

# Building Automation & Control Systems (BACS) Market Size Worth USD 151.86 Billion by 2028 – Reports and Data

*Surge in Demand for Energy-Efficient Systems in various buildings is expected to fuel the growth of the market*

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The global [Building Automation & Control Systems \(BACS\) market](#) is expected to reach USD 151.86 Billion by 2028, according to a new report by

Reports and Data. A rise in demand for smart buildings with better connectivity and efficient management systems to reduce utility costs and enhance the security and access system of the buildings such as residential building, shopping malls, etc. have created an escalating demand for Building Automation & Control Systems (BACS) across the globe.

Initiatives taken by Governments to build smart building is further pushing the growth of Building Automation & Control Systems (BACS) market. On July, 2107, Public Services and Procurement Canada (PSPC) in an announcement said that they would be deploying the Smart Buildings initiative in around 100 buildings across Canada through a phased tactic over the subsequent three years.

The announcement is the result of the success of pilot project that comprised 13 buildings in the National Capital Region of Ottawa-Gatineau. The Smart Buildings technology that was deployed resulted in energy savings of up to 17 per cent, which interprets into \$1 million per year.

Requirement of high cost in the implementation of Building Automation & Control Systems (BACS) may create hindrances in the growth of the market.

The market in Asia Pacific region is projected to grow at the highest CAGR of 7.9% in the forecast period. Proliferation of IoT technology in the region along with a rise in the level of disposable income coupled with the various government initiatives and funding to build smart cities and smart buildings are the main reasons driving the growth of the market in this region.



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## Market Overview:

The manufacturing and construction industry has rapidly grown in terms of revenue in the recent years and is expected to register robust revenue growth throughout the forecast period. Factors such as technological advancements in manufacturing techniques and rapid urbanization and industrialization are boosting market revenue growth. Moreover, there has been a sudden rise in the demand for smart buildings and smart homes and consumers are inclining towards green energy and eco-friendly construction activities due to rising environmental concerns. These factors along with latest trend for redevelopment and advanced flooring for aesthetic look and increasing adoption of automation across the globe are fueling market growth. In addition, government schemes and increasing investments to develop enhanced products is expected to open favorable growth opportunities going ahead.

Key participants include Siemens AG, Johnson Controls International PLC, Honeywell International Inc., Schneider Electric SE, Robert Bosch GmbH, Legrand SA, United Technologies Corporation, ABB Ltd., Hubble Inc. and Lutron Electronics Co. Inc.

Further key findings from the report suggest

- Energy management systems would hold the largest market share and witness the growth rate of CAGR 7.7% during the forecast period as unnecessary wastage of energy is being translated into increased expenses on energy which would be optimally managed with the implementation of Building Automation & Control Systems (BACS). Also, governments all over the world are putting in consistent efforts to find alternative ways to generate energy as in present situation energy is being generated from natural resources that would soon be depleted.
- Wireless technology for establishing communication in Building Automation & Control Systems (BACS) in connected buildings is estimated to experience the highest growth rate of CAGR 7.85% during the forecast period. The use of wireless communication technology enhances the efficiency of automation and control systems by enabling ease of operation and control of the system.
- The region of North America would contribute to the largest market share growing with a CAGR 7.8% during the forecast period. A rise in renovation as compared to new construction of buildings in US is responsible for the demand of automation and control system in the buildings. With rise in pollution, the need to have clean and purified air is also driving the market growth.
- A rise in investment in HVAC systems to reduce energy consumption in existing buildings will further boost the market growth.
- Siemens AG, a key company in the market offers Desigo, an advanced building automation and control system, for converting traditional buildings into smart buildings.

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## market

For the purpose of this report, Reports and Data have segmented global Building Automation & Control Systems (BACS) Market on the basis of product, communication technology, application and region:

### Product Outlook (Revenue, USD Billion; 2020-2028)

- Electronic Security & Safety
- Access Control
- Energy Management System
- Fire & Line Safety
- Heating, Ventilation & Air-Conditioning
- Others

### Communication Technology Outlook (Revenue, USD Billion; 2020-2028)

- Wired
- Wireless

### Application Outlook (Revenue, USD Billion; 2020-2028)

- Government
- Hospital
- Commercial
- Industrial
- Institutional
- Retail
- IT/ITES
- Residential

The research study includes an in-depth analysis of the market using advanced research methodologies such as SWOT analysis and Porter's Five Forces analysis. The report further explores the key business players along with their in-depth profiling, product portfolio, and strategic business decisions. The report has been formulated through extensive primary and secondary research and further validated by analysts, industry experts, and market professionals. The report also sheds light on the recent mergers and acquisitions, joint ventures, collaborations, partnerships, and product launches, among others.

Regional analysis covers assessment of import/export, production and consumption ratio, supply and demand, cost, price, estimated revenue and gross margins, and presence of key players in the region. The report also offers insights about revenue growth, market size, market share, technological advancements, and presence of key players in each region.

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Regional Bifurcation of the Building Automation & Control Systems (BACS) Market Includes:

North America (U.S., Canada, Mexico)

Europe (U.K., Italy, Germany, France, Rest of Europe)

Asia Pacific (India, Japan, China, South Korea, Australia, Rest of APAC)

Latin America (Chile, Brazil, Argentina, Rest of Latin America)

Middle East & Africa (Saudi Arabia, U.A.E., South Africa, Rest of MEA)

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