

# Zero Emission Building Market By Element Type (Lighting, Walls & Roofs, Heating, Ventilation, And Air Conditioning (HVAC) Systems, Others), By Building Type (Residential, Commercial) : Global Opportunity Analysis and Industry Forecast, 2024-2033

https://marketpublishers.com/r/ZAC0D1B5C5CDEN.html

Date: July 2024 Pages: 280 Price: US\$ 2,601.00 (Single User License) ID: ZAC0D1B5C5CDEN

## Abstracts

The zer%li%emission building market was valued at \$28.7 billion in 2023, and is projected t%li%reach \$155.1 billion by 2033, growing at a CAGR of 18.4% from 2024 t%li%2033.

Zer%li%emission buildings are those that have n%li%on-site carbon emission from fossil fuels and exhibit high energy performance. T%li%curb energy usage, these buildings use cutting-edge building materials and adopt sustainable practices. They are designed t%li%be highly insulated, which helps prevent outdoor pollutants from entering the building. Maximum buildings today use a lot of energy by keeping lights on, using air conditioners, heating water, and power personal devices. Such heavy energy load cannot be countered even by installing solar systems. Thus, increase in construction of zer%li%emission buildings serves as an ideal solution t%li%curb the emission of greenhouse gases.

The growth of the global zer%li%emission building market is majorly driven by alarming increase in environmental concerns and implementation of stringent government regulations t%li%mitigate carbon emission and adopt sustainable construction practices. For instance, the European Union designed a Fit for 55 package, which is a set of proposals t%li%amend and update EU legislation and t%li%implement initiatives t%li%ensure that EU policies align with the climate goals agreed by the Council and the European Parliament. Currently, buildings in the EU account for one-third of greenhouse gas emissions. With the implementation of new rules, EU aims

Zero Emission Building Market By Element Type (Lighting, Walls & Roofs, Heating, Ventilation, And Air Conditio...



t%li%transform all new buildings t%li%zero-emission buildings by 2030. However, high initial costs, technological complexity, and regulatory barriers act as the key deterrent factors of the market. On the contrary, advancements in building materials and increase in installation of high-efficiency HVAC systems t%li%optimize energy use are expected t%li%offer lucrative opportunities for the growth of the market during the forecast period. Furthermore, increase in construction of climate-adaptive buildings that can withstand extreme weather and changing environmental conditions? is anticipated t%li%open new avenues for the market growth.

The zer%li%emission building market is segmented int%li%element type, building type, and region. On the basis of element type, the market is divided int%li%lighting; walls & roofs; heating, ventilation, and air conditioning (HVAC) systems; and others. As per building type, it is segregated int%li%residential and commercial. Region wise, the zer%li%emission building market share is analyzed across North America, Europe, Asia-Pacific, and LAMEA.

#### **Key Findings**

On the basis of element type, the heating, ventilation, and air conditioning (HVAC) systems segment is expected t%li%lead the market by 2033.

By building type, the residential segment is expected t%li%exhibit fastest growth throughout the forecast period.

Region wise, Asia-Pacific is projected t%li%dominate the market by 2033.

#### **Competition Analysis**

Competitive analysis and profiles of the major players in the global zer%li%emission building market include Skanska AB, Bouygues Construction, Turner Construction Company, Siemens AG, Johnson Controls International plc, Schneider Electric, Tesla, Inc., SunPower Corporation, Mitsubishi Electric Corporation, and GreenTree Global. These major players have adopted various key development strategies such as business expansion, new product launches, and partnerships t%li%sustain the intense competition in the market.

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Expanded list for Company Profiles

SWOT Analysis

Key Market Segments



#### By Element Type

Lighting

Walls Roofs

Heating, Ventilation, And Air Conditioning (HVAC) Systems

Others

#### By Building Type

Residential

Commercial

#### By Region

North America

U.S.

Canada

Mexico

Europe

France

Germany

Italy

Spain

UK



#### Russia

Rest of Europe

Asia-Pacific

China

Japan

India

South Korea

Australia

Thailand

Malaysia

Indonesia

**Rest of Asia-Pacific** 

LAMEA

Brazil

South Africa

Saudi Arabia

UAE

Argentina

Rest of LAMEA



Key Market Players

Skanska AB

**Bouygues Construction** 

**Turner Construction Company** 

Siemens AG

Johnson Controls International plc

Schneider Electric

Tesla, Inc.

SunPower Corporation

Mitsubishi Electric Corporation

GreenTree Global.



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