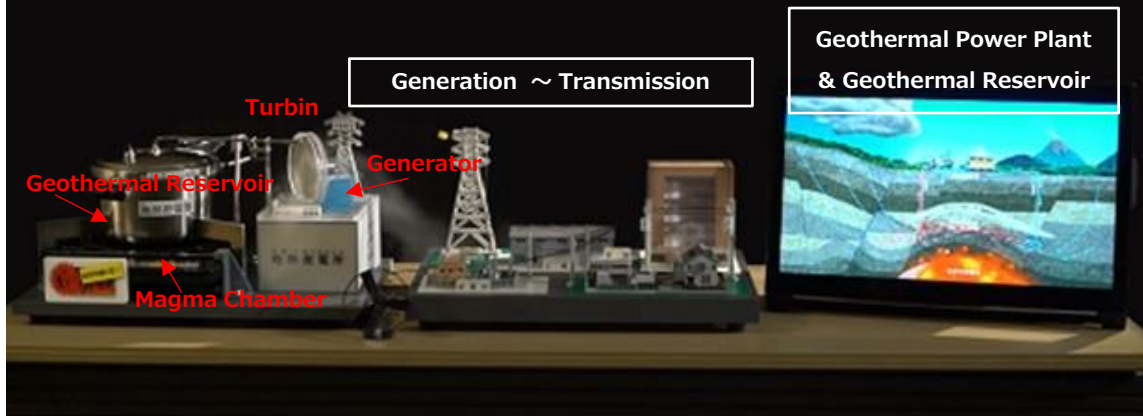


## How Geothermal Power Generation Plant Works



**3 Key Factors of Geothermal Power Generation :** **Heat** (Emitting from Magma Chamber), **Water** (Hot water/steam to convey the heat) and **Cover Layer** (Fractures and Caprock to hold the hot water/steam with high pressure)

**Geothermal Power Generation System :** The water from rainfall seeps into the ground over a long time. The heat emitted from the magma is transferred to the water. Such hot high pressure water exists in the fractures quite deep under the ground. That is called Geothermal Reservoir. Then a deep well is drilled as deep as about 2,000m below to reach the reservoir, the hot steam is brought to the surface to drive a turbine and a linked generator to produce electricity.