



KARAH A STEAMFIELD DESIGN (Fluid Collection and Reinjection System)

Hawkins / BCK Singapore Ltd

Project:

30MW Geothermal Power Plant.

MTL Role:

MTL was the steamfield (FCRS) detailed designer for the EPC contract to build the 30MW Karaha Power Plant. The development is located in the West Java Province, Indonesia, and is being constructed for operator Pertamina Geothermal Energy (PGE) using existing and new wells.

The steamfield consists of 22km of cross-country piping on steep mountainous terrain, along with four production wellpads (clusters), three of which included separation plants and pump stations. The steep terrain posed many challenges for both the process, mechanical and civil design.

Project Outcome:

MTL worked closely with the constructors to produce an optimised design for the difficult topography. The design was successfully delivered and construction phase is currently underway.

Project Partners:

Hawkins / BCK, McMahon Electrical, Beta.

