

Global Geothermal Power Generation Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

<https://marketpublishers.com/r/G5EE212AD144EN.html>

Date: June 2025

Pages: 121

Price: US\$ 3,480.00 (Single User License)

ID: G5EE212AD144EN

Abstracts

According to our (Global Info Research) latest study, the global Geothermal Power Generation market size was valued at US\$ 29340 million in 2024 and is forecast to a readjusted size of USD 45500 million by 2031 with a CAGR of 6.5% during review period.

Geothermal power, namely geothermal electricity, is electricity generated by geothermal energy. Technologies in use include dry steam power stations, flash steam power stations and binary cycle power stations. Geothermal electricity generation is currently used in 24 countries.

Geothermal power is considered to be a sustainable, renewable source of energy because the heat extraction is small compared with the Earth's heat content. However, it displays features of conventional power generation methods due to high capacity factors and ability to supply base load. Low emissions and non-reliance on fossil fuels are major drivers for the industry. Strong regulatory and policy framework in numerous countries across the world would foster and sustain development in the sector in the long-term. In this report, the use of geothermal energy for power generation purposes are mainly analyzed. In addition, the direct uses of geothermal energy are also introduced in chapter 6.

Global core geothermal power generation manufacturers include Energy Development, Comisi?n Federal de Electricidad etc. The top 3 companies hold a share about 20%. Asia Pacific is the largest market, with a share about 36%, followed by North America and Europe with the share about 30% and 12%.

This report is a detailed and comprehensive analysis for global Geothermal Power Generation market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Geothermal Power Generation market size and forecasts, in consumption value (\$ Million), sales quantity (MW), and average selling prices (USD/MW), 2020-2031

Global Geothermal Power Generation market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (MW), and average selling prices (USD/MW), 2020-2031

Global Geothermal Power Generation market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (MW), and average selling prices (USD/MW), 2020-2031

Global Geothermal Power Generation market shares of main players, shipments in revenue (\$ Million), sales quantity (MW), and ASP (USD/MW), 2020-2025

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Geothermal Power Generation

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Geothermal Power Generation market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Energy Development, Comisi?n Federal de Electricidad, Ormat, Enel Green Power, Calpine, KenGen, Pertamina

Geothermal Energy, Contact Energy, Orkuveita Reykjavíkur, Star Energy Ltd, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Geothermal Power Generation market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Dry Steam Stations

Flash Steam Power Stations

Binary Cycle Stations

Market segment by Application

Residential

Industrial

Others

Major players covered

Energy Development

Comisión Federal de Electricidad

Ormat

Enel Green Power

Calpine

KenGen

Pertamina Geothermal Energy

Contact Energy

Orkuveita Reykjavíkur

Star Energy Ltd

Berkshire Hathaway Energy

Northern California Power Agency

HS Orka

Cyrq Energy

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Geothermal Power Generation product scope, market overview,

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market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Geothermal Power Generation, with price, sales quantity, revenue, and global market share of Geothermal Power Generation from 2020 to 2025.

Chapter 3, the Geothermal Power Generation competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Geothermal Power Generation breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2020 to 2025. and Geothermal Power Generation market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Geothermal Power Generation.

Chapter 14 and 15, to describe Geothermal Power Generation sales channel, distributors, customers, research findings and conclusion.

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