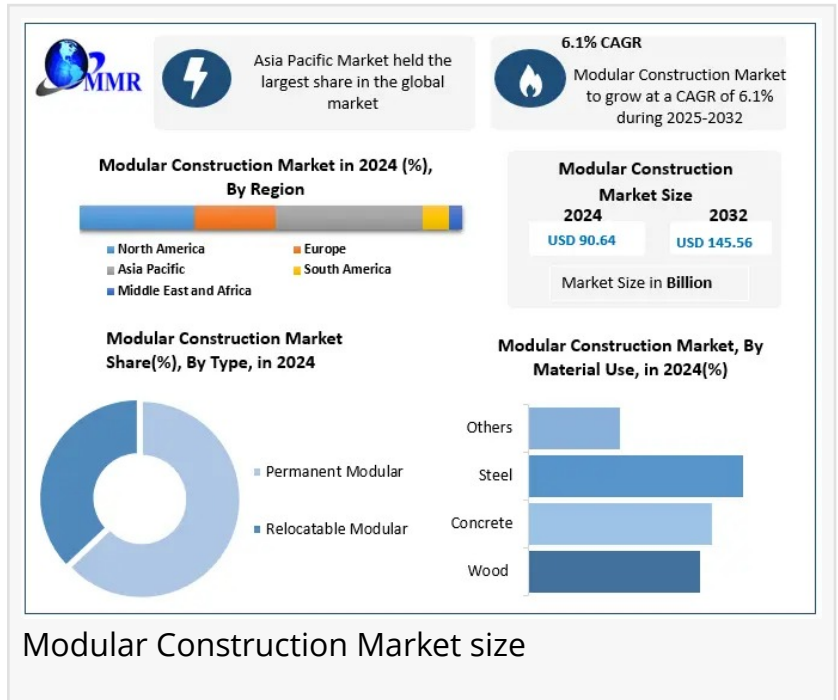


Modular Construction Market to Surpass US\$ 145.56 Billion by 2032 Driven by Prefabricated Housing & Sustainable Solutions

Modular Construction Market size valued at USD 90.64 Billion in 2025, is projected to reach nearly USD 145.56 Billion by 2032

NEW YORK, NY, UNITED STATES, February 11, 2026 /EINPresswire.com/ -- [Modular Construction Market](#) size valued at USD 90.64 Billion in 2025, is projected to reach nearly USD 145.56 Billion by 2032, growing at a CAGR of 6.1%.

Global modular [construction](#) market is poised for robust growth, driven by rising urbanization, demand for prefabricated and energy-efficient housing, technological advancements in smart modular solutions, and strategic adoption of sustainable materials, creating new opportunities across residential, [commercial](#), and industrial sectors worldwide.



“Modular Construction Market Set for Rapid Evolution: Innovation, Technology, and Sustainability Lead Growth: Maximize Market Research Insights” ”
Maximize Market Research

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Key Market Trends & Insights from the Modular Construction Market Report (2025-2032)

Residential Modular Construction Leads Market Adoption: Residential housing accounted for the largest share of 45% in 2024, driven by the rising demand for

prefabricated modular homes in urban and high-density areas. Prefabricated solutions reduce construction time by 30–50% and provide scalable, energy-efficient, and cost-effective housing solutions. High adoption is observed in China, the U.S., and European nations, where sustainable modular building solutions are increasingly mandated by government regulations.

Commercial and Hospitality Sectors Drive Growth: Commercial buildings and hotels represented 30% of modular construction usage in 2024. Leading global hotel chains, including Marriott International and Hilton, are increasingly deploying permanent modular construction for new properties, benefiting from faster project completion, reduced labor dependency, and lower operational costs. Office and co-working modular buildings are also gaining traction in urban centers.

Technological Advancements Accelerate Market Evolution: The integration of Building Information Modeling (BIM), robotic automation, and 3D-printed modular components is transforming the market. Companies such as Winsun and Apis Cor are pioneering 3D-printed modular homes and commercial structures, enabling rapid customization and reducing material wastage. Adoption of digital twin technology and AI-assisted modular design is also improving cost forecasting, structural accuracy, and project efficiency.

Asia-Pacific Leads Market Production, While North America and Europe Drive Premium Demand: China dominates global production, with over 3,000 modular manufacturing facilities focusing on prefabricated housing and infrastructure projects. The U.S., Germany, and Japan are leading markets for high-value, technologically advanced modular solutions. North America and Europe continue to drive premium adoption due to stringent building codes, government incentives, and advanced modular technologies.

Opportunities in Smart and Sustainable Infrastructure: The market is witnessing increased investment in smart modular buildings, integrating IoT-enabled home automation, energy management, and digital building systems. Sustainable modular construction, focusing on low-carbon materials and energy efficiency, is becoming a critical differentiator for developers, particularly in Europe and North America.

Market Leaders and Competitive Landscape: Key players driving the global modular construction market include Laing O'Rourke, Katterra, Skanska, Bouygues Construction, and China State Construction. These companies are investing heavily in automation, vertical integration, and sustainable modular technologies to maintain a competitive edge.

