

Global Floating Data Center on Water Market Growth (Status and Outlook) 2024-2030

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Abstracts

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The concept of floating data centers has gained significant attention due to its potential to address the growing demand for sustainable and efficient data processing. These innovative facilities are essentially data centers housed on floating platforms, typically located on bodies of water. Floating data centers present a viable remedy to land scarcity challenges in densely populated urban areas, where conventional data centers often grapple with spatial limitations. Moreover, leveraging natural water bodies for cooling purposes contributes to heightened energy efficiency, thereby mitigating the environmental footprint associated with data center operations. With the escalating global demand for data storage and processing, the adaptability and eco-friendly characteristics of floating data centers render them an attractive and pragmatic solution for the evolving landscape of data infrastructure.

The global Floating Data Center on Water market size is projected to grow from US\$ 252 million in 2024 to US\$ 533 million in 2030; it is expected to grow at a CAGR of 13.3% from 2024 to 2030.

LPI (LP Information)' newest research report, the "Floating Data Center on Water Industry Forecast" looks at past sales and reviews total world Floating Data Center on Water sales in 2022, providing a comprehensive analysis by region and market sector of projected Floating Data Center on Water sales for 2023 through 2029. With Floating Data Center on Water sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Floating Data Center on Water industry.

This Insight Report provides a comprehensive analysis of the global Floating Data Center on Water landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyses the strategies of leading global companies with a focus on Floating Data Center on Water portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Floating Data Center on Water market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Floating Data Center on Water and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Floating Data Center on Water.

One of the primary drivers for the growth of the floating data center market is the increasing demand for edge computing. Edge computing involves processing data closer to where it is generated rather than relying on a centralized data-processing warehouse. This surge is particularly evident in the anticipated expansion of edge data center counts by suppliers, which is projected to grow significantly. The increase in edge computing is due to the need for faster processing and lower latency in data handling, particularly for applications such as Internet of Things (IoT) devices, smart cities, and mobile computing.

This report presents a comprehensive overview, market shares, and growth opportunities of Floating Data Center on Water market by product type, application, key players and key regions and countries.

Segmentation by Type:

Small-scale (1-5MW)

Medium-scale (5MW-10MW)

Large-scale (>10MW)

Segmentation by Application:

Cloud Computing

Edge Computing

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

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Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analyzing the company's coverage, product portfolio, its market penetration.

Nautilus Data Technologies, Inc

Beijing Highlander Digital Technology Co.,Ltd.

Subsea Cloud Inc.

Denv-R

Microsoft

Keppel Data Centres Pte Ltd

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