

Top Trending Smart Building Use Cases



1 Implement fault detection and diagnostics



Use advanced analytics to measure, monitor, and analyze operational parameters at an equipment level. This equipment-level awareness will allow the facility staff to improve operations by better predicting and anticipating expenditures related to maintaining, reconditioning, and replacing equipment.

2 Provide a frictionless experience for tenants and customers*



Integrate the building systems (e.g., access control, elevators, lighting, HVAC, etc.) that tenants or customers interact with to allow for a seamless experience as they move through a building.

3 Monitor Indoor Environmental Quality (IEQ)*



Install sensors to monitor indoor environmental metrics. Monitoring will empower building operators to remediate potentially hazardous conditions before they are noticeable to tenants or guests.

4 Utilize energy analytics to improve energy efficiency



Implement an advanced energy analytics platform that will analyze meter and operational data, providing insight into energy consumption and offering actionable recommendations to improve building operations. As anomalies are identified, the system will send alerts to implement policies and procedures to ensure data quality.

5 Track counts and locations of occupants to enhance building operations*



Utilize new or existing sensors to measure and record the total count of people entering, exiting, and moving through spaces. Integrate this data to the building's OT systems to enhance operations. Further, this data may be used to inform decisions to improve space utilization, or even improve the ROI on those spaces and associated amenities.

6 Control space conditions with occupancy data



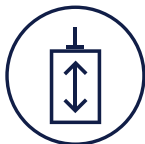
Connect live occupancy information to mechanical and electrical systems, creating the capability for the company to automatically manage HVAC and other energy-consuming resources. This live connection would provide the most energy-efficient space conditioning while ensuring occupant comfort.

7 Implement a flexible access control platform*



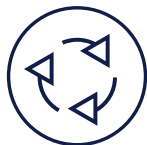
Develop a flexible platform to allow tenants and guests to use access cards, biometrics, mobile phones, or other technology for access control.

8 Integrate an elevator management system*



Use advanced elevator controls and access control systems to strategically deploy the elevators, improve service, decrease wasted energy, and enhance user experience.

9 Deploy Smart Waste



Companies and facilities teams can measure waste levels in real time by using systems and sensors. This allows facility teams to schedule trash removal on an as needed basis.

10 Dynamically schedule cleaning services based on occupancy*



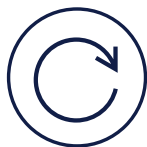
Utilize a means of occupancy tracking to schedule or clean in real-time based on occupancy levels. This can also be leveraged to ensure supplies are properly refilled.

11 Track total cost of ownership of assets for business decisions



Apply analytics to assets, building, and business applications to provide data for making total cost of ownership decisions on equipment and assets.

12 Use demand response analytics to increase efficiency



Integrate utility information into the building energy management system to optimize energy usage and provide automated demand response.

13 Deploy a tenant experience app to connect building occupants and visitors to building services and/or amenities*



Develop a platform to share building data with tenants and visitors, improving the user experience and providing useful insights. The platform could be used to send messages, assist with wayfinding, and request soft services or other conveniences.

14 Automated alarm communication to stakeholders



Deploy an automated messaging and communication platform that will push notifications to stakeholders when critical alarms occur within the building. This platform can allow two-way communication to ensure all stakeholders are kept informed.

15 Implement a guest management solution*



Automate guest registration, as well as check-in and check-out processes, to improve visitor experiences and ensure data is accurately captured for reporting.

16

Implement interior wayfinding system



Create and deploy a platform that provides tenants and guests the use of wayfinding to navigate a building.

17

Implement a unified user interface to consolidate OT systems and building graphics and dashboards



Provide a front-end that consolidates the graphical interface of OT systems and their data to allow for easy access, control, and overview.

18

Implement an interior wayfinding system to increase occupant experience



Install a network of sensors or beacons that either have a native wayfinding application or integrate with a third-party platform (e.g., mobile app) to provide tenants and guests a way to navigate the property.

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