



KEY2ACT®

Developing a Smart Building Strategy

Mastering the Smart Building Ecosystem with Key2Act provides a proactive approach to building management

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Mastering the Smart Building Ecosystem

Innovation is transforming mechanical services. Smart building technology changes mean mechanical service providers must be more flexible, agile, and adept at addressing building owners, managers, and tenants issues. The mechanical services market demand is unprecedented with opportunities for smart buildings to improve property management. Today, with all the smart homes, electric cars and smart devices, only about 15% of commercial buildings are “smart,” and have connected building automation systems in place.

The smart building market is expected to see tremendous growth. Our goal is to help you Master the Smart Building Ecosystem.

“At 12.6% CAGR, the Smart Building Market Size projected to reach \$146B USD by 2026 ”

- Research firm: MarketWatch

Customer Spotlight: The Brandt Cos. [Watch now](#)


 Video: Client Perspective. [Watch now](#)

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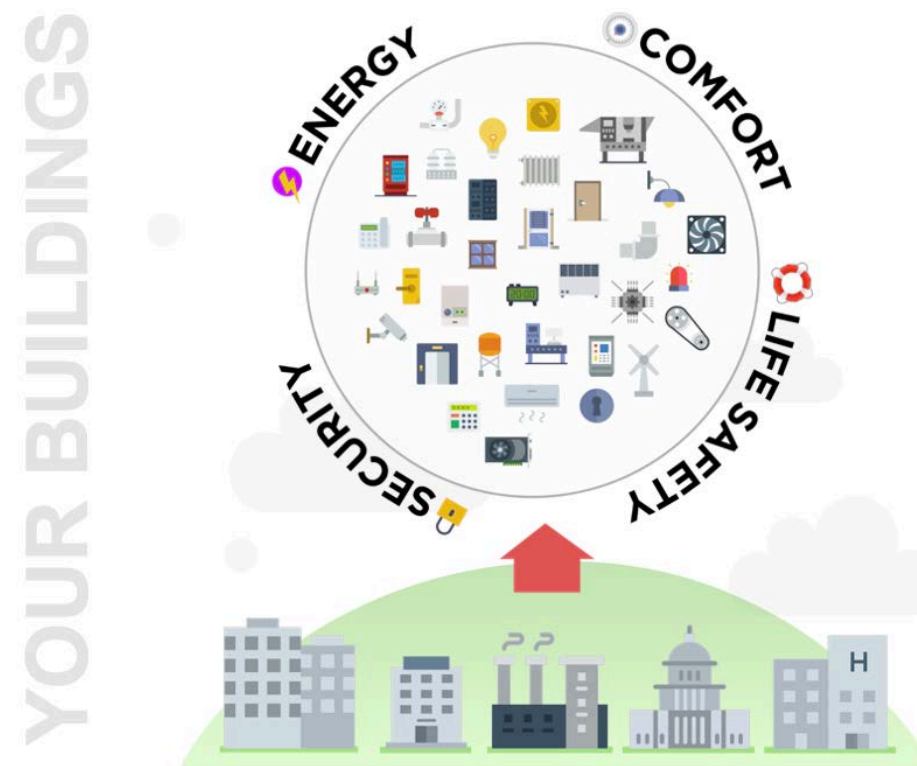


Smart Building Technology Has Huge Potential

With the cost of sensors, data storage, and connectivity all decreasing, we expect more mechanical service providers to begin implementing smart building platforms. This new breed of building intelligence solutions is changing-up the economics of the facility manager's world. Now, it's less expensive and easier than ever to realize net gains from the affordable, intelligent, building automation systems (BAS) that combine the Internet of Things (IoT). New smart building platforms offer several ways to both reduce expenses and improve property values, providing positive outcomes for all real estate stakeholders - investors, owners, asset managers, brokers, property managers and, of course, tenants - the ultimate customers. Building Automation Systems (BAS) alone are only one piece of the smart building ecosystem. It's true that a commercial building with a well-programmed BAS will run more efficiently, and have a healthier environment, than one without an automation system. But the capabilities of traditional BAS systems aren't advanced enough to help mitigate operational risks, solve complex problems with regard to facility operations, or take full advantage of new (IoT) technologies. And on its own, a BAS system also can't provide the support required to meet the energy challenges of the future.

