

3D Printing Construction Market to Garner \$3.3 trillion by 2032 | Asia-Pacific Leads with 105.8% CAGR

The growing use of 3D printers in construction for precise final products, cost-effective prototyping, & sustainable building solution is driving market growth.

NEW CASTLE, DE, UNITED STATES, February 7, 2025 /EINPresswire.com/ -- According to a new report published by Allied Market Research, titled, "[3d printing construction market](#)" was valued at \$5.5 billion in 2023, and is projected to reach \$3.3 trillion by 2032, growing at a CAGR of 105.8% from 2024 to 2032.

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Construction 3D printing is a process for printing concrete, polymer, metal, or other materials layer by layer using a 3D printer to create construction pieces or full buildings. The most prevalent form of printer is one that uses a robotic arm to extrude concrete back and forth. Furthermore, 3-dimension printers are totally automated, removing the possibility of human mistake. In addition, the rise in government investments in the approaching construction sector expansion is expected to boost the 3D printing construction industry during the forecast period.

Various governments take initiatives to enhance the living standard of citizen. For instance, in June 2022, the plan of UAE government to construct approximately 25% of new buildings in Dubai as per 3D printed buildings technology by 2032. In order to attain this target, government has selected CyBe construction. Hence, these investments are expected to provide significant growth in 3D Printing Construction Market.

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North-America accounted for the largest share of the global market and dominated the global 3D printing construction market in terms of revenue in 2023 owing to expansion of residential and commercial sectors. However, Asia Pacific is expected to register highest CAGR during the forecast period. This is due to increase in R&D investments in developing countries and rise in government investments day-by-day in construction of buildings and infrastructures.

However, during the COVID-19 pandemic, various manufacturers in the 3D printing construction market had to stop their business in countries such as China, the U.S., and India. This break directly impacted the sales of 3D printing construction companies. In addition, lack of manpower and raw materials also constricted supply of equipment for 3D printing construction, which negatively influenced the 3D printing construction market growth. Moreover, reopening of production facilities and introduction of vaccines for coronavirus disease are anticipated to lead to re-opening of 3D printing construction companies. By region, the market is analyzed across North America, Europe, Asia-Pacific, and LAMEA. In 2023, Asia-Pacific had the highest 3D printing construction market share and is anticipated to secure the leading position during the forecast period, due to extensive demand in the construction & infrastructure segment.

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3D Printing Construction Market Report Highlights

Aspects/Details

Market Size By 2032

USD 3.3 Trillion

Growth Rate

CAGR of 105.8%

Forecast period

2024–2032

Report Pages

187

By Construction Method

Extrusion

Power bonding

By Material Type

Concrete

Metal

Composite

By End-user

Buildings

Infrastructure

By Region

North America (U.S., Canada, Mexico)

Europe (France, Germany, Italy, UK, Rest of Europe)

Asia-Pacific (China, Japan, India, South Korea, Rest of Asia-Pacific)

LAMEA (Latin America, Middle East, Africa)

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Key Findings Of The Study

The report provides an extensive analysis of the current and emerging global [3D printing construction market trends](#) and dynamics.

Depending on material type, the concrete has dominated the 3D printing construction market, in terms of revenue in 2023 and the metal segment is projected to grow at a significant CAGR during the forecast period.

By construction method, the extrusion segment has registered highest revenue in 2023.

Asia-Pacific is projected to register highest growth rate in the coming years.

The key players within the global 3D printing construction market are profiled in this report, and their strategies are analyzed thoroughly, which help understand competitive outlook of the 3D printing construction industry.

The report provides an extensive analysis of the current trends and emerging opportunities of the market.

In-depth global 3D printing construction market analysis is conducted by constructing estimations for the key segments between 2023 and 2032.

The global 3D printing construction market forecast analysis from 2023 to 2032 is included in the report.

The region and countries are analyzed thoroughly, which help understand the competitive outlook of the 3D printing construction market opportunity.

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and achieve sustainable growth in their respective market domain.

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