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ABB Ltd.

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The simplest way to a smart building

ABB Ability™
Building Ecosystem

3AUA000080942 REV A 18.5.2010 #14995

Taking the first step towards a smart building doesn't need to be complex or expensive.

ABB Ability™ Building Ecosystem makes the journey simple by bringing together affordable, intuitive software, and open system hardware to give you total visibility across systems for better decision-making.

Easy to use, and understand, our intelligent digital solutions provide meaningful data that you can analyze and respond to in real-time. This helps you to reduce energy costs, bring down your operational expenditure and optimize space utilization and occupant comfort.

Smart buildings are the future

Smart building technology is no longer the domain of mega towers and corporate giant headquarters. ABB is committed to making powerful advances made by these digital-driven solutions accessible to owners of buildings of any scale, large or small.

Core building systems, and the seamless automation of a building's electrical and mechanical infrastructure, are where we've forged our reputation worldwide. And it's our ABB Ability™ technology that forms the cornerstone of our Smart Buildings product and services offering.

In the United States, buildings consume 41% of the nation's total energy use through lighting, HVAC, elevators, and the countless items plugged into sockets.[1]

ABB Ability™ Building Ecosystem helps to revolutionize the way data is used and transforms building management. Not just through greater energy efficiency and increased security, but also improved comfort and safety for occupants – with remote monitoring.

The way is now clear
A smart building enables:

Simple insights for decision-making

Simple routes to cost efficiencies

Simple, effective space management

Simple, achievable, sustainable outcomes

ABB Ability™ Building Ecosystem
The simplest way to a smart building

ABB Ability™ Building Ecosystem is a holistic suite of solutions that you can access easily via one unified portal online.

The digital solutions are easy to integrate as they're fully compatible with your existing open system infrastructure, helping you to break down building system silos. The solutions run on simple hardware – the Building Edge – and are powered by ABB's own open Building Operating System (openBOS).

Scalable and adaptable to your future needs, the modular nature of ABB Ability™ Building Ecosystem gives you the flexibility to choose what you'd like to use and only pay for the solutions that are applicable to your needs as they evolve.

Introducing...

BE Sustainable with Active Energy

Monitor and manage energy usage, emissions and costs by tracking utilities in real-time.

BE Space Efficient with Meeting Rooms

Optimize indoor environment and space utilization from a single solution.

BE Sustainable with Active Energy
The simplest way to improve energy efficiency

Active Energy is an energy management solution that makes it possible for you to measure and identify utility usage (electricity, water, gas and more) in real-time.

It's estimated that this tool could help reduce your building's energy consumption and emissions by up to 20%.

Instead of relying on utility bills to tell you how much energy you've used at the end of each month, Active Energy provides real-time data. Now you can make better decisions on how to improve your building's energy usage, reduce costs and emissions proactively by analyzing the performance of your building.

Active Energy can help you to meet your corporate sustainability goals. All of the metrics you need to prove efficient operation and obtain certification levels that comply with legislation and industry standards are already part of the solution.

It's also a tool that can be tailored to meet your specific business operation and keep track of your Key Performance Indicators (KPIs).

Energy management made easy

Active Energy delivers these advantages:

Data analytics

Organize and compare data to examine usage, emissions and costs using a single portal.

Predictive targets

Understand expected versus actual usage and track progress.

User-friendly

An intuitive digital interface that's easy to learn and use.

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BE Space Efficient with Meeting Rooms
The simplest way to flexible and healthy space optimization

Meeting Rooms enables you to rapidly respond to the changing needs of building occupants by monitoring energy use, assuring better air quality, tenant comfort and building safety.

You can manage facilities better with automation algorithms that are tailored to match how meeting rooms are used. The data collected gives you real-time insight into meeting spaces with capacity metrics that include heat maps, floor plans and occupancy so that comfort levels can be adjusted accordingly.

The Meeting Rooms solution allows you to make remote adjustments to room temperature, lighting and airflow to correct anomalies. Sensors in the room ensure that the HVAC system is turned-off when a window is opened. Temperature is adjusted and lights are switched off automatically when rooms aren't occupied. Monitoring and reporting helps save on energy costs by reducing the amount of energy used when rooms are unoccupied.

This intuitive digital solution can be seamlessly integrated with the Office 365 calendar interface for better space management.

Achieve better health and safety outcomes

Meeting Rooms opens the door to these benefits:

Healthy occupants

Improve comfort and productivity by conditioning the environment to match usage of meeting rooms through algorithms.

Safety first

Help to reduce and comply with health and safety regulations.

Prioritized cleaning

Receive alerts about spaces being used and prioritize the cleaning and sanitization of heavily-used spaces.

Acclimatized rooms

Preheat or pre-cool the space to ensure optimal temperature for the first meeting.

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This is just the first smart step

Our digital solutions offer you unrivaled flexibility that can be applied to one space or room at a time. Now you can transform your property portfolio into smart buildings at your own pace, and at a scale that suits each building's needs.

We're the ideal partner for your journey

Operating in over 100 countries, ABB has the global credentials, experience and know-how to support you every step of the way.

The focus on enhancing and protecting the wellbeing of occupants is now greater than ever before. ABB Ability™ Building Ecosystem is designed to deliver enormous benefits for building owners and occupants, not just for today but heading into the future.

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Talk to us about your next steps.
Visit buildings.ability.abb