

Smart Building Window Actuator Industry Report: Competitive Landscape and Future Prospects

The Business Research Company's Smart Building Window Actuator Global Market Report 2025 – Market Size, Trends, And Global Forecast 2025-2034

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/EINPresswire.com/ -- What Is The

Projected Market Size & Growth Rate

Of The Smart Building Window Actuator Market?

In recent years, the market size of the smart building window actuator has experienced rapid growth. Market projections indicate expansions from \$3.73 billion in 2024 to \$4.14 billion in 2025, with a compound annual growth rate (CAGR) of 11.0%. Factors contributing to the growth

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during the historic period include the rising demand for energy-efficient structures, growing consciousness concerning indoor air quality, the expansion of automation in commercial infrastructure, an increase in green building certifications, and an escalating focus on occupant comfort.

Expectations are high for the [smart building window actuator market](#) as it's projected to experience swift expansion in the coming years. Projected to reach a value of \$6.21 billion in 2029, it will expand at a Compound Annual Growth Rate (CAGR) of 10.7%. This expected growth

in the forecast period is largely due to factors such as increased IoT incorporation in building systems, a surge in the utilisation of intelligent ventilation, expansion of smart city initiatives in urban areas, a rise in the retrofitting of older buildings and growing regulatory demand for energy conservation. Major shifts projected to be witnessed during this forecast period include technological advancements in wireless actuator, AI-driven climate control systems, innovative sensor-integrated window solutions, low-noise actuator developments, and progress in predictive maintenance features.

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What Is The Crucial Factor Driving The Global Smart Building Window Actuator Market?

The smart building window actuator market is poised for expansion, driven by the increasing prevalence of smart buildings. Smart buildings, defined as structures equipped with advanced technologies and automated systems to improve energy efficiency, safety, comfort, and overall operation, are on the rise due to growing urban infrastructure demands for energy efficiency and sustainability. A smart building window actuator plays a crucial role in these buildings by automatically controlling window openings for natural ventilation, smoke removal, and enhanced indoor air quality. As reported by Buildup, a Europe-based climate, infrastructure, and environment executive agency, in May 2022, it's anticipated that there will be 115 million smart buildings globally by 2026, a significant increase from 45 million in 2022. This increase in smart buildings is fueling the growth of the smart building window actuator market.

Who Are The Emerging Players In The Smart Building Window Actuator Market?

Major players in the Smart Building Window Actuator Global Market Report 2025 include:

- Siemens AG
- Schneider Electric SE
- ASSA ABLOY Group
- VELUX Group
- Somfy Group
- Guangdong KinLong Hardware Products Co. Ltd.
- TiMOTION Technology Co. Ltd.
- GEZE GmbH
- Colt International Ltd.
- Aldes Group

What Are The Key Trends And Market Opportunities In The Smart Building Window Actuator Sector?

Leading corporations in the smart building window actuator market are zeroing in on the development of progressive technology such as Zigbee mesh-enabled automated chain actuators to improve energy efficiency, natural ventilation, and remote reach in contemporary architecture. These Zigbee mesh-enabled automated chain actuators are window-oriented motors that link and interact wirelessly with home automation networks, facilitating silent, synchronized manoeuvres and multiple window control via apps. For instance, ASSA ABLOY AB, a Swedish firm offering access solutions centred around doors, locks and related services, unveiled the Yale Aeron Window Control System in June 2024. This cutting-edge actuator mechanism leverages a hushed motor and seamlessly integrates with Zigbee mesh networks while also aligning with the Yale Home App for remote window command. The system enhances energy utility by offering adjustable ventilation modes, uplifts indoor air standard, and increases

security by permitting automated closure.

What Segments Are Covered In The Smart Building Window Actuator Market Report?

The smart building window actuator market covered in this report is segmented as

- 1) By Product Type: Electric Actuators, Pneumatic Actuators, Hydraulic Actuators, Other Product Types
- 2) By Control System: Manual, Automated, Hybrid
- 3) By Installation Type: New Installation, Retrofit
- 4) By Application: Commercial Buildings, Residential Buildings, Industrial Buildings, Other Applications
- 5) By End-User: Offices, Hospitals, Educational Institutions, Shopping Malls, Other End-Users

Subsegment:

- 1) By Electric Actuators: Chain Actuators, Linear Actuators, Rack And Pinion Actuators
- 2) By Pneumatic Actuators: Piston Actuators, Diaphragm Actuators
- 3) By Hydraulic Actuators: Linear Hydraulic Actuators, Rotary Hydraulic Actuators
- 4) By Other Product Types: Manual Actuators, Hybrid Actuators, Custom Or Advanced Smart Actuators

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<https://www.thebusinessresearchcompany.com/report/smart-building-window-actuator-global-market-report>

Which Region Is Projected To Hold The Largest Market Share In The Global Smart Building Window Actuator Market?

In 2024, Europe led the global market for smart building window actuators. It's projected that the quickest growing region will be Asia-Pacific in the forecast period. This report includes data from regions such as Asia-Pacific, Western Europe, Eastern Europe, North America, South America, the Middle East, and Africa.

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Speak With Our Expert:

Saumya Sahay

Americas +1 310-496-7795

Asia +44 7882 955267 & +91 8897263534

Europe +44 7882 955267

Email: saumyas@tbrc.info

The Business Research Company - www.thebusinessresearchcompany.com

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Oliver Guirdham

The Business Research Company

+44 7882 955267

info@tbrc.info

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