TECHNOLOGY, MEDIA & TELECOM ABSTRACT

Smart Buildings - 2018
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The industry’s most comprehensive analysis of this robust market from a regional and vertical sector perspective – forecast to reach over $20.8 billion globally in 2022.

This is the first edition of IHS Markit’s research into the market for smart buildings products from the perspective of building management system (BMS) platforms and equipment that is integrated through these platforms. In advanced cases, BMS platforms are capable of performing predictive analytics and executing complex algorithms to manage equipment, and these functions constitute the foundation for smart buildings.

This study is composed of a chapter on global market trends, a chapter analyzing global market data of platforms and equipment types by region, and a chapter that compares recent market developments to model case studies of projects in six end-user industries.

This report was developed using a variety of sources, including IHS Markit reports covering each of the 14 connected equipment domains documented in this research. Primary research interviews were conducted with equipment manufacturers, platform vendors, systems integrators, engineers, architects and building owners. The report provides a clear and concise outlook of market sizes, growth forecasts, market trends, and the competitive landscape of this industry and gives industry stakeholders crucial insight into the opportunities and dynamics of the market over the forecast period.

Access to IHS Markit’s Smart Buildings Brief (publishing May 2018), which examines the market for IP-capable and IoT-enabled equipment, is also included with this report.

| Table 1.8: The market for BMS Platforms by primary location of data processing: World |
| Revenues ($ millions), with annual growth rate |
|---|---|---|---|---|---|---|---|
| Locally hosted managerial Revenues ($ millions) software | XX | XX | XX | XX | XX | XX | % |
| Cloud architectures Revenues ($ millions) | XX | XX | XX | XX | XX | XX | % |
| Edge architectures (edge devices with equipment) Revenues ($ millions) | XX | XX | XX | XX | XX | XX | % |
| Edge architectures (with IoT Gateways) Revenues ($ millions) | XX | XX | XX | XX | XX | XX | % |
| Total Revenues ($ millions) | XX | XX | XX | XX | XX | XX | % |
| Revenue growth | % | % | % | % | % | % |

Key Issues Addressed

- What is the current size of the global market for BMS platforms and the equipment that is connected through these platforms? How does this differ by region?
- How do different connected building domains (HVAC, lighting, security, fire detection, etc.) fit into the smart building concept?
- What additional functionalities can integrated systems offer in the most advanced smart buildings? What barriers are preventing more buildings from upgrading to incorporate these functions today?
- How do buildings in different end-user industries vary in regards to domain types that are integrated and their levels of integration?
- What portion of BMS platform analytics are performed on-site, versus in the cloud? What trends are influencing the adoption of cloud or edge computing frameworks?
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World market for equipment connected through BMS platforms by end-user industry
Revenues ($M), 2017 and 2022

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