



BEYOND
SMART CITIES

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WELCOME TO BEYOND SMART BUILDING COMMISSIONING - SBCX

ONLINE TRAINING

KRISHNAJI PAWAR - CEO & FOUNDER



08

SUMMARY AND RESOURCES





Summary

- In point of fact, SBCx projects may save anywhere from 10 to 20 percent of the energy that they use, and they often pay for themselves in around two years' time.
- SMART Commissioning provides you with simple access to trustworthy data that helps benchmark for future study and comparison, and its reporting is meant to assist owners in better comprehending the performance efficiencies and possible savings.
- We are now aware that all building systems and components are able to collect and interpret huge quantities of data, but we also know that data is only helpful when it is put into action. The capacity of SBCx to harness the power of digitalization and make use of the data that is readily accessible to drive the commissioning process is what makes it one of the most cost-effective solutions available.
- Building commissioning programmes that are smart provide a strategy for making the most of a structure by ensuring that it is examined and designed in the most effective manner possible. A piecemeal approach to maintaining a building's good functioning may be detrimental to the structure's long-term health. Nevertheless, using an integrated, intelligent, and digital strategy that blends one-time projects with continuous services has the potential to bring down energy costs and make it feasible to continue increasing performance.

Course Outline

01

Introduction & Course Outline

This course explains the SMART building commissioning process and associated owner benefits.

04

Investigation - SBCx

The analysis phase of the project including:
Analyses of vetted CCMs.....

02

What is SMART Building Commissioning ?

Definition of SMART Building
Commissioning (SBCx) ,Scope and Purpose
of SBCx and Phases of NBCx

05

Implementation - SBCx

The change phase of the project including:
Implementation of vetted CCAs and CCMs
Verifying performance improvement

03

Smart Building Assessment - SBCx

A data-driven approach to the beginning
your commissioning project:
Remote/On-site Data Analysis
Identification of CFRs

06

Hand-off -SBCx

The project signoff and training phase of the
project including: Customer review of deliverables
Training of stakeholders....

Course Outline +

07

Persistence - SBCx

The persistence phase of the project including:
Performance monitoring (local or remote)

08

Summary and Resources

SBCx uses technology to improve
productivity and reduce risk. References and
resources

Who We Are



Beyond Smart Cities is the world's first marketplace for green technology. It connects millions of sustainability experts, green building experts, energy experts and commissioning experts with independent talent from all over the world.

Our mission is to build and support a global community of experts with the highest standards of professional practise in sustainability, green building, energy, commissioning and managing GHG emissions.

What We Do



Our aim is to assist the building commissioning sector and advocate for commissioning professionals who assure the best risk management, quality assurance, and resilience in new and ageing structures. We support building commissioning to create functioning buildings, establish best practises, shape industry regulations and standards, and provide a wide range of education and training.



Online specialist courses taught by the world's leading experts. Empowering each specialist for success.

Whether you're a commissioning provider or a building industry stakeholder, we have online courses that will help you start, expand, or refresh your knowledge of the commissioning process and technical applications.

Question Bank questions are multiple-choice. 500+ simulated questions can help students pass the exam. The latest CCP, ACP, BCxP, CxA and CBCP tests are simulation-compatible.



Resources

- Building Commissioning Handbook, third edition (2017): Building Commissioning Association/APPA: Chapter 4, EBCx and Appendix 1-1, “How to Hire a Commissioning Team”
- ASHRAE Standard 202-2018: Commissioning Process for Buildings and Systems ASHRAE Guideline 0.2-2015: Commissioning Process for Existing Building Systems and Assemblies
- ASHRAE Guideline 1.2-2019: Technical Requirements for the Commissioning Process for Existing HVAC&R Systems and Assemblies
- ASHRAE/BCxA Commissioning Stakeholders Guide (including QBS section)
- <https://new.siemens.com/us/en/products/buildingtechnologies/energy/energy-efficiency/building-commissioning.html>



THANK YOU

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