

**UAE Prefabricated Building and Structural Steel Market Report by Component  
(Prefabricated Building, Structural Steel), End Use Sector (Residential, Institutional,  
Commercial, Industrial) 2024-2032**

Market Report | 2024-04-08 | 138 pages | IMARC Group

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**Report description:**

The UAE prefabricated building and structural steel market size reached US\$ 635.0 Million in 2023. Looking forward, IMARC Group expects the market to reach US\$ 1,003.9 Million by 2032, exhibiting a growth rate (CAGR) of 5.1% during 2024-2032.

Prefabricated buildings are made by assembling components, such as roofs, walls, and staircases, at off-sites by builders in specialized facilities. These structures are then installed at the site depending on the preference of an individual. Prefabricated buildings are supported by structural steel frames, which comprises angles, columns, and beams. They act as an ideal building solution in locations with unsuitable environmental conditions for onsite construction. Besides this, they are environment-friendly, require minimal maintenance, and provide better weather resistance, ease of expansion and efficient material utilization. As a result, they find extensive utilization in the construction of traditional structures in the residential and commercial sectors of the UAE.

**UAE Prefabricated Building and Structural Steel Market Trends:**

The growing adoption of advanced construction methods to reduce the time and the rising number of unskilled laborers represents one of the key factors positively influencing the sales of prefabricated building components and structural steel in the UAE. In addition, the usage of these solutions helps in decreasing construction debris and pollutants and minimizing human errors and the overall cost of the project. As prefabricated building components are manufactured using advanced technologies with controlled quality specifications, they assist in extending the average lifespan of buildings. These benefits, along with the increasing preferences of contractors for off-site construction, are strengthening the growth of the market in the country. Apart from this, the UAE Government started numerous development programs, which is a long-term plan for the economic development of the emirate. This program is anticipated to escalate the demand for prefabricated building and structural steel in

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the construction of resilient infrastructure across the country.

#### Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the UAE prefabricated building and structural steel market report, along with forecasts at the regional and country level from 2024-2032. Our report has categorized the market based on component and end use sector.

#### Breakup by Component:

- Prefabricated Building
  - Floors and Roofs
  - Walls
  - Staircase
  - Panels and Lintels
  - Others
- Structural Steel
  - H-Type Beam
  - I-Type Beam
  - Columns
  - Angles
  - Others

#### Breakup by End Use Sector:

- Residential
- Institutional
- Commercial
- Industrial

The residential sector currently accounts for the majority of the total market share on account of the increasing housing projects.

#### Competitive Landscape:

The competitive landscape of the market has been analyzed in the report, along with the detailed profiles of the major players operating in the industry.

#### Key Questions Answered in This Report:

- How has the UAE prefabricated building and structural steel market performed so far and how will it perform in the coming years?
- What has been the impact of COVID-19 on the UAE prefabricated building and structural steel market?
- What are the key end use sector segments in market?
- Which are the popular product types in the market?
- What are the major components in the market?
- What are the various stages in the value chain of the UAE prefabricated building and structural steel industry?
- What are the key driving factors and challenges in the UAE prefabricated building and structural steel industry?
- What is the structure of the UAE prefabricated building and structural steel market and who are the key players?
- What is the degree of competition in the UAE prefabricated building and structural steel industry?

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