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AI Enhanced HPC Market, Global Outlook and Forecast 2022-2028

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Abstracts

The architecture required for HPC implementations has many similarities with AI implementations. Both use high levels of compute and storage, large memory capacity and bandwidth, and high-bandwidth fabrics to achieve results, typically by processing massive data sets of increasing size. The promise of AI in HPC is that AI models can augment expert analysis of data sets to produce results faster at the same level of accuracy.

This report contains market size and forecasts of AI Enhanced HPC in Global, including the following market information:

Global AI Enhanced HPC Market Revenue, 2017-2022, 2023-2028, ($ millions)

Global top five companies in 2021 (%)

The global AI Enhanced HPC market was valued at million in 2021 and is projected to reach US$ million by 2028, at a CAGR of % during the forecast period 2022-2028.

The U.S. Market is Estimated at $ Million in 2021, While China is Forecast to Reach $ Million by 2028.

Hardware Accelerated Segment to Reach $ Million by 2028, with a % CAGR in next six years.

The global key manufacturers of AI Enhanced HPC include Intel, NVIDIA, YOTTA, DELL, Amazon Web Services, AMD, Fujitsu, Hewlett Packard Enterprise and Lenovo and etc. In 2021, the global top five players have a share approximately % in terms of

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revenue.

MARKET MONITOR GLOBAL, INC (MMG) has surveyed the AI Enhanced HPC companies, and industry experts on this industry, involving the revenue, demand, product type, recent developments and plans, industry trends, drivers, challenges, obstacles, and potential risks.

Total Market by Segment:

Global AI Enhanced HPC Market, by Type, 2017-2022, 2023-2028 ($ millions)

Global AI Enhanced HPC Market Segment Percentages, by Type, 2021 (%)

Hardware Accelerated

Software Accelerated

Global AI Enhanced HPC Market, by Application, 2017-2022, 2023-2028 ($ millions)

Global AI Enhanced HPC Market Segment Percentages, by Application, 2021 (%)

Analytics for Financial Services

Industrial

Visualization and Simulation

Biological and Medical

Earth Sciences

Global AI Enhanced HPC Market, By Region and Country, 2017-2022, 2023-2028 ($ Millions)

Global AI Enhanced HPC Market Segment Percentages, By Region and Country, 2021 (%)

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North America

- US
- Canada
- Mexico

Europe

- Germany
- France
- U.K.
- Italy
- Russia
- Nordic Countries
- Benelux
- Rest of Europe

Asia

- China
- Japan
- South Korea
- Southeast Asia
- India
- Rest of Asia

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South America

Brazil

Argentina

Rest of South America

Middle East & Africa

Turkey

Israel

Saudi Arabia

UAE

Rest of Middle East & Africa

Competitor Analysis

The report also provides analysis of leading market participants including:

Key companies AI Enhanced HPC revenues in global market, 2017-2022 (estimated), ($ millions)

Key companies AI Enhanced HPC revenues share in global market, 2021 (%)

Further, the report presents profiles of competitors in the market, key players include:

Intel

NVIDIA

YOTTA

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DELL

Amazon Web Services

AMD

Fujitsu

Hewlett Packard Enterprise

Lenovo

Penguin Computing

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