

Company Profile

Green Energy You Can Rely On

Ormat Technologies, Inc. (NYSE: ORA) is a world leader in the geothermal power plant sector. As a geothermal company we have over four decades of experience in the development of state-of-the-art, environmentally sound power solutions, primarily in geothermal and recovered energy generation. In addition to designing, developing, building, owning and operating geothermal energy and recovered energy-based power plants in the United States and other countries, Ormat also designs, manufactures and sells power units and other power generating equipment for geothermal power plants and recovered energy-based electricity generation.

Ormat is today's only vertically-integrated provider of geothermal and recovered energy-based equipment, services and power that designs, develops, builds and manufactures most of the equipment used in its plants. The in-depth knowledge gained from these operations gives us a competitive edge by enabling efficient maintenance and timely response to operational issues.

State-of-the-Art Technology: The ORMAT® ENERGY CONVERTER (OEC)

Ormat's geothermal power plants and other products are based on the [ORMAT® ENERGY CONVERTER \(OEC\)](#).^[1] With over 80 patents world-wide, the OEC is a state-of-the-art implementation of [Organic Rankine Cycle](#)^[2] technology that we have refined and perfected through years of use under the most challenging conditions.

Ormat's technology involves original designs of turbines, pumps and heat exchangers, as well as the formulation of non-ozone depleting organic motive fluids. We also construct combined cycle geothermal power plants in which the steam first produces power in a backpressure steam turbine and is subsequently condensed in the vaporizer of a bottoming organic vapor turbo generator, which produces additional power. In the conversion of environmentally friendly geothermal energy into electricity, Ormat's technology has several advantages over conventional geothermal steam turbine plants. In addition, Ormat owns or has the right to use our in-house developed products and systems patents; we are also involved in developing new heat extraction technology.

Empowering the World We Share

Founded in 1965, Ormat is committed to developing green, sustainable energy solutions. Through the development of pioneering technology, we are able to re-inject geothermal heat resources back into the earth, preserving reservoirs for future generations.

Wherever we operate, we are dedicated to working with the community and to supporting local development through job creation, education initiatives, development funds and volunteering. We work hand in hand with schools and institutions of higher learning to promote "Green Energy" education, and lay the ground work for future scientific knowledge.

Ormat's Experienced Team

Ormat was founded and is still managed by pioneers in the geothermal power generation field. Today, Ormat employs over 1000 people worldwide. At cutting-edge research and manufacturing facilities, our engineers research power generation technologies and build and test power plants before deployment. At our geothermal power plants, we train and employ local residents who join the Ormat team.

Poised for Growth

Ormat's current portfolio drives profitable operations and financial stability. Through a combination of organic growth and acquisition of geothermal power plants from third parties, Ormat is well positioned for future growth. We plan to continue building a geographically balanced portfolio of geothermal, recovered energy assets and remote power solutions, while maintaining our position as a leading sustainable energy manufacturer, product innovator and service provider.

[Ormat Technologies Corporate Video 2009](#) [3]

[Geothermal Unique Binary Systems at Work in Kenya](#) [4]



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