

Geothermal heating plant Trias Westland



PROJECT

Trias Westland

CLIENT

Trias Westland BV

PERIOD

January 2016 – May 2016

LOCATION

The Netherlands

PROJECT VOLUME

approx. 20.000.000 EUR

SERVICES

Basic Engineering /
Tendering

BUSINESS UNIT

gec-co Plant & Equipment

CONTACT

Dipl. Ing. SFI Ulrich Martin
+49 821 / 5699 300-38
ulrich.martin@gec-co.de

Project description:

The wells of Trias Westland are a unique geothermal project. Never before, there have been boreholes with a depth of more than 4 km in the Netherlands to produce geothermal heat. Because of many wells from Oil & Gas industry, there is a lot of geologic data available. The temperature of the reservoir at the target horizon is estimated with about 140 °C.

The execution of the exploration wells is supported by a comprehensive R&D program that provides a wide picture of the geothermal reservoir downhole at the formation of Trias and the Early Cretaceous.

Based on the broad knowledge and experience regarding the reservoir engineering at high temperatures, gec-co Global Engineering & Consulting - Company GmbH executed the Basic Engineering of the project. Furthermore, gec-co delivered the technical tender documents.

For plant construction, AutoCAD Plant 3D was used. The whole P&ID as well as the 3D modelling and the production drawings (pipeline isometrics) were designed with the help of this integrated software solution. In addition, gec-co was responsible for the planning of control and electrical engineering including Cause & Effect lists and part lists.

