

The Role of Geothermal Energy in Developing of Sustainable Architecture

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Abstract

The convenient and easy access to the energy is the key to the growth and development of a country. The government's planning and decisions in this area have direct effects on individual and social life. Geothermal energy is caused by the heat of lava and degradation of radioactive materials which are dense on earthquake-prone areas, young volcanoes and tectonic plates. Since Iran has a very high potential in geothermal energy in buildings, we can take advantage of this energy for improving the sustainability of buildings. This article aims to investigate alternative energies like geothermal energy, their functions and influence on sustainability of buildings.

Keywords: *Alternative energies, Geothermal, sustainable development, sustainable architecture.*