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PRE-DESIGN-PHASE COMMISSIONING PROCESS

ONLINE PROFESSIONAL COURSES LED BY THE
WORLD'S TOP SPECIALISTS

ONLINE TRAINING BY KRISHNAJI PAWAR

LEED AP(BD+C), GSAS CGP, GCP, ISO 14001

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MODULE
8

Summary and Resources

KRISHNAJI PAWAR - CEO & FOUNDER

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Learning Objectives

- Introduction
- Benefits of Early CxA Participation
- Selecting the Commissioning Authority
- The Advertisement
- Owner's Project Requirements (OPR)
- Commissioning Plan
- Communications Plan
- Project Budget
- Commissioning Authority Agreement
- Selection of the Design Professional & Agreement
- Pre-Design Phase Overview
- Commissioning Meetings
- Which building systems are to be commissioned?



IN SUMMARY

- The predesign phase of a new building project is likely to be the one that has had the least formality heretofore—at least formality in the sense that the predesign phase is an important part of the overall, larger quality assurance program.
- Often, inadequate attention is paid to the predesign period for a new building project.
- When owners recognize the value of developing a comprehensive commissioning quality assurance program, they soon begin to realize the importance of developing a predesign process.
- Previous lectures in this course discussed the benefits of commissioning. for the principal participants in the process: the owner, design professional, and contractor.
- It is also important to recognize the increased value of engaging the commissioning authority early in the predesign or design phases of the project versus only during the construction phase.



BRIEF ABOUT ME

Krishnaji PAWAR

CEO & FOUNDER

Krishnaji Pawar is founder and CEO of Beyond Smart Cities. Before being named CEO in January 2020, Krishnaji held leadership roles at Beyond Smart Cities in both Sustainability ,Energy & Environmental Consultancy.

Specialized in developing sustainable design strategies for Green Building Certification Systems (LEED, GSAS, etc.), Energy & Water Conservation, Commissioning, Environmental Impact Assessment & Environmental Management Systems.

Currently responsible for 3,787 million square feet Green Building /Energy modeling Consulting since January 2008 in UAE, India and Qatar.



WELCOME TO BEYOND SMART CITIES

Beyond Smart Cities is the world's 1st Green Technology Marketplace, connecting millions of Sustainability Specialists, Green Building Specialists, Energy Specialists, Commissioning Specialists, Environment Specialists, Health & Safety Specialists, Fire Safety Specialists, Climate Change Specialists & Green Products/Technology Manufacturers with independent talent around the globe.

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

RESOURCES FOR FURTHER RESEARCH

- 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)





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