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COMMISSIONING CERTIFIED PROFESSIONAL

CXCP OVERVIEW

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MODULE

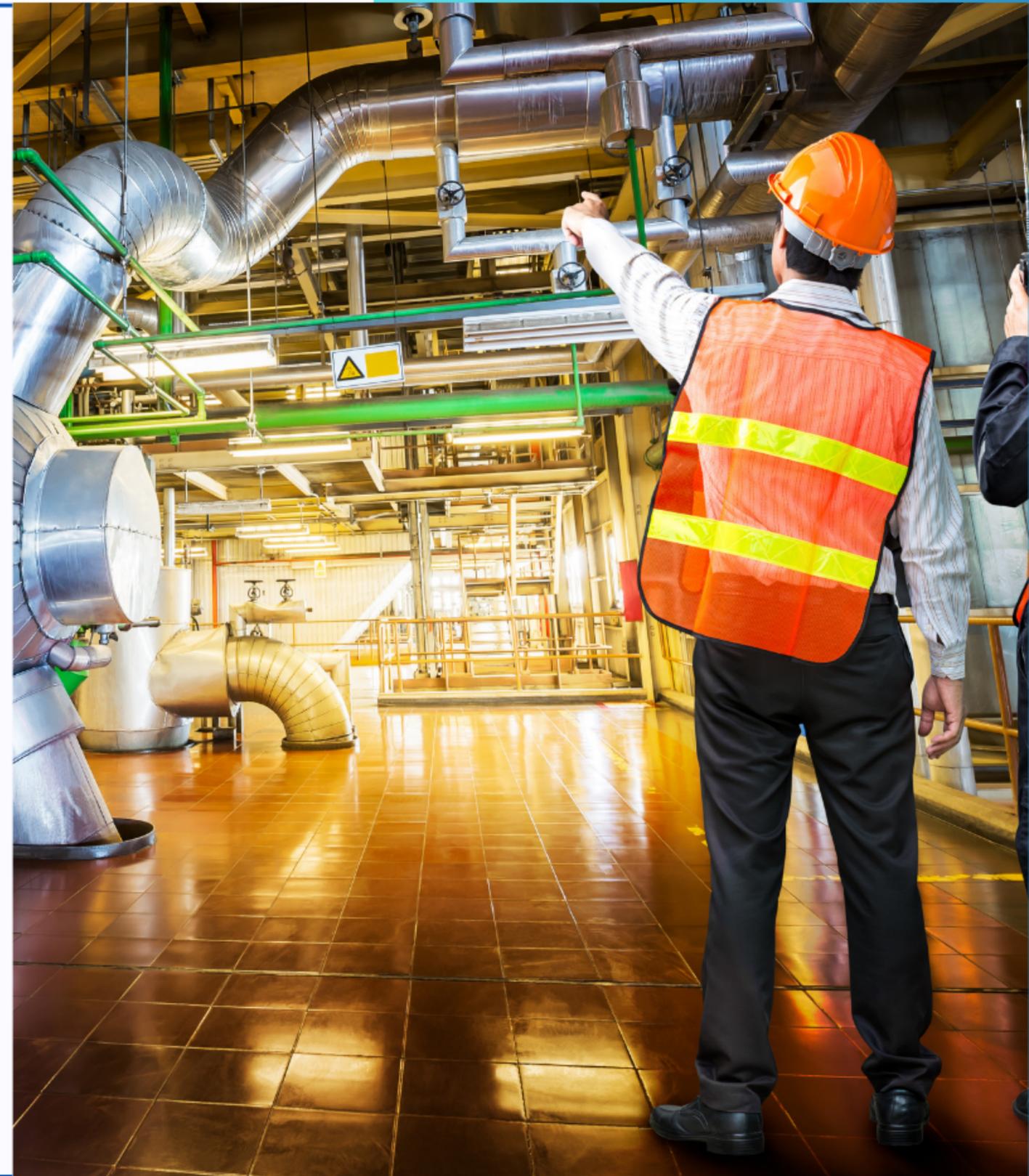
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Commissioning Team Role & Responsibilities

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COMMISSIONING CERTIFIED PROFESSIONAL CXCP OVERVIEW

Building System Commissioning (Cx) is a structured process that ensures a building's systems are designed, installed, and function according to the owner's project requirements. The National Environmental Balancing Bureau (NEBB) provides a framework for this process, emphasizing the importance of a systematic approach to achieving optimal building performance. The commissioning team, which typically comprises a diverse group of professionals, plays a pivotal role in overseeing the commissioning activities from inception to completion.

Learning Objectives

- Course Overview and Introduction
- Definition and History of Building Commissioning
- Why is building commissioning needed?
- Commissioning Process Overview
- CP roles, responsibilities, and professional qualifications
- Cost and benefits of System Commissioning
- Commissioning Team Role & Responsibilities
- Summary and Resources
- CxCP Exam Sample Question



INTRODUCTION

- NEBB Building System Commissioning (Cx) is a structured process that ensures a building's systems are designed, installed, and function according to the owner's project requirements.
- The commissioning team plays a pivotal role in overseeing the commissioning activities from inception to completion.

The Commissioning Team: Definition and Composition

- The team comprises a diverse group of professionals, each bringing unique expertise to the commissioning process.
- Core members include the Commissioning Authority (CxA), Project Manager, Design Engineers, Construction Manager, and Operation and Maintenance (O&M) Personnel.

KEY ROLES AND RESPONSIBILITIES



- The Commissioning Authority (CxA): Establishes Commissioning Goals, develops the Commissioning Plan, facilitates communication, and verifies and validates systems.
- The Project Manager: Coordinates project schedules, resources, and communication among stakeholders.
- Design Engineers: Creates systems that meet established performance criteria, evaluates specifications and drawings, collaborates with the CxA and other team members, and assists in identifying design flaws.

CONSTRUCTION MANAGER

Oversees the physical construction of the building and its systems, ensures quality control, manages subcontractors, and maintains accurate records of construction activities.



OPERATION AND MAINTENANCE (O&M) PERSONNEL:

Provides feedback on system performance, educates staff on proper operation and maintenance of building systems, and assists in creating O&M manuals.



CONCLUSION

The commissioning team plays an essential role in the successful implementation of NEBB Building System Commissioning, contributing to a process that meets project specifications and enhances building performance and occupant satisfaction.





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