte, schoon water en geogas
- immediate production of heat, clean water and geogas
- no unnecessary loss of energy
- shorten geothermal project
- nauwkeuriger te bepalen specificaties definitieve installatie
- final installation specifications to be determined more precisely

The modules can also be used separately.