Unlocking Growth: How Permanent Modular Construction and Steel-Based Prefabricated Homes Are Transforming Global Modular Construction Market

Global Modular Construction Market is strategically segmented by type, material, distribution channel, and end-use, revealing key growth drivers. Permanent modular construction and steel-based prefabricated modular homes dominate due to durability, scalability, and rapid

deployment. Hospitals lead end-use adoption, leveraging sustainable modular building solutions and smart modular technologies for high-quality infrastructure. Offline B2B channels remain critical, while emerging markets present untapped potential, signaling a transformative era in modular construction.

By Type

Permanent Modular

Relocatable Modular

By Material Use

Wood

Concrete

Steel

Others

By Distribution Channel

Offline

Online

By End-Use

Hospitals

Clinical

Research laboratories

Others

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Scope of the report includes below the solutions:

Modular Construction Solutions

Permanent Modular Construction (PMC)

- o Long-term residential buildings
- o Commercial buildings
- o Institutional buildings (schools, hospitals)

Relocatable / Temporary Modular Units

- o Emergency shelters
- o Temporary offices
- o Industrial workforce housing

Technology & Design Innovations

Building Information Modeling (BIM)

- o Digital planning & coordination
- o Clash detection
- o On-site fit verification

Design for Manufacturing & Assembly (DfMA)

- o Optimized pre-fabrication workflows
- o Reduced construction time
- o Enhanced quality control

Smart Modular Integration

- o IoT-enabled energy management
- o Remote monitoring
- o Smart building automation

Automation & Robotics in Production

- o Robotic assembly lines
- o Automated panel fabrication
- o Precision joining technologies

Sustainable & Advanced Materials

Steel Modular Systems

- o Multi-story modular frames
 - o High-strength, lightweight solutions
- ## Cross-Laminated Timber (CLT) & Wood Panels
- o Eco-friendly, low-carbon construction
 - o Rapid assembly

Concrete & Composite Panels

- o Fire-resistant prefabricated units
- o Durable panels for commercial and industrial applications

Some of the ongoing innovations in the pipeline include:

- Boxabl Casita Units – Compact, foldable modular homes for urban residential applications
- Veev Panelized Modular Homes – Sustainable, off-site manufactured panels with integrated smart features
- Riko Hiše CLT-Based Structures – Low-carbon, eco-friendly timber modular homes

- Advanced DfMA Platforms – Digital production systems enabling precision modular assembly and reduced waste
- IoT & Smart Building Modules – Energy-efficient, sensor-enabled residential and commercial units

Modular Construction Market Soars: ATCO, Anderco, Giant Containers & Honomobo Lead Strategic Growth (2024-2025)

ATCO: In September 2024, ATCO Structures completed a major acquisition of NRB Modular Solutions, accelerating its global modular construction footprint with expanded residential and industrial offerings.

Anderco Pte. Ltd.: Anderco continues to reshape Southeast Asia's prefabricated housing and container-based modular solutions landscape, innovating affordable modular homes that drive regional offsite construction growth (2025).

Giant Containers Inc.: In December 2025, Safe & Green Holdings completed a strategic acquisition of Giant Containers, strengthening modular infrastructure capabilities and project pipeline in modular shipping container solutions.

In 2025, Honomobo is pioneering energy-efficient, steel-framed modular homes across North America, blending sustainable modular architecture with modern design to set new residential construction benchmarks.

Asia-Pacific and North America Lead Global Modular Construction Market: Innovation, High-Rise Projects, and Energy-Efficient Growth

Asia-Pacific dominates the global modular construction market, driven by rapid urbanization, government-backed permanent modular construction initiatives, and over 3,000 advanced prefabricated manufacturing facilities in China. Leveraging energy-efficient modular buildings, BIM technology, and high-rise offsite construction, the region is setting global benchmarks, creating unprecedented growth opportunities for residential, commercial, and industrial modular projects across emerging and developed markets.

North America ranks as the second-dominating modular construction market, driven by high-value permanent modular projects, energy-efficient buildings, and smart modular homes. Leveraging advanced BIM, robotic assembly, and AI-assisted design, the U.S. and Canada set global benchmarks in sustainable offsite construction, high-rise modular infrastructure, and customized commercial solutions, signaling a technology-driven, premium growth trajectory for 2025-2032.

Modular Construction Market, Key Players:

- 1) ATCO
- 2) Anderco Pte. Ltd.
- 3) Giant Containers Inc.
- 4) Honomobo Corporation
- 5) Bouygues Construction
- 6) Skyline Champion Corporation
- 7) Daiwa House Industry Co., Ltd.
- 8) WillScot Mobile Mini Holdings Corp.
- 9) Guerdon Modular Buildings
- 10) Red Sea International Company
- 11) Skanska AB
- 12) Algeco UK Limited
- 13) KLEUSBERG GmbH & Co. KG
- 14) Katterra
- 15) Bechtel Corporation
- 16) SG Blocks, Inc.
- 17) Modulex Modular Buildings Plc
- 18) Palomar Modular Buildings
- 19) System House R & C Co., Ltd.
- 20) Westchester Modular Homes
- 21) Koma Modular
- 22) DPR Construction

23) BAM Construct & Ventures UK Ltd.

