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SMART CITIES

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WELCOME TO BEYOND SMART BUILDING COMMISSIONING - SBCX

ONLINE TRAINING

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7. Persistence Phase SBCx



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NEXT



The objective of the hand-off phase is to ensure that facility staff and occupants have the understanding and documentation necessary to properly operate and maintain the changes and improvements made during the SBCx process, so the performance improvements persist over time. Tasks include updating and delivering key documentation, training staff, and planning for future ongoing commissioning (OCx) or monitoring-based commissioning efforts (MBCx).



Preparing Countries & Tomorrow's Commissioning Specialists

Learning Objectives

- Brief Introduction
- Persistence phase SBCx

Introduction

- The first order of business in the Persistence Phase is to review the facility Systems Manual and create or update a Facility Guide. The purpose of the Facility Guide is to establish and maintain criteria for systems performance and a normal routine for reviewing building mechanical, electrical and lighting systems. The Facility Guide is normally included in the Systems Manual.
- The CFR, SBCx Plan, and Diagnostic Plan can supplement the Facility Guide. The Guide can also include attached sections or references for field observation, calibration, operating instructions, and maintenance tasks for O&M Personnel.



Persistence Phase SBCX

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

The persistence phase of the project including:

- Performance monitoring (local or remote)
- Protocol for identifying and repairing CCMs that “drift” out of spec
- Process for continuing to look for further improvements to the building

Monitor Results of Documented Corrective Actions

- Monitor and report SBCx value to establish and validate the business case and support future Sustaining Phase investment.
- The Commissioning Team determines rigour and how SBCx programme actions are recorded and savings projected from the start.
- High-performance energy performance measures are adjusted for weather and occupancy by the CxP. Tracking operating log item cost savings and log item identification and resolution statistics are further options. SBCx project measurement and verification will depend on contracted performance objectives and client-specific business case needs.

Track operational improvements and energy savings. Operational savings include equipment life extension, decreased maintenance labour, safety enhancements, and other facility and maintenance benefits. Document qualitative improvements in O&M personnel engagement, morale, buy-in, staff development, and turnover.



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A stylized orange logo consisting of the letters "kp" in a cursive font, followed by a circular emblem containing a tree and a person.
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SUSTAINABILITY SPECIALIST

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