 **MarketWatch:** At 12.6% CAGR, the Smart Building Market size projected to reach \$146B USD by 2026 [Read now >](#)

Mastering The Smart Building Ecosystem



The smart building market is expected to see tremendous growth over the coming years



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Predictive vs. Preventative Maintenance

Despite the priority and costs of maintaining building efficiency, most building owners/operators rely on reactive maintenance models as mechanical service providers. This means they wait until equipment fails or breaks completely before initiating corrective action. In fact, referring to reactive maintenance as “maintenance” is inaccurate. This is really just “repair.” Additionally, a predictive approach can be used to prioritize repairs and maintenance so that the most important systems are repaired first, ensuring the most profitable return on investment (ROI).

Our customers tell us Key2Act is transforming, strengthening, improving, and accelerating their business.

-  [Customer Spotlight: Hayes Mechanical Systems. Watch now >](#)
-  [Case Study: Smart Monitoring and Diagnostic System for RTU's. Download now >](#)

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Adopting a new kind of solution to fit smart buildings

IoT-enabled BAS can be used to reduce energy use, repair and maintenance, and administrative costs. For instance, property owners can use the data collected by motion and occupancy sensors at a building level to regulate air conditioning and lighting in real time, thereby reducing energy costs and optimizing the internal environment for its intended purpose. Mechanical Service Providers can also offer clear value to tenants, since the system could lead to lower energy bills. Especially in large sites, such as industrial zones, office parks, shopping malls, airports, or seaports, IoT can help reduce the cost of energy, spatial management, and building maintenance by up to 30 percent.

[Video: Mastering The Smart Building Ecosystem. Watch now >](#)

