

# **Asia Pacific Building Automation System Market Forecast to 2031 - Regional Analysis - by Component [Hardware (Security & Surveillance System, Facility Management Systems, Fire Protection Systems, and Others) and Software & Services] and End User (Commercial, Industrial, and Residential)**

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## **Abstracts**

The Asia Pacific building automation system market was valued at US\$ 17,546.28 million in 2023 and is expected to reach US\$ 42,432.81 million by 2031; it is estimated to register a CAGR of 11.7% from 2023 to 2031.

### **Growing Need for Sustainable Building Automation Solutions Boosts Asia Pacific Building Automation System Market**

Sustainable buildings aim to minimize energy consumption and carbon emissions. BAS can monitor, control, and optimize HVAC, lighting, and other systems based on occupancy and environmental conditions. With an increasing shift toward renewable energy sources, such as solar and wind, BAS can intelligently manage the integration and utilization of these sources within building operations, ensuring optimal energy use and substantial cost savings. BAS provides real-time data on energy usage and environmental metrics, facilitating informed decision-making for energy conservation strategies and compliance with sustainability standards and regulations. Sustainable buildings prioritize occupant comfort and health. BAS can maintain indoor air quality, regulate temperature, and optimize natural lighting, contributing to enhanced occupant satisfaction and productivity. Also, sustainable BAS solutions result in cost savings due to reduced energy expenses, lower maintenance needs, and prolonged equipment life, making them financially attractive for building owners and operators. The use of

sustainable solutions aligns with global sustainability goals, improving energy efficiency, enhancing occupant comfort, and offering significant economic benefits for building owners and operators. Thus, the growing need for sustainable building automation solutions across industries is expected to create significant opportunities for the building automation market growth during the forecast period.

## Asia Pacific Building Automation System Market Overview

In August 2022, Johnson Controls, a renowned global leader in intelligent, sustainable, and health-focused buildings, collaborated with Microsoft Beijing Campus to continually renovate and enhance building operations. This strategic alliance has yielded remarkable results, including a 27.9% reduction in energy consumption and a 98% uptime for critical equipment. Consequently, the campus has received recognition for energy conservation and financial support from the Beijing Municipal Government and the Haidian District Government. This initiative aligns with China's commitment to peak carbon emissions by 2030 and achieve carbon neutrality by 2060, placing significant emphasis on the building sector to embrace the latest sustainable engineering technology. This partnership serves as a prime example of how AI and advanced building automation systems can significantly enhance energy efficiency and operational automation in large-scale building operations. Microsoft Beijing Campus also utilizes Johnson Controls Metasys Building Automation System (BAS) to monitor cooling and heating equipment, channeling significant data into OBEM for analysis. Such collaboration initiatives drive the Asia Pacific building automation system market .

## Asia Pacific Building Automation System Market Revenue and Forecast to 2031 (US\$ Million)

### Asia Pacific Building Automation System Market Segmentation

The Asia Pacific building automation system market is categorized into component, end user, and country.

Based on component, the Asia Pacific building automation system market is bifurcated into hardware and software & services. The hardware segment held a larger market share in 2023. Furthermore, the hardware segment is sub segmented into security & surveillance system, facility management systems, fire protection systems, and others.

In terms of end user, the Asia Pacific building automation system market is segmented into commercial, industrial, and residential. The commercial segment held the largest

market share in 2023.

By country, the Asia Pacific building automation system market is segmented into Australia, China, India, Japan, South Korea, and the Rest of Asia Pacific. China dominated the Asia Pacific building automation system market share in 2023.

ABB Ltd; Mitsubishi Electric Corp; Bosch Sicherheitssysteme GmbH; Honeywell international Inc; Schneider Electric SE; Siemens AG; Johnson Controls International Plc; Carrier Global Corp; Lutron Electronics Co., Inc; and Trane Technologies Plc are some of the leading companies operating in the Asia Pacific building automation system market.

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