24) Promat Shanghai Ltd.

25) GZI China

26) Henan K-Home Steel Structure Co., Ltd

27) Lian Sheng International

28) EPACK Prefab

29) Debrique Creative Labs PVT LTD

30) Pressmach Infrastructure Private Limited

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FAQs:

What is the projected growth of the Modular Construction Market by 2032?

Ans: Global Modular Construction Market, valued at USD 90.64 Billion in 2025, is expected to reach USD 145.56 Billion by 2032, growing at a CAGR of 6.1%, driven by prefabricated housing, energy-efficient modular buildings, and smart offsite construction solutions.

Which product and technology segments are leading the Modular Construction Market?

Ans: Permanent modular construction and steel-based prefabricated homes dominate. Advanced technologies like BIM, robotic assembly, AI-assisted design, 3D-printed components, and IoT-enabled smart buildings are accelerating adoption and efficiency.

Which regions dominate the Modular Construction Market?

Ans: Asia-Pacific leads, fueled by government-backed initiatives and 3,000+ prefabrication factories in China. North America follows, driven by high-value projects, energy-efficient smart homes, and advanced modular technologies in the U.S. and Canada.

Analyst Perspective:

Global modular construction sector is evolving rapidly, driven by technological integration, sustainable materials, and smart modular solutions. High adoption in Asia-Pacific and North America underscores regional dynamics, while strategic acquisitions, collaborations, and

innovations by key players like ATCO, Honomobo, and Anderco highlight competitive intensity. Continued investment in automation, BIM, and energy-efficient designs signals strong growth potential, offering diversified returns and long-term opportunities for developers and investors pursuing scalable, high-quality modular infrastructure.

Related Reports:

Modular Construction Materials Market: <https://www.maximizemarketresearch.com/market-report/modular-construction-materials-market/189237/>

Construction Smart Wearable Market: <https://www.maximizemarketresearch.com/market-report/construction-smart-wearable-market/148665/>

Construction Sustainable Materials Market: <https://www.maximizemarketresearch.com/market-report/global-construction-sustainable-materials-market/80736/>

Top Report:

Professional Beauty Services Market size was valued at USD 252.48 Billion in 2023 and the total Professional Beauty Services revenue is expected to grow at a CAGR of 5.2% from 2024 to 2030, reaching USD 360.02 Billion; <https://www.maximizemarketresearch.com/market-report/professional-beauty-services-market/190439/>

Automatic Gate and Door Opening System Market size was valued at USD 11.01 Billion in 2025 and the total Automatic Gate and Door Opening System revenue is expected to grow at a CAGR of 6.9% from 2025 to 2032, reaching nearly USD 17.56 Billion by 2032: <https://www.maximizemarketresearch.com/market-report/global-automatic-gate-and-door-opening-system-market/55923/>

B2B Telecommunication Market size was valued at USD 75.20 Billion in 2024 and the total B2B Telecommunication revenue is expected to grow at a CAGR of 15.3% from 2025 to 2032, reaching nearly USD 234.88 Billion: <https://www.maximizemarketresearch.com/market-report/global-b2b-telecommunication-market/63857/>

Sports Mouth Guard Market was valued at USD 4.09 Billion in 2023, and it is expected to reach USD 5.83 Billion by 2030, exhibiting a CAGR of 5.2% during the forecast period (2024-2030): <https://www.maximizemarketresearch.com/market-report/global-sports-mouth-guard-market/70068/>

Propylene Oxide Market was valued at USD 26.14 Bn. in 2024 and the total Global Propylene Oxide Market revenue is expected to grow at a CAGR of 6.67% from 2025 to 2032 reaching nearly 43.82 Bn. by 2032. <https://www.maximizemarketresearch.com/market-report/propylene-oxide-market/2515/>

About Maximize Market Research – Modular Construction Market:

Maximize Market Research is a leading market research and business consulting firm delivering high-impact insights in the modular construction sector. With a focus on material innovation and sustainable building solutions, we empower developers, investors, and manufacturers to make data-driven decisions, drive operational efficiency, and stay ahead in this fast-evolving industry.

Material & Chemical Domain Expertise:

Specializing in material and chemical applications for modular construction, Maximize Market Research analyzes advanced steel, concrete, cross-laminated timber, and composite panels. Our research highlights innovations in low-carbon, fire-resistant, and energy-efficient materials, enabling stakeholders to adopt sustainable modular solutions, optimize cost-effectiveness, and capitalize on emerging global growth opportunities.

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MAXIMIZE MARKET RESEARCH PVT. LTD.

+91 96073 65656

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