

# **Global Building Automation System Market Size study & Forecast, by Communication Technology (Wired Technology, Wireless Technology) By Offering (Facility Management Systems, Security & Access Control Systems, Fire Protection Systems, Building Energy Management Software, BAS services, Others (Gateways, HMI Screens, Smart Plugs, Smart Hubs, and Smart Locks), By Application (Residential, Commercial, Industrial) and Regional Analysis, 2022-2029**

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## **Abstracts**

Global Building Automation System Market is valued approximately USD XX billion in 2021 and is anticipated to grow with a healthy growth rate of more than XX% over the forecast period 2022-2029. Building Automation System comprises a microprocessor system built on a connection of wired or wireless controllers to varied systems in building construction. The foremost aim of building automation system is towards enhancing building's structural efficacy. This BAS is considered to monitor and regulate many parameters such as humidity, HVAC, ventilation systems, mechanical, lighting, security and fire in a building or across several campuses. BAS is gaining popularity owing to its varied range of applications in commercial, residential and industrial premises. Prime focus on designing and establishing energy-efficient, eco-friendly buildings, rise in adoption of automated security systems in buildings and rapid infrastructure development in emerging economies are some of the key driving factors in market growth.

The rising integration of IoT with building automation systems is anticipated to create the lucrative demand for the market during forecast period. According to Statista, in year 2019, globally, there were around 7.74 billion IoT connected devices which increased to 8.74 billion devices in year 2020 and is expected to reach 25.44 billion by year 2030. As a result, due to rising adoption of IoT device in building automation system, the market players are developing innovative advanced product, that anticipated to support the market growth. For instance, in June 2022, DOME is a device-level cyber security solution for building networks that was introduced by Advantech, a provider of IIoT (Industrial Internet of Things (IoT) and automation technology. A SaaS (Software as a Service) platform called DOME offers building networks real-time cyber security protection. Further, development of wireless protocols and wireless sensor network technology for BAS, favorable government initiatives and incentives coupled advancement of building technologies and automation with data analytics is expected to create significant growth opportunity in the market over the forecast period. However, lack of a skilled workforce and technical difficulties impedes the growth of the market over the forecast period of 2022-2029.

The key regions considered for the Global Building Automation System Market study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. North America is the dominating region across the world in terms of market share, owing to the government initiative to decrease energy emission from buildings coupled growing awareness of benefits of automation. Whereas, Asia Pacific is also anticipated to exhibit highest growth rate over the forecast period, owing to factors such as rapid growth in construction industry, growing adoption of IoT in building automation, and growing smart city projects would create lucrative growth prospects for the Building Automation System market across Asia Pacific region.

Major market player included in this report are:

Honeywell International

Siemens AG

Johnson Controls International

Schneider Electric

United Technologies Corp.

Robert Bosch

Legrand

Hubbell

ABB

Ingersoll-Rand

#### Recent Developments in the Market:

In Jan. 2022, Johnson Controls expanded its leadership in autonomous and intelligent buildings after acquiring Foghorn. By deeply integrating Foghorn's Leading-Edge AI technology throughout OpenBlue, the acquisition is anticipated to enhance Johnson Controls' innovation and plan for Smart Autonomous Buildings.

#### Global Building Automation System Market Report Scope:

Historical Data 2019-2020-2021

Base Year for Estimation 2021

Forecast period 2022-2029

Report Coverage Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered Communication Technology, Offering, Application, Region  
Regional Scope North America; Europe; Asia Pacific; Latin America; Rest of the World  
Customization Scope Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope\*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

#### By Communication Technology:

Wired Technology

Wireless Technology

#### By Offering:

Facility Management Systems

Security & Access Control Systems

Fire Protection Systems

Building Energy Management Software

BAS Services

Others (Gateways, HMI Screens, Smart Plugs, Smart Hubs, and Smart Locks)

#### By Application:

Residential

Commercial  
Industrial

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

RoLA

Rest of the World

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