

# **North America 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)**

<https://marketpublishers.com/r/NBB74F4B0C0FEN.html>

Date: January 2025

Pages: 133

Price: US\$ 3,450.00 (Single User License)

ID: NBB74F4B0C0FEN

## **Abstracts**

The North America building automation system market was valued at US\$ 26,941.14 million in 2023 and is expected to reach US\$ 56,607.91 million by 2031; it is estimated to register a CAGR of 9.7% from 2023 to 2031.

**Rise in Need for Enhanced Comfort, Safety, and Security Among Building Occupants Fuels North America Building Automation System Market**

Building automation systems (BAS) improve a building's security system with the implementation of cutting-edge instruments and techniques. It provides better security to the building's occupants as well as protects assets, corporate resources, property, and IT data. In addition to preventing property damage and theft, the system also provides security against employee fraud. The system can also be programmed to detect possible safety issues, such as gas fires or leaks, and take appropriate action to limit these risks. Further, the elevator access control system helps block access to select floors and areas within the building that are deemed restricted by the management staff. Also, the system guards against security breaches and allows temporary network traffic to be directed within the facility. Only authorized personnel are granted access in access control management. Furthermore, every activity occurring within the building is recorded and stored by access control software. A building's indoor environmental quality (IEQ) and comfort can both be improved by using building

automation systems. These systems can be designed to keep the temperature and humidity levels consistent and comfortable across the building. To guarantee that the air in a building is clean and uncontaminated, BAS is used to monitor and manage the air quality, especially in structures with large occupancy rates, such as office and school buildings. Thus, the rising need for enhanced comfort, safety, and security among building occupants drives the building automation market.

## North America Building Automation System Market Overview

The North America building automation system market growth is attributed to the presence of key players such as Honeywell International Inc., Johnson Control International PLC, Siemens AG, Schneider Electric SE, and Oracle Corporation. The market witness's rapid growth as building automation systems offers a range of benefits to control and monitor building-wide assets. Johnson Controls operates across four key segments, delivering building automation systems that enable the seamless integration of commercial HVAC, lighting, security, and protection systems on a unified platform to enhance communication and information exchange. Trane's building automation system, centered around the Tracer SC+ platform, encompasses a comprehensive range of products, from sensors and equipment controls to complete enterprise management. It is adaptable to expansion requirements of organization and utilizes the standard, open BACnet protocol to interconnect and integrate Trane and non-Trane devices effectively.

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

### North America Building Automation System Market Segmentation

The North America building automation system market is categorized into component, end user, and country.

Based on component, the North America 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 North America building automation system market is segmented into commercial, industrial, and residential. The commercial segment held

the largest market share in 2023.

By country, the North America building automation system market is segmented into the US, Canada, and Mexico. The US dominated the North America 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 North America building automation system market.

## Contents

### **1. INTRODUCTION**

- 1.1 The Insight Partners Research Report Guidance
- 1.2 Market Segmentation

### **2. EXECUTIVE SUMMARY**

- 2.1 Key Insights
- 2.2 Market Attractiveness

### **3. RESEARCH METHODOLOGY**

- 1.1 Secondary Research
- 1.2 Primary Research
  - 3.1.1 Hypothesis formulation:
  - 3.1.2 Macro-economic factor analysis:
  - 3.1.3 Developing base number:
  - 3.1.4 Data Triangulation:
  - 3.1.5 Country level data:

### **4. NORTH AMERICA BUILDING AUTOMATION SYSTEM MARKET LANDSCAPE**

- 4.1 Overview
- 4.2 Ecosystem Analysis
  - 4.2.1 List of Vendors in the Value Chain

### **5. NORTH AMERICA BUILDING AUTOMATION SYSTEM MARKET – KEY MARKET DYNAMICS**

- 5.1 Market Drivers
  - 5.1.1 Rise in Need for Enhanced Comfort, Safety, and Security Among Building Occupants
  - 5.1.2 Integration of Wireless Sensor Network Technology and Wireless Protocols with Building Automation Systems
- 5.2 Market Restraints
  - 5.2.1 Lack of Skilled Professionals
  - 5.2.2 High Installation and Implementation Cost

### 5.3 Market Opportunities

#### 5.3.1 Growing Need for Sustainable Building Automation Solutions

#### 5.3.2 Rising Initiatives in Smart City Projects

### 5.4 Future Trends

#### 5.4.1 Consumer IoT, IP-based Devices, SaaS, and Other Technological Developments

### 5.5 Impact of Drivers and Restraints:

## **6. BUILDING AUTOMATION SYSTEM MARKET – NORTH AMERICA ANALYSIS**

### 6.1 Building Automation System Market Revenue (US\$ Million), 2021–2031

### 6.2 Building Automation System Market Forecast Analysis

## **7. NORTH AMERICA BUILDING AUTOMATION SYSTEM MARKET ANALYSIS – BY COMPONENT**

### 7.1 Hardware

#### 7.1.1 Overview

#### 7.1.2 Hardware: Building Automation System Market – Revenue and Forecast to 2031 (US\$ Million)

### 7.2 Software & Services

#### 7.2.1 Overview

#### 7.2.2 Software & Services: Building Automation System Market – Revenue and Forecast to 2031 (US\$ Million)

## **8. NORTH AMERICA BUILDING AUTOMATION SYSTEM MARKET ANALYSIS – BY END USER**

### 8.1 Commercial

#### 8.1.1 Overview

#### 8.1.2 Commercial: Building Automation System Market – Revenue and Forecast to 2031 (US\$ Million)

### 8.2 Industrial

#### 8.2.1 Overview

#### 8.2.2 Industrial: Building Automation System Market – Revenue and Forecast to 2031 (US\$ Million)

### 8.3 Residential

#### 8.3.1 Overview

#### 8.3.2 Residential: Building Automation System Market – Revenue and Forecast to 2031 (US\$ Million)

## **9. NORTH AMERICA BUILDING AUTOMATION SYSTEM MARKET – COUNTRY ANALYSIS**

### **9.1 North America Building Automation System Market Overview**

#### **9.1.1 North America: Building Automation System Market Breakdown 2023 and 2031 (%) – by Country**

##### **9.1.1.1 North America: Building Automation System Market – Revenue and Forecast Analysis – by Country**

##### **9.1.1.2 United States: Building Automation System Market – Revenue and Forecast to 2031 (US\$ Million)**

###### **9.1.1.2.1 United States: Building Automation System Market Revenue and Forecast to 2031 (US\$ Million), by Component**

###### **9.1.1.2.2 United States: Building Automation System Market – Revenue and Forecast Analysis, by Hardware**

###### **9.1.1.2.3 United States: Building Automation System Market – Revenue and Forecast Analysis, by End User**

##### **9.1.1.3 Canada: Building Automation System Market – Revenue and Forecast to 2031 (US\$ Million)**

###### **9.1.1.3.1 Canada: Building Automation System Market – Revenue and Forecast Analysis, by Component**

###### **9.1.1.3.2 Canada: Building Automation System Market – Revenue and Forecast Analysis, by Hardware**

###### **9.1.1.3.3 Canada: Building Automation System Market – Revenue and Forecast Analysis, by End User**

##### **9.1.1.4 Mexico: Building Automation System Market – Revenue and Forecast to 2031 (US\$ Million)**

###### **9.1.1.4.1 Mexico: Building Automation System Market – Revenue and Forecast Analysis, by Component**

###### **9.1.1.4.2 Mexico: Building Automation System Market – Revenue and Forecast Analysis, by Hardware**

###### **9.1.1.4.3 Mexico: Building Automation System Market – Revenue and Forecast Analysis, by End User**

## **10. COMPETITIVE LANDSCAPE**

### **10.1 Company Positioning & Concentration**

### **10.2 Heat Map Analysis by Key Players**

## **11. INDUSTRY LANDSCAPE**

- 11.1 Overview
- 11.2 Market Initiative
- 11.3 Product Development
- 11.4 Mergers & Acquisitions

## **12. COMPANY PROFILES**

- 12.1 ABB Ltd
  - 12.1.1 Key Facts
  - 12.1.2 Business Description
  - 12.1.3 Products and Services
  - 12.1.4 Financial Overview
  - 12.1.5 SWOT Analysis
  - 12.1.6 Key Developments
- 12.2 Mitsubishi Electric Corp
  - 12.2.1 Key Facts
  - 12.2.2 Business Description
  - 12.2.3 Products and Services
  - 12.2.4 Financial Overview
  - 12.2.5 SWOT Analysis
  - 12.2.6 Key Developments
- 12.3 Bosch Sicherheitssysteme GmbH
  - 12.3.1 Key Facts
  - 12.3.2 Business Description
  - 12.3.3 Products and Services
  - 12.3.4 Financial Overview
  - 12.3.5 SWOT Analysis
  - 12.3.6 Key Developments
- 12.4 Honeywell International Inc
  - 12.4.1 Key Facts
  - 12.4.2 Business Description
  - 12.4.3 Products and Services
  - 12.4.4 Financial Overview
  - 12.4.5 SWOT Analysis
  - 12.4.6 Key Developments
- 12.5 Schneider Electric SE
  - 12.5.1 Key Facts

- 12.5.2 Business Description
- 12.5.3 Products and Services
- 12.5.4 Financial Overview
- 12.5.5 SWOT Analysis
- 12.5.6 Key Developments
- 12.6 Siemens AG
  - 12.6.1 Key Facts
  - 12.6.2 Business Description
  - 12.6.3 Products and Services
  - 12.6.4 Financial Overview
  - 12.6.5 SWOT Analysis
  - 12.6.6 Key Developments
- 12.7 Johnson Controls International Plc
  - 12.7.1 Key Facts
  - 12.7.2 Business Description
  - 12.7.3 Products and Services
  - 12.7.4 Financial Overview
  - 12.7.5 SWOT Analysis
  - 12.7.6 Key Developments
- 12.8 Carrier Global Corp
  - 12.8.1 Key Facts
  - 12.8.2 Business Description
  - 12.8.3 Products and Services
  - 12.8.4 Financial Overview
  - 12.8.5 SWOT Analysis
  - 12.8.6 Key Developments
- 12.9 Lutron Electronics Co., Inc
  - 12.9.1 Key Facts
  - 12.9.2 Business Description
  - 12.9.3 Products and Services
  - 12.9.4 Financial Overview
  - 12.9.5 SWOT Analysis
  - 12.9.6 Key Developments
- 12.10 Trane Technologies Plc
  - 12.10.1 Key Facts
  - 12.10.2 Business Description
  - 12.10.3 Products and Services
  - 12.10.4 Financial Overview
  - 12.10.5 SWOT Analysis



#### 12.10.6 Key Developments

### **13. APPENDIX**

#### 13.1 Word Index

#### 13.2 About The Insight Partners

## I would like to order

Product name: North America 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)

Product link: <https://marketpublishers.com/r/NBB74F4B0C0FEN.html>

Price: US\$ 3,450.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/NBB74F4B0C0FEN.html>