

# Geothermal Development

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Created **2010-01-18 16:04**

## Experience in all Aspects of Geothermal Development

As today's only vertically integrated company, Ormat's knowledge and experience extends to all aspects of the geothermal project development process: from seeking and obtaining land to funding, lease purchasing, permitting, PPA negotiations, negotiation of interconnection agreements, exploration, drilling, development and operation of geothermal power plants.

This extensive in-house knowledge gained over three decades of power plant operations and development, gives Ormat its competitive edge and enables efficient maintenance and timely response to operational issues.

Ormat's worldwide land position stands at approximately 510,000 acres. Of this, 334,000 acres have various leases and concessions for geothermal resources of approximately 32 sites. These sites have either entered the exploration stage or are planned to be explored. Ormat also has an option to enter into geothermal leases covering approximately 264,000 acres of land in Oregon and Washington.

As part of our vertically integrated approach, Ormat established Geodrill, a drilling company wholly owned by Ormat Nevada, Inc. Geodrill currently owns six drilling rigs capable depth of up to 18,000 feet. We employ an experienced resource group including geologists, drilling engineers and reservoir engineers. The team executes exploration and drilling plans for projects that we develop including supporting Ormat growth activity, enhancement or expansions in power plant capacity.

We put great effort into the exploration and identification of new geothermal resources. Ormat carries out field tests followed by exploratory drilling to validate and quantify the size and potential of the geothermal resource, thus reducing the risk involved in every geothermal project. ORMAT is engaged in the largest effort undertaken by a single company to categorize, map, sample and drill greenfield prospects in the USA within the last 20 years.

A key component to the success of project development is a proven track record.

Our first-hand knowledge of the equipment that we use allows us to operate and maintain our power plants efficiently and to respond to operational issues in a timely and cost-efficient manner. Being a vertically-integrated company experienced in all aspects of geothermal projects, we are able to quickly and cost effectively identify and repair mechanical issues and to have timely access to technical assistance and replacement parts.

Today, Ormat owns and operates over 553 MW in power plants it had supplied. Overall Ormat has supplied 1410 MW in power plants worldwide.



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