Technology and Market Landscape – Building Energy Management System (BEMS) for Commercial Buildings

Case Study



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Case study: Technology and Market Landscape – Building Energy Management System (BEMS) for Commercial Buildings

Client	Global manufacturer of electrical installations in residential, commercial, and industrial buildings
Industry	Energy management
Products	Building energy management system

Context

 The client wanted to understand the technological and market aspects of Building Energy Management System and gain insights regarding the market size for management of energy consumption in a building at a zonal level.

Key Business Questions

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- What are the various technological and market aspects of Building Energy Management System?
- What is the market size for management of energy consumption in a building at a zonal level?
- How business models have evolved from the point of view of services and products?

Engagement Scope

Technology Landscape

- Understanding of technology area based on communication technology – fieldbus and other protocols, local area networks, wide area networks, and internet protocols
- Components of the system product level, automation level, management level, and cloud hosted software

Market Landscape

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- Understanding of Building Energy Management market size at product level, automation level, management level, and cloud hosted software level
- Market size based on following segmentation - dedicated for multienergy (water, air, gas, and electrical), management of energy production & storage, demand/response management vs. utility grids, and management of energy consumption
- Geographical analysis of key countries

Competitive Landscape & End User Analysis

- Focus on the player activity, market share, end users served, and other parameters for key companies in the market
- Market size for BEMS in different types of commercial buildings – small size buildings, medium-size buildings, and type of end users

Key Findings and Conclusion

- Type of technologies and products available in the market
- Market size for the Building Energy Management System for commercial buildings
- Market size from the point of view of end users – type of commercial buildings
- Key players in the market and their market share

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Research Methodology

Secondary Research

- Conducted secondary research to understand the technological and market aspects related to the Building Energy Management System
- Understanding of business models from point of view of services and products and key market participants

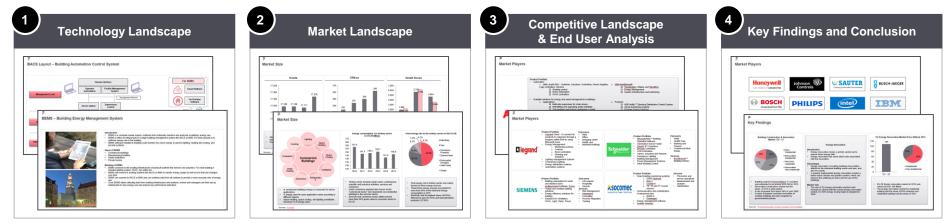
Primary Research

- FutureBridge conducted expert interviews to understand market size for various sections to bridge any data gap
- Expert consultations also aided in the validation of secondary research

Sample Analysis

Benefits to Client

- From the activity, client was able to understand the following aspects of Building Energy Management System for commercial buildings:
 - Products and technology related to Building Energy Management System for commercial buildings
 - Market size for the Building Energy Management System for commercial buildings
 - Key market players and their activity
- The client was able to acquire a holistic view of overall market landscape for Building Energy Management System for commercial buildings.



Thank you

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