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**BEYOND SMART CITIES**



**B**  **YOND**

**S M A R T C I T I E S**

**CERTIFIED DECARBONIZATION**

**PROFESSIONAL - CDP OVERVIEW**

**ONLINE TRAINING BY KRISHNAJI PAWAR**

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

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MODULE  
**7**

# Summary and Resources

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# Learning Objectives

- Introduction
- Climate change and sectoral decarbonization approaches
- Strategies for a decarbonization-built environment
- Building Operational and Embodied Carbon, Kyoto Protocol, and Beyond.
- Professional certification for decarbonization audits
- Carbon, Sustainability, and GHG accounting
- Summary and Resources
- ASHRAE CDP Practice Test V.4.1: Test Your Knowledge!



## INTRODUCTION

- Building decarbonization aims to reduce greenhouse gas (GHG) emissions from buildings throughout their life cycle.
- Primary sources of GHG emissions include construction, energy use, methane, and refrigerants.
- Rising GHG emissions are the primary cause of climate change.
- Continuous efforts to reduce GHG emissions through legal and technical methods are required.
- The ASHRAE Certified Decarbonization Professional (CDP) certification equips professionals with knowledge and skills to contribute to building decarbonization goals.
- The program validates job competency in internationally recognized technical information.

# SUMMARY +

- The goal is to either reduce or eliminate the life-cycle carbon footprint of buildings.
- Companies should adopt carbon-reducing measures immediately to address environmental issues.
- Energy consumption is a significant contributor to carbon emissions, so incorporating energy-conservation practices can help minimize carbon footprints.



# RESOURCES

- