

Thermo-Hydraulic Simulation Completed

Q-con has successfully completed numerical simulations of thermo-hydraulic interferences caused by a geothermal facility in the Bavarian Molasse Basin.

A structural model, based on interpreted 3-D seismic data, was set up and transformed into a numerical model, utilizing the flexible interface for data import of Q-con's in-house modelling software. Simulating the coupled thermo-hydraulic processes of fluid-circulation and heat-extraction yields the spatio-temporal evolution of the pressure- and cooling-fronts. The simulation results provide the basis for the evaluation of the impact on adjacent geothermal license fields as stipulated by competent authorities.