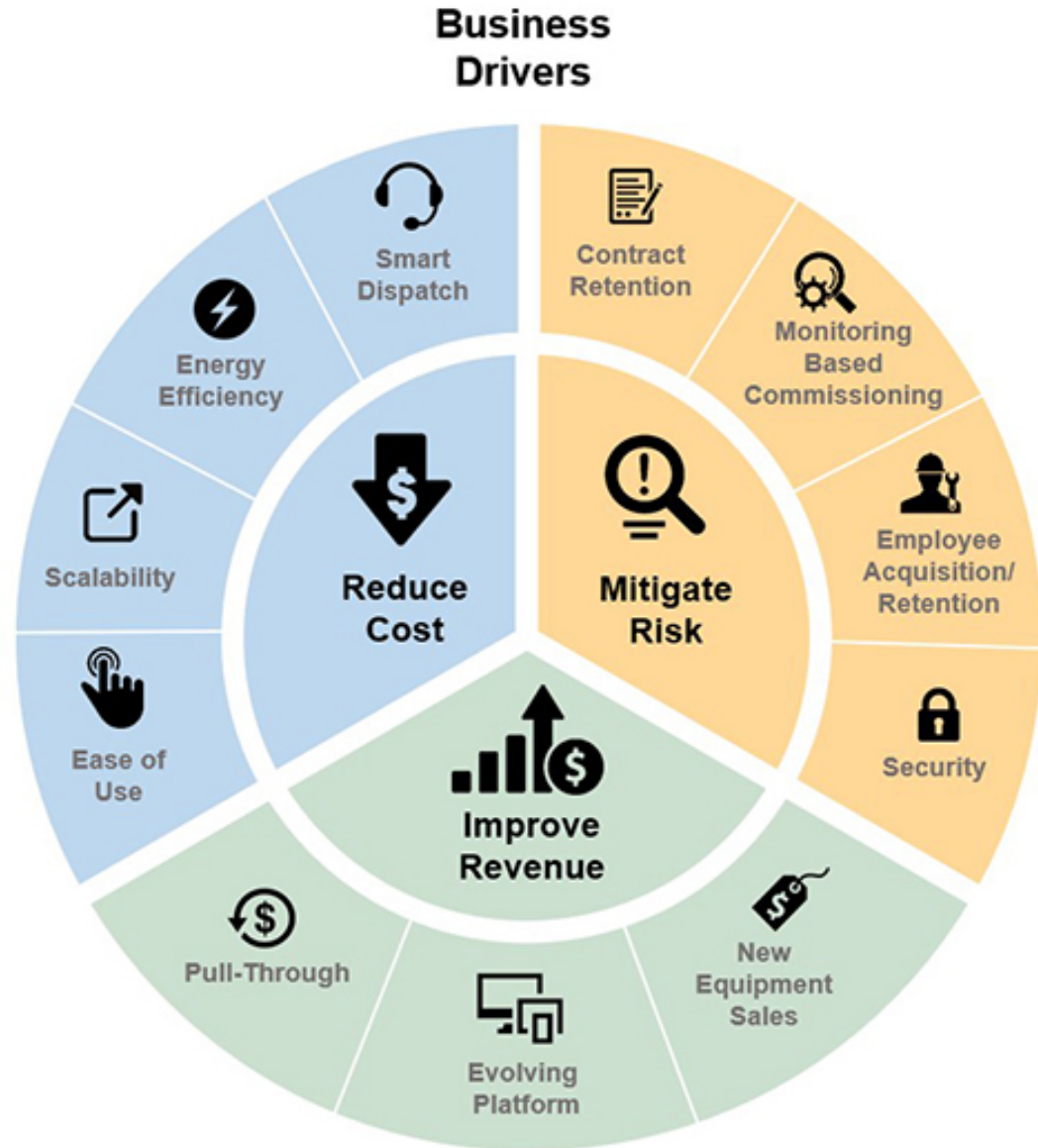


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Developing a Smart Building Strategy

Smart HVAC systems have the potential to greatly reduce energy consumption while maintaining or even improving occupant comfort. Smart building software interprets information from a variety of HVAC sensor points and maintains that information in real time, in a cloud-based system that is remotely accessible. These advanced controls can limit HVAC consumption in unoccupied building zones, detect and diagnose faults, and reduce HVAC usage during times of peak energy demand. Smart HVAC systems can also support sophisticated data analysis. Historically, building operators of a typical commercial building have been limited to reviewing rudimentary energy bill data. This form of data analysis is limited because the operator has reduced visibility into actual systems performance and interactions, often relying on month-old whole-building meter data. Armed with smart building data analytics, building operators can review historical building occupancy and usage on a granular level, receive performance data in real time and fine-tune the HVAC controls accordingly, thereby avoiding wasted HVAC usage.



