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WELCOME TO ADVANCED EXISTING BUILDING COMMISSIONING

ONLINE TRAINING

KRISHNAJI PAWAR - CEO & FOUNDER





BEYOND
SMART CITIES

ADVANCED EBCX

COMMISSIONING SPECIALIST CURRICULUM

KRISHNAJI PAWAR, CEO AND FOUNDER

01

Introduction and Course Outline

SECTION - INTRODUCTION





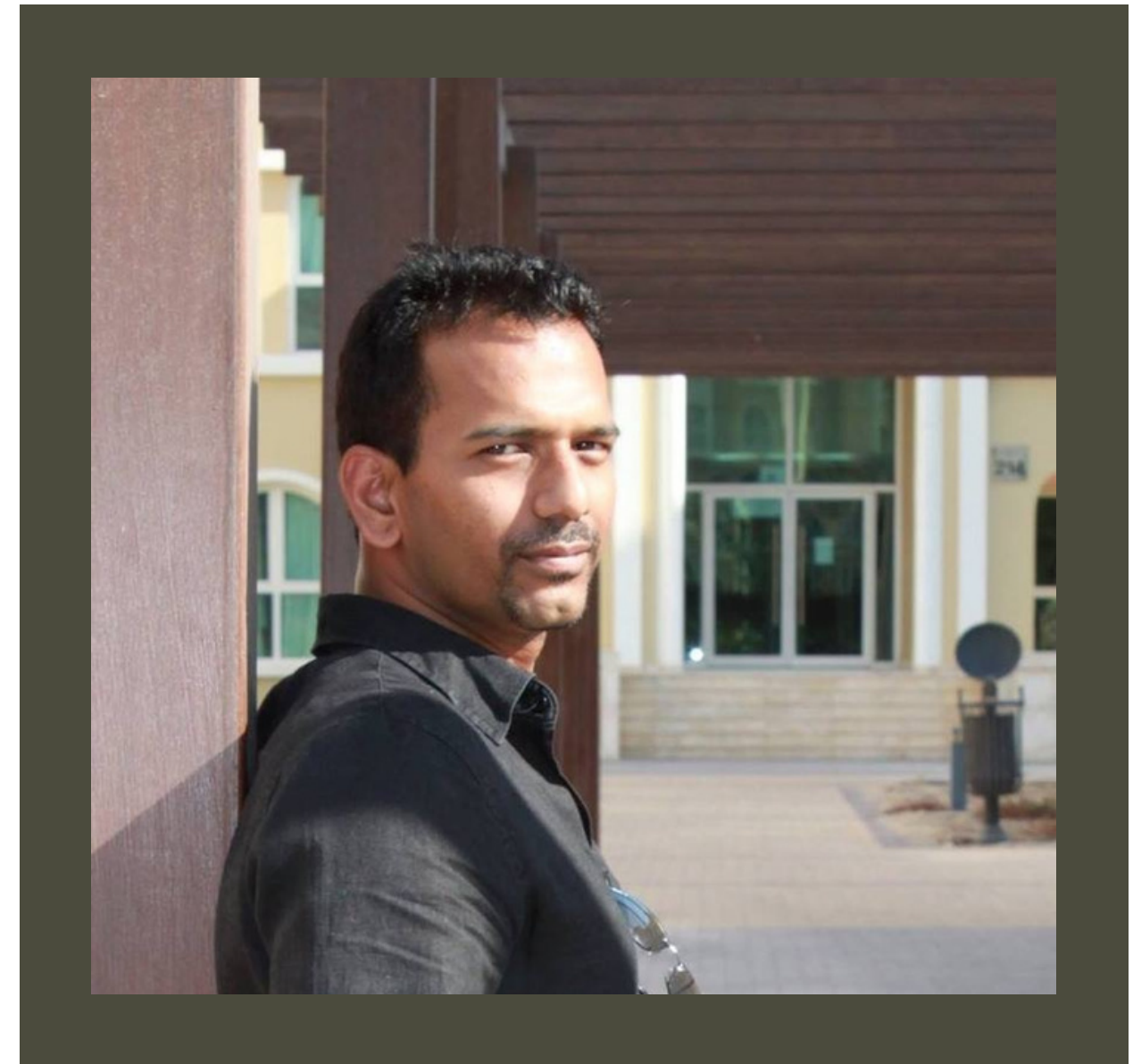
My Story

WHY I CREATED THIS COURSE

Krishnaji Pawar is the founder and CEO of Beyond Smart Cities, a sustainability and energy & Environmental Consultancy that specializes in developing sustainable design strategies for Green Building Certification Systems (LEED, GSAS). He is currently responsible for 3,767 million square feet Green Building /Energy modeling Consulting since 2007 in UAE, India and Qatar, and has been at Green Building Technology platform since 2007. He is known for his bold leadership and commitment to creating economic opportunities, and is committed to building a sustainable, high-performing business that delivers on that mission.

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WELCOME TO OUR ONLINE COURSE

The Advanced Existing Building Commissioning training course covers all the stages of the existing building commissioning process, namely: planning, investigation, implementation, handover, and monitoring. These stages are presented in detail to allow trainees to develop a coherent understanding of the entire process and reap all the anticipated benefits.

[LEARN MORE](#)





Welcome to our Online Course +

- EBCx improves existing buildings! Existing building commissioning projects have grown in popularity as a way to identify low- or no-cost operational improvements that can improve occupant comfort and save energy. Existing building commissioning can be done alone or with renovation or modernisation.
- The Advanced Course on Existing Building Commissioning covers planning, investigation, implementation, handover, and monitoring. To help learners understand and profit from the entire process, these steps are detailed. The fundamental concepts of developing mechanical systems and effective practises for testing and verification will help participants understand the inquiry stage.
- The EBCx course will teach energy consultants and programme or project managers how to commission existing buildings and preserve their benefits over the building's lifespan. This course also discusses third-party energy monitoring.
- This course covers "best" existing building commissioning (EBCx) approaches. "Best" practises go beyond laws. EBCx Best Practises complements ASHRAE Guideline 0.22015: Commissioning Process for Existing Building Systems and Assemblies, the Commissioning Stakeholders Handbook, and other "how to" commissioning publications.

