
Description: The global hydropower market is expected to grow at a CAGR of 4.1% from 2014 to 2020. Hydropower is one of the oldest sources of energy which was used thousands of years ago - to turn paddle wheels that help grind grain. Hydropower is a versatile, sustainable technology and it is the world's largest source of renewable energy and currently accounts for about 20% of the world's total electricity supply. It has one of the best efficiencies of conversion of all known energy sources (water to wire 90 percent efficiency). Harnessing water maturely can help take electricity access to millions of people. Stable, reliable, and affordable electricity supply is also crucial for driving economic growth and ending extreme poverty.

Hydropower can be highly flexible and quickly responds to fluctuations in electricity demand thereby providing stability to the grid. The cost of hydropower is relatively low, making it a viable source of renewable energy. The major advantage of hydroelectricity is its non-intermittent supply, long service life with very low maintenance and operational costs. Moreover, the operating cost of a hydroelectric station doesn't have a bearing on Global oil and gas supplies. Thus, it is immune (to oil supply and demand fluctuations).

The global hydropower market is expected to expand significantly due to increase in Global electricity demand, especially in developing countries, owing to the surge in population and rapid industrialization. As conventional sources have become expensive due to the depleting supply and intermittent prices, it has become essential to explore renewable energy sources. Consequently, government policies have become more favorable to encourage investments in hydropower from both public and private players. The collective effect of these factors is expected to drive the market at an exponential rate.

On the flipside, Environmental (Regulatory Framework to obtain clearances) and societal concerns (disruption in habitat and resettlement of communities), Administrative Bottlenecks, High Initial Investments, and High Gestation Period are constraining the market.

Significant untapped hydropower potential across the world is providing opportunities for investments in hydropower.

This report comprehensively analyzes the Hydropower Market by segmenting it based on geography and capacity. Estimates in each segment are provided for the next five years. Key drivers and restraints that are affecting the growth of this market were discussed in detail. The study also elucidates on the competitive landscape and key market players.

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Contents:

1. Executive Summary
2. Research Methodology
3. Markets Covered
4. Market Overview
   4.1 Introduction
   4.2 Market Demand to 2020
   4.3 Recent Trends and Developments
5. Drivers, Constraints & Opportunities

5.1 Drivers

5.1.1 Rise in energy demand due to increase in population and rapid industrialization

5.1.2 Legislations are in favor to increase investments in hydro power by providing incentives

5.1.3 Conventional sources have become expensive due to the depleting supply

5.1.4 Refurbishment and Modernization of Existing Equipment

5.2 Constraints

5.2.1 Environmental and societal concerns

5.2.2 High Initial Investments

5.2.3 High Gestation Period

5.2.4 Administrative bottlenecks

5.3 Opportunities

5.3.1 Untapped hydropower potential in Emerging Markets

6. Hydropower Market - Value Chain Analysis

7. Porters Five Force Analysis

7.1 Bargaining Power of Supplier

7.2 Bargaining Power of Consumers

7.3 Threat of New Entrants

7.4 Threat of Substitute Products and Services

7.5 Degree of Competition

8. Global Hydropower Market Analysis, by Geography

8.1 Europe

8.1.1 Overview

8.1.2 Major Region

8.1.2.1 UK

8.1.2.2 Norway

8.1.2.3 Sweden

8.1.2.4 Others

8.2 North America

8.2.1 Overview

8.2.2 Major Country

8.2.2.1 USA
8.2.2.2 Canada
8.2.2.3 Others
8.3 Asia Pacific
8.3.1 Overview
8.3.2 Major Countries
8.3.2.1 China
8.3.2.2 India
8.3.2.3 Japan
8.3.2.4 Russia
8.3.2.5 Others
8.4 Rest Of the World
8.4.1 Overview
8.4.2 Major Countries
8.4.2.1 Brazil
8.4.2.2 Venezuela
8.4.2.3 Others
9. Global Hydropower Market Analysis, by Capacity
9.1 Overview
9.2 Pico Hydro
9.3 Micro Hydro
9.4 Small Hydro
9.5 Large Hydro
10. Key Company Analysis
10.1 British Columbia Hydro & Power Authority
10.2 Alstom
10.3 Hydro Quebec
10.4 Centrais Eletricas Brasileiras S.A. â€“ Eletrobras
10.5 Chubu Electric Power Company
10.6 Chugoku Electric Power
10.7 Datang International Power Generation Company Limited
10.8 E-CO Energi AS
10.9 Electric Power Development Co., Ltd
10.10 Companhia Energetica de Sao Paulo
10.11 JSC RusHydro
10.12 NHPC India
10.13 SJVN India

11. Competitive Landscape
11.1 Mergers & Acquisitions
11.2 Joint Ventures, Collaborations and Agreements
11.3 Market Share Analysis

12. Appendix
12.1 Contact Us
12.2 Disclaimer

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