

Building Automation System - Company Evaluation Report, 2025

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Report description:

The Building Automation System Companies Quadrant is a comprehensive industry analysis that provides valuable insights into the global market for Building Automation System. This quadrant offers a detailed evaluation of key market players, technological advancements, product innovations, and emerging trends shaping the industry. MarketsandMarkets 360 Quadrants evaluated over 100 companies, of which the Top 28 Building Automation System Companies were categorized and recognized as quadrant leaders.

Building automation streamlines the management and supervision of various building systems, such as facility management systems, security and access control systems, and fire safety alarms. Its benefits include lowering energy usage, improving occupant comfort, and efficiently handling building operations.

Building automation systems (BAS) are computer-based networks designed to automate and control systems like heating, ventilation, and air conditioning (HVAC), lighting, and other building systems. These systems are intended to enhance the comfort, safety, security, and convenience of occupants while promoting energy efficiency within buildings. BAS allows diverse systems to communicate across different platforms, software, and protocols. The primary role of a BAS is to regulate the indoor climate according to occupancy schedules, monitor system performance and detect equipment failures, and generate alerts for malfunctions. Automation systems help reduce both energy consumption and maintenance expenses. All multi-story green buildings are typically built with a BAS to support energy, air, and water conservation efforts. Many green buildings also incorporate low-power DC devices, usually integrated via power over Ethernet (PoE) wiring. Even a piassavas design that operates with net-zero energy typically depends on a BAS to coordinate heat capture, shading and ventilation, and the timing of device usage.

The 360 Quadrant maps the Building Automation System companies based on criteria such as revenue, geographic presence, growth strategies, investments, and sales strategies for the market presence of the Building Automation System quadrant. The top criteria for product footprint evaluation included By OFFERING (Facility Management Systems, Security and Access Control Systems, Fire Protection Systems, Building Energy Management Software, BAS Services, Other Offerings), By COMMUNICATION TECHNOLOGY (Wireless Technologies, Wired Technologies), and By APPLICATION (Residential, Commercial, Industrial).

Key players in the Building Automation System market include major global corporations and specialized innovators such as Johnson Controls, Schneider Electric, Carrier, Honeywell International Inc., Siemens, Emerson Electricco., Cisco Systems, Inc., Huawei Technologies Co., Ltd., Robert Bosch GmbH, ABB, Trane Technologies plc, Signify Holding, Rockwell Automation, Hubbell, HLI Solutions, Inc., Hitachi, Ltd., Leviton Manufacturing Co., Inc., Legrand, Crestron Electronics, Inc., Lutron Electronics Co., Inc.,

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Beckhoff Automation, Bajaj Electricals India, Beijer Electronics, Dialight, Lennox International Inc., AUCITY INC., Mitsubishi Electric Corporation, and Snap One, LLC. These companies are actively investing in research and development, forming strategic partnerships, and engaging in collaborative initiatives to drive innovation, expand their global footprint, and maintain a competitive edge in this rapidly evolving market.

Top 3 Companies

Johnson Controls

Johnson Controls is a global leader in smart building technologies, leveraging artificial intelligence and data-driven solutions to improve energy management and operational efficiency. The company's OpenBlue platform offers integrated solutions for various sectors including healthcare, education, and manufacturing. Johnson Controls focuses heavily on innovation within its security, fire detection, and life safety divisions. With a substantial company market share, Johnson Controls continues to enhance occupant safety and energy efficiency in buildings worldwide.

Honeywell International

Honeywell International Inc. stands out for its innovative technologies that address critical challenges related to energy, safety, and security applications. The company offers a broad company product portfolio including automation controls, surveillance systems, and fire protection equipment. Honeywell emphasizes on energy-efficient solutions to help commercial buildings optimize their operations. The company's strategic acquisition of US Digital Designs further strengthens its company positioning in the building automation system market.

Siemens

Siemens is at the forefront of digital transformation in building technologies. The company provides open standards-based automation products and services that elevate operational efficiency. Siemens' Smart Infrastructure division offers a wide array of solutions spanning building automation, fire safety, and security, catering to public and commercial facilities. Siemens' continued focus on innovation and expanding its product footprint underscores its leadership position among manufacturers and vendors in the global market

Table of Contents:

1	INTRODUCTION	11
1.1	MARKET DEFINITION	11
1.2	INCLUSIONS AND EXCLUSIONS	11
1.3	STAKEHOLDERS	12
2	EXECUTIVE SUMMARY	13
3	MARKET OVERVIEW	16
3.1	INTRODUCTION	16
3.2	MARKET DYNAMICS	16
3.2.1	DRIVERS	17
3.2.1.1	High emphasis on constructing energy-efficient buildings	17
3.2.1.2	Incorporation of advanced surveillance and biometric technologies into building automation systems	17
3.2.1.3	Integration of IoT technologies and data analytics into building automation systems	17
3.2.1.4	Development of wireless protocols and wireless sensor network technology for building automation systems	18
3.2.1.5	Growing need to enhance occupant comfort, productivity, security, and safety in residential, commercial, and industrial sectors	18
3.2.2	RESTRAINTS	19
3.2.2.1	Technical complexities associated with installation and maintenance and shortage of skilled professionals	19
3.2.2.2	Difficulties in customizing building automation systems	20
3.2.3	OPPORTUNITIES	21
3.2.3.1	Increasing investments by governments and various stakeholders in establishment of smart cities	21
3.2.3.2	Government-led initiatives to enhance energy efficiency and comply with green building standards	21