What you will learn in this Course

THE KEY TAKEAWAYS FOR THE COURSE

- ✓ The method's four steps Process currently in place for commissioning existing buildings
- ✓ Methods that are effective for discovering issues while working with building staff.
- ✓ Calculations of energy savings and savings depending on the system.
- ✓ How to put the EBCx measures into action
- ✓ Documentation with a specific focus
- ✓ Best practises for ongoing commissioning



Course Outline

01

Introduction & Course Outline

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

02

What is Building Existing Commissioning?

Definition of Existing Building Commissioning (EBCx) ,Scope and Purpose of EBCx and Phases of EBCx1

03

Planning Phase EBCx

Early project documentation and planning meetings to establish EBCx goals, facilities requirements, and plan.

04

Initial Assessment Phase EBCx

First walk-through to note and check current use and occupancy, condition of systems and equipment, known issues, anticipated issues, interview building employees and inhabitants, and produce an initial EBCx Plan.

05

InvestigationPhase EBCx

Field observation and testing of system and equipment operation, interviewing facility workers, reviewing equipment and building documentation, reviewing and confirming preventative maintenance plans,

06

Implementation EBCx

Implementing energy saving and facility improvement measures, commissioning, and verifying results and performance through documented trending and post-implementation testing and data measurement.

Course Outline +

07

Hand-off Phase EBCx

Systematic transition from a commissioning activity and commissioning team to normal operating practice and the operations and maintenance (O&M) team;

08

Ongoing Commissioning

The continuous process that helps to monitor and ensure effective and efficient building performance over its lifecycle.

09

Summary and Resources

EBCx aims to make building systems interact to satisfy CFR and owner project goals and give tools for continuing commissioning (OCx), performance tracking, and system performance optimisation.



VISION & MISSION

01. Vision

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

"EDUCATING THE NATIONS AND THE FUTURE COMMISSIONING EXPERTS"

02. Mission

Our mission is to build and support a global community of experts with the highest standards of professional practice in sustainability, green building, energy, commissioning, the environment, health & safety, fire safety, climate change, GHG accounting, carbon auditing, and managing GHG emissions.

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THANK YOU

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