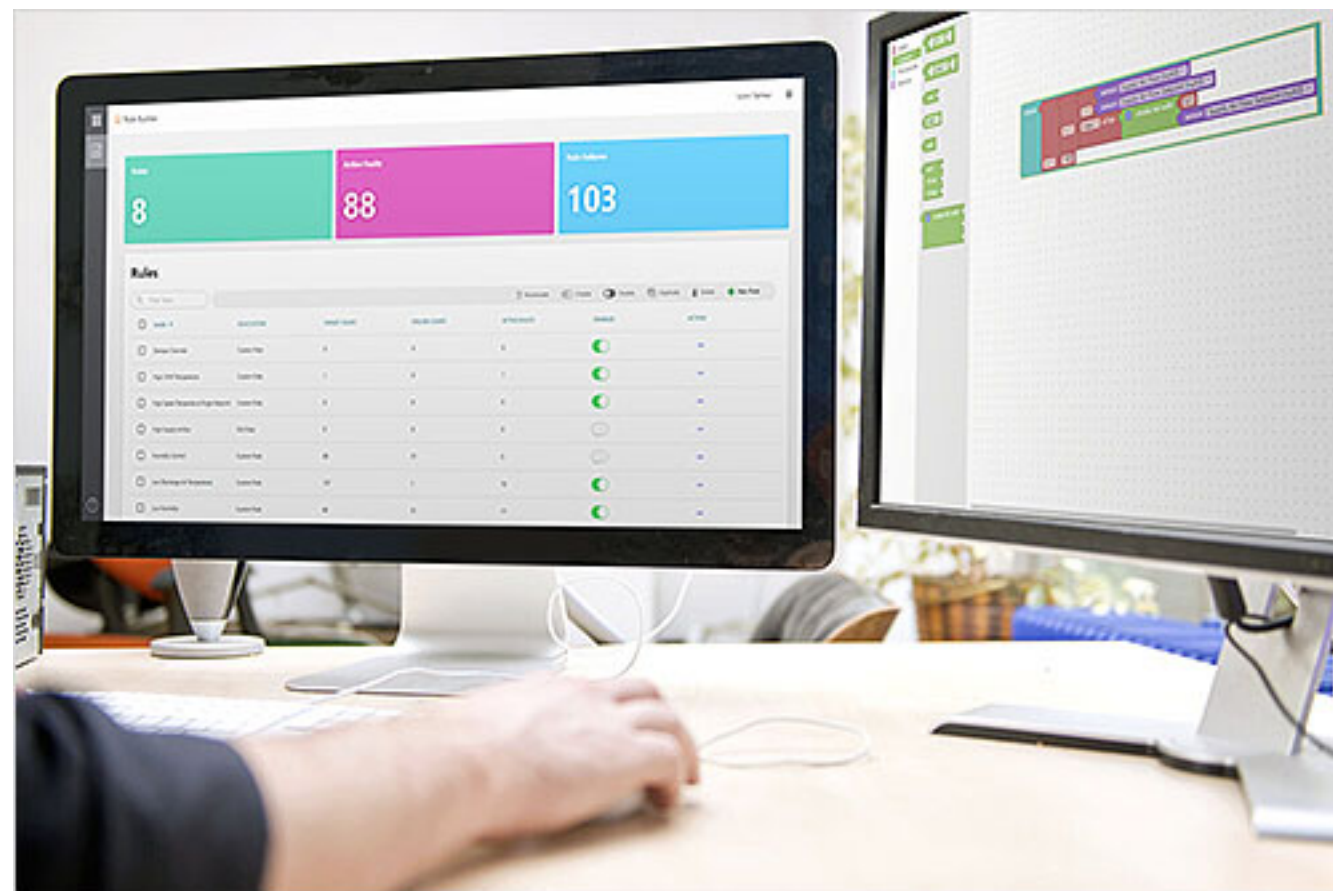
[Brochure: Mastering the Smart Building Ecosystem](#) [Download now >](#)

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Why Does This Matter?

- ❖ **Key2Act** provides advanced technology solutions that allow our clients to Master the Smart Building. We provide integration, normalization, fault detection/automation, and visualization of building data to generate insights including:
 - ❖ **Predictive Maintenance** - Maintain equipment based off of actual performance, not an arbitrary time frame.
 - ❖ **Monitoring Based Commissioning** - Ensure equipment is working as expected based off of a pre-built library of rules and/or the criteria that you choose and design.
 - ❖ **Energy Optimization** - Identify issues causing energy waste and resolve them quickly.
 - ❖ **Proactive Service** - Identify issues at the first sign and before they negatively impact comfort or operation





KEY2ACT®

Key2Act is the building intelligence, field service and construction management technology leader. We are a growing mix of experienced industry professionals and cutting-edge technologists. We believe our clients and their buildings come first. We define our success by how well our clients profitably compete.

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KEY2ACT®

Meet BOB™

Building Optimization Broker

Building Optimization Broker brings together building and service management data in one location, providing service management and contracting businesses a holistic view of the buildings, assets and clients they have under contract. Building Optimization Broker provides information that facilitates a proactive approach to building management in lieu of scheduled maintenance and fix on fail.



Integrate

IoT Hub



Normalize

Architect



Automate

Rule Builder



Visualize

Reporting



Communicate

Communications and Subscriptions



Mobilize

Service Management



[Please Click Here to schedule your Building Optimization Broker presentation.](#)



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