



Smart Building Commissioning

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Energy costs and aging infrastructure remain key challenges.

Today's buildings consume a lot of energy, and they're getting older—so they are ripe for facility improvements that can enable lower operating costs, greater reliability, and capital investment avoidance.

But perhaps most importantly – building owners and facility directors alike are ready for opportunities to create the ideal places to work with improved working conditions and enhanced occupant experiences.

Existing building commissioning programs continue to evolve.

Smart Building Commissioning, a Siemens approach to Existing Building Commissioning, enables optimization of building systems and equipment to enhance performance and efficiencies. In fact, SBCx projects are capable of producing energy savings between 10 and 20%, and typically pay for themselves in about two years§.

Today, we recognize that all building systems and components can generate and process massive amounts of data; but data is only useful if it's transformed into action. What makes SBCx especially cost effective is its ability to harness the power of digitalization and use the data that's available to drive the commissioning process.

Through proper assessment and planning, smart building commissioning programs create a roadmap to maximizing building performance. A fragmented approach to maintaining facility performance can compromise the long-term health of your building. But an integrated, intelligent, and digital approach that combines one-time initiatives with ongoing services can reduce energy costs while enabling continuous performance improvements.

What facility directors are up against:



The average age of a U.S. commercial building is about 50 years*.



And buildings account for approximately 41% of all energy consumed in the U.S**.



11,000 people reach retirement age every day in the U.§§.

SBCx can save 10-20% of facility energy consumption and improve performance.

Sources:

*SMR Research

**buildinggreen.com

§ Building Commissioning Association

§§ Bureau of Labor Statistics

SIEMENS

Advancing the ways your facilities operate

Siemens Smart Building Commissioning (SBCx) is a modular building performance optimization program—driven by our Digital Services, including CloudFIMs and CloudOps— that advances the performance of your facilities. The program includes a variety of individual offerings that, when combined holistically, can offer a range of key benefits:

- Alignment of your existing building assets with the current needs of your business and facility
- Reduction of critical system failures and unexpected, costly downtime
- Extended equipment lifecycle, helping to reduce the effects of unplanned capital expenditures
- Improved performance of systems and spaces while minimizing hot/cold calls and other, similar comfort complaints
- Reduced operating costs and energy consumption

A modular approach to commissioning

We begin with a systematic process for investigating, analyzing, planning, and implementing low-cost improvements to building systems and spaces; these improvements can be applied throughout your facility or in a modular, phased approach that’s aligned with your business goals and objectives. SBCx from Siemens offers an alternative to traditional, system and building-wide commissioning in a way that enables a streamlined, efficient, holistic process.



Assessment

Here we assess the current state of your facilities and define our scope of work—including the application of digital tools—that will guide us moving forward.



Investigation

This step allows us to establish a baseline of performance and uncover precise issues your building systems face.



Implementation

We take corrective actions via our remote digital services; these can apply to mechanical, electrical, automation, and other building systems.



Hand-Off

Here we create required reports, data analysis, additional facility requirements, and recommendations to share with you.



Persistence

This phase takes over with monitoring-based commissioning (MBCx) and other digital strategies to continuously optimize systems and equipment.



Together, Siemens Smart Building Commissioning Program is designed to enable your building systems to perform interactively and meet the current facilities requirements.

Siemens is leading the smart building revolution

Today, Siemens delivers value through smart buildings in ways that were never possible before. We transform buildings into adaptive spaces that enhance business continuity through operational efficiency, minimize energy and deliver maintenance expenses, and energy intelligence.

In Siemens you have a trusted partner, one who understands the value of smart building technologies and how they can be applied.

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Order No. 153-SBT-1202
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