

Middle East Geothermal Energy Market Size, Share & Trends Analysis Report By Technology (Flash Steam, Dry Steam, Binary Cycle Power Plants), By Power (Upto 5 MW, Above 5 MW), By Application, By Country, And Segment Forecasts, 2025 - 2033

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Abstracts

The Middle East geothermal energy market size was valued at USD 239.51 million in 2024 and is projected to reach USD 472.86 million by 2033, growing at a CAGR of 7.7% from 2025 to 2033. Geothermal energy deployment in the region spans utility-scale, commercial & industrial (C&I), and district heating applications, enabling grid-connected and off-grid solutions across diverse sectors.

National strategies such as Saudi Vision 2030, the UAE Energy Strategy 2050, and emerging renewable frameworks in Turkey, Jordan, and Israel catalyze geothermal investments to diversify energy sources, reduce greenhouse gas emissions, and strengthen long-term energy security. Countries across the Gulf Cooperation Council (GCC) and the Levant increasingly leverage geothermal resources to supply electricity, support industrial complexes, provide heating for urban centers, and enhance resilience to rising energy demand and climate-driven challenges.

Growth in the market is driven by the region's untapped geothermal potential, technological advancements, and supportive financing mechanisms, including public-private partnerships (PPPs) and power purchase agreements (PPAs). Utility-scale geothermal plants dominate installations, while pilot and small-scale district heating projects are gaining traction in urban and industrial areas. Hybrid systems integrating geothermal with solar or waste heat recovery are being explored to improve efficiency and ensure a round-the-clock energy supply. Emerging opportunities include geothermal-powered desalination plants, industrial process heating, and geothermal-

solar hybrid solutions, which can enhance energy reliability and reduce carbon intensity. With leading companies such as ACWA Power, Masdar, First Solar, JinkoSolar, and EDF Renewables increasingly exploring geothermal development alongside other renewables, the Middle East geothermal energy market is positioned for steady growth over the coming decade.

Middle East Geothermal Energy Market Report Segmentation

This report forecasts revenue growth at the regional and country levels and provides an analysis of the latest industry trends in each of the sub-segments from 2021 to 2033. For this study, Grand View Research has segmented the Middle East geothermal energy market report on the basis of technology, power, application, and country:

Technology Outlook (Revenue, USD Million, 2021 - 2033)

Flash Steam

Dry Steam

Binary Cycle Power Plants

Power Outlook (Revenue, USD Million, 2021 - 2033)

Upto 5 MW

Above 5 MW

Application Outlook (Revenue, USD Million, 2021 - 2033)

Residential

Commercial

Industrial

Country Outlook (Revenue, USD Million, 2021 - 2033)

Middle East

UAE

Saudi Arabia

Israel

Oman

Qatar

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