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Analyzing Geothermal Power in Australia

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Abstracts

Australia continues to make modest use of its geothermal energy resources. The country's geothermal industry is currently in the exploration phase and is yet to start commercial scale production from geothermal resources. The geothermal production capacity is expected to increase over 0.075 GW by 2022.

Geothermal energy is still an emerging industry in Australia, with exploration being conducted in all states and the Northern Territory. While significant resources have been identified and there are several companies in advanced stages of exploration, presently there is no commercial production of geothermal energy in Australia. That said, there is significant potential for geothermal energy in Australia. It is estimated that one percent of the geothermal energy shallower than five kilometers and hotter than 150 degrees could supply Australia's total energy requirements for 26,000 years.

Currently, drilling technology limits economic development of geothermal resources to a maximum depth of about five kilometers. Thus companies are exploring for regions of elevated temperatures at five kilometers deep or less. The temperature at five kilometers depth varies across the continent due to a range of geologic factors. It is possible to identify areas of higher potential through the use of a variety of geoscience data.

Despite its huge potential, only a minimal amount of power is being extracted from geothermal resources. However, with increasing pressure to reduce greenhouse gas emissions, the Australian government has started to promote investments in the geothermal industry. In Australia, geothermal resources are primarily found in South Australia and Tasmania and along the southern Victorian coastline. Also, Western Australia contains some of the most prospective areas that are in the Perth Basin (including the Perth metropolitan area) and Pilbara region (Carnarvon Basin).

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Aruvians Rsearch analyzes the Geothermal Power in Australia in its latest research offering Analyzing Geothermal Power in Australia.

The report is a comprehensive coverage of the geothermal industry in the region as well as in Australia.

The report begins with an introduction to geothermal power. We analyze the utilization of geothermal energy, the grading of geothermal resources, technologies used in geothermal power generation, emerging technologies, amongst others.

We analyze the global geothermal power market before the analysis of the geothermal market in Australia and in Asia Pacific. We first analyze the global geothermal power industry through power generated from geothermal resources worldwide and global geothermal power installed capacity. We further look at the factors impacting the global geothermal power industry such as growth drivers and challenges facing the global geothermal industry.

Geothermal power in Asia Pacific is analyzed through power generated from geothermal resources, installed capacity of geothermal power, regional segmentation of the industry and the major industry deals that have taken place in recent years.

For the geothermal industry in Indonesia, we analyze the power generated from geothermal resources, geothermal power installed capacity, industry segmentation by renewable energy technologies, regulatory frameworks governing the market in Australia, and major industry projects, both existing and upcoming.

Major global industry players are analyzed through a corporate profile, an analysis of their major business segments, the presence of these companies in the geothermal market, and a SWOT analysis.

Aruvians Rsearch’s report Analyzing Geothermal Power in Australia is a complete guide to this rapidly growing industry.

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