

Modular Construction Market Size Will Anticipated to Reach \$155.9 Billion by 2031 | TMR

The modular construction market size is estimated to grow at a CAGR of 5.8% from 2023 to 2031 and reach US\$ 155.9 Bn by the end of 2031.

WILMINGTON, DE, UNITED STATES, December 19, 2024 /EINPresswire.com/ -- The modular construction market is revolutionizing the building and construction industry by offering efficient, sustainable, and cost-effective alternatives to traditional construction methods. Modular construction involves fabricating building components, or modules, in off-site factories and assembling them on-site. These modules can include complete rooms or sections of buildings, with electrical wiring, plumbing, and finishes pre-installed. The modular construction market size is estimated to grow at a CAGR of 5.8% from 2023 to 2031 and reach US\$ 155.9 Bn by the end of 2031.

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Market Overview

The modular construction market is segmented by type, material, application, and region. Types include permanent modular construction (PMC) and relocatable modular construction (RMC). Key materials used are steel, concrete, wood, and composite materials. Applications span residential, commercial, industrial, and infrastructure sectors.

Key Drivers of Growth

Rising Demand for Affordable Housing

The growing housing shortage, especially in urban areas, has accelerated the adoption of modular construction as a quicker and more affordable solution.

Focus on Sustainability

Modular construction reduces material waste and energy consumption, aligning with global sustainability goals and green building initiatives.

Shorter Construction Timelines

Off-site manufacturing significantly reduces on-site construction time, providing a competitive advantage over traditional methods.

Technological Advancements

The integration of BIM (Building Information Modeling), 3D printing, and automation in modular construction enhances precision and efficiency.

Labor Shortages in Construction

Skilled labor shortages are prompting contractors to adopt modular methods that require fewer on-site workers.

Top Companies:

ALHO Systembau GmbH Elements Europe KLEUSBERG GmbH & Co. KG Lindbäcks Bygg AB Lowrie Modular Buildings Paragon Space Ltd Polcom Group Robertson Group Totally Modular Ltd Vision Modular Systems

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Recent Trends

Adoption of Smart Technologies Smart factories equipped with robotics and IoT are improving the efficiency and scalability of modular construction processes.

Expansion of Commercial Applications Modular construction is increasingly being used for office spaces, hotels, and healthcare facilities due to its flexibility and scalability.

Focus on High-rise Modular Buildings Advancements in structural engineering and materials are enabling the construction of modular skyscrapers and multi-story buildings.

Customization and Design Innovations Manufacturers are offering tailored designs to meet specific client needs, enhancing the aesthetic and functional appeal of modular buildings.

Rise in Public-private Partnerships (PPPs)

Collaboration between governments and private players is driving large-scale adoption of modular construction for infrastructure projects.

Market Segmentation

By Type Permanent Relocatable By Structure Walls Floors Frames **Ceilings & Roofs Doors & Windows** Others By Material OSB Plasterboard Fiber Cement Steel Fiber Reinforced Concrete Polypropylene Fiber Reinforced (PFR) Cement & Concrete Glass Fiber Reinforced Concrete (GFRC) Asbestos Fiber Others Timber Steel Others **Building Sector** Residential Industrial Commercial Offices **Education Institutes** Healthcare Centers Hotels & Cafes **Transportation Facilities Shopping Malls**

Others

By Distribution Channel Direct Indirect

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Regions

North America Europe Asia Pacific Middle East & Africa South America

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