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3.2.3.3	Integration of building automation systems with renewable energy sources	21
3.2.4	CHALLENGES	22
3.2.4.1	Lack of standardized communication protocols	22
3.2.4.2	Need to keep systems up-to-date with rapid technological advancements	23
3.3	SUPPLY CHAIN ANALYSIS	23
3.4	TRENDS/DISRUPTIONS IMPACTING CUSTOMER BUSINESS	25
3.5	ECOSYSTEM ANALYSIS	26
3.6	TECHNOLOGY ANALYSIS	27
3.6.1	KEY TECHNOLOGIES	27
3.6.1.1	AI-driven analytics	27
3.6.1.2	Digital twin technology in building automation	27
3.6.1.3	IP-based building automation systems	28
3.6.2	COMPLEMENTARY TECHNOLOGIES	28
3.6.2.1	Cloud-based fire protection systems	28
3.6.3	ADJACENT TECHNOLOGIES	28
3.6.3.1	Thermal cameras in access control systems	28
3.7	PORTER'S FIVE FORCES ANALYSIS	29
3.7.1	INTENSITY OF COMPETITIVE RIVALRY	30
3.7.2	THREAT OF NEW ENTRANTS	31
3.7.3	THREAT OF SUBSTITUTES	31
3.7.4	BARGAINING POWER OF BUYERS	31
3.7.5	BARGAINING POWER OF SUPPLIERS	31
3.8	PATENT ANALYSIS	32
3.8.1	DOCUMENT TYPE	32
3.8.2	PUBLICATION TREND	33
3.8.3	JURISDICTION ANALYSIS	33
3.8.4	TOP PATENT OWNERS	33
3.9	KEY CONFERENCES AND EVENTS, 2025-2026	35
3.10	IMPACT OF AI/GEN AI ON BUILDING AUTOMATION SYSTEM MARKET	35
4	COMPETITIVE LANDSCAPE	37
4.1	OVERVIEW	37
4.2	KEY PLAYER STRATEGIES/RIGHT TO WIN, 2021-2025	37
4.3	MARKET SHARE ANALYSIS, 2024	39
4.4	REVENUE ANALYSIS, 2020-2024	42
4.5	COMPANY EVALUATION MATRIX: KEY PLAYERS, 2024	43
4.5.1	STARS	43
4.5.2	EMERGING LEADERS	43
4.5.3	PERVASIVE PLAYERS	43
4.5.4	PARTICIPANTS	43
4.5.5	COMPANY FOOTPRINT: KEY PLAYERS, 2024	45
4.5.5.1	Company footprint	45
4.5.5.2	Region footprint	46
4.5.5.3	Offering footprint	47
4.5.5.4	Communication technology footprint	48
4.5.5.5	Application footprint	49
4.6	COMPANY EVALUATION MATRIX: STARTUPS/SMES, 2024	50

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4.6.1	PROGRESSIVE COMPANIES	50
4.6.2	RESPONSIVE COMPANIES	50
4.6.3	DYNAMIC COMPANIES	50
4.6.4	STARTING BLOCKS	50
	?	
4.6.5	COMPETITIVE BENCHMARKING: STARTUPS/SMES, 2024	52
4.6.5.1	Detailed list of key startups/SMEs	52
4.6.5.2	Competitive benchmarking of key startups/SMEs	53
4.7	COMPETITIVE SCENARIO	53
4.7.1	PRODUCT LAUNCHES	53
4.7.2	DEALS	55
5	COMPANY PROFILES	56
5.1	KEY PLAYERS	56
5.1.1	JOHNSON CONTROLS	56
5.1.1.1	Business overview	56
5.1.1.2	Products/Solutions/Services offered	57
5.1.1.3	Recent developments	58
5.1.1.3.1	Product launches	58
5.1.1.3.2	Deals	59
5.1.1.3.3	Expansions	61
5.1.1.4	MnM view	61
5.1.1.4.1	Key strengths/Right to win	61
5.1.1.4.2	Strategic choices	61
5.1.1.4.3	Weaknesses/Competitive threats	61
5.1.2	SCHNEIDER ELECTRIC	62
5.1.2.1	Business overview	62
5.1.2.2	Products/Solutions/Services offered	63
5.1.2.3	Recent developments	64
5.1.2.3.1	Product Launches	64
5.1.2.3.2	Deals	65
5.1.2.3.3	Expansions	65
5.1.2.3.4	Other developments	66
5.1.2.4	MnM view	66
5.1.2.4.1	Key strengths/Right to win	66
5.1.2.4.2	Strategic choices	66
5.1.2.4.3	Weaknesses/Competitive threats	66
5.1.3	HONEYWELL INTERNATIONAL INC.	67
5.1.3.1	Business overview	67
5.1.3.2	Products/Solutions/Services offered	68
5.1.3.3	Recent developments	70
5.1.3.3.1	Product launches	70
5.1.3.3.2	Deals	71
5.1.3.4	MnM view	73
5.1.3.4.1	Key strengths/Right to win	73
5.1.3.4.2	Strategic choices	73
5.1.3.4.3	Weaknesses/Competitive threats	74
5.1.4	SIEMENS	75

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5.1.4.1	Business overview	75
5.1.4.2	Products/Solutions/Services offered	77
5.1.4.3	Recent developments	77
5.1.4.3.1	Product launches	77
5.1.4.3.2	Deals	78
5.1.4.3.3	Other developments	79
5.1.4.4	MnM view	80
5.1.4.4.1	Key strengths/Right to win	80
5.1.4.4.2	Strategic choices	80
5.1.4.4.3	Weaknesses/Competitive threats	80
5.1.5	CARRIER	81
5.1.5.1	Business overview	81
5.1.5.2	Products/Solutions/Services offered	82
5.1.5.3	Recent developments	83
5.1.5.3.1	Product launches	83
5.1.5.3.2	Deals	85
5.1.5.4	MnM view	86
5.1.5.4.1	Key strengths/Right to win	86
5.1.5.4.2	Strategic choices	86
5.1.5.4.3	Weaknesses/Competitive threats	86
5.1.6	ROBERT BOSCH GMBH	87
5.1.6.1	Business overview	87
5.1.6.2	Products/Solutions/Services offered	88
5.1.6.3	Recent developments	89
5.1.6.3.1	Deals	89
5.1.7	LEGRAND	90
5.1.7.1	Business overview	90
5.1.7.2	Products/Solutions/Services offered	91
5.1.7.3	Recent developments	92
5.1.7.3.1	Product launches	92
5.1.7.3.2	Deals	93
5.1.8	HUBBELL	94
5.1.8.1	Business overview	94
5.1.8.2	Products/Solutions/Services offered	96
5.1.8.3	Recent developments	96
5.1.8.3.1	Product launches	96
5.1.8.3.2	Deals	97
5.1.9	ABB	98
5.1.9.1	Business overview	98
5.1.9.2	Products/Solutions/Services offered	99
?		
5.1.9.3	Recent developments	101
5.1.9.3.1	Product launches	101
5.1.9.3.2	Deals	101
5.1.10	TRANE TECHNOLOGIES PLC	102
5.1.10.1	Business overview	102
5.1.10.2	Products/Solutions/Services offered	103

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5.1.10.3	Recent developments	104
5.1.10.3.1	Product launches	104
5.1.10.3.2	Deals	104
5.2	OTHER PLAYERS	106
5.2.1	LUTRON ELECTRONICS CO., INC.	106
5.2.2	CRESTRON ELECTRONICS, INC.	107
5.2.3	HITACHI, LTD.	108
5.2.4	DELTA INTELLIGENT BUILDING TECHNOLOGIES (CANADA) INC.	109
5.2.5	BECKHOFF AUTOMATION	110
5.2.6	LENNOX INTERNATIONAL INC.	111
5.2.7	HLI SOLUTIONS, INC.	112
5.2.8	ACUITY INC.	113
5.2.9	DIALIGHT	114
5.2.10	CISCO SYSTEMS, INC.	115
5.2.11	ROCKWELL AUTOMATION	116
5.2.12	SNAP ONE, LLC	117
5.2.13	SIGNIFY HOLDING	118
5.2.14	EMERSON ELECTRICCO.	119
5.2.15	LEVITON MANUFACTURING CO., INC.	120
5.2.16	MITSUBISHI ELECTRIC CORPORATION	121
5.2.17	HUAWEI TECHNOLOGIES CO., LTD.	122
5.2.18	BEIJER ELECTRONICS	123
5.2.19	BAJAJ ELECTRICALS INDIA	124
6	APPENDIX	125
6.1	RESEARCH METHODOLOGY	125
6.1.1	RESEARCH DATA	125
6.1.1.1	Secondary data	126
6.1.1.2	Primary data	126
6.1.2	RESEARCH ASSUMPTIONS	127
6.1.3	RESEARCH LIMITATIONS	128
6.1.4	RISK ANALYSIS	129
6.2	COMPANY EVALUATION MATRIX: METHODOLOGY	129
6.3	AUTHOR DETAILS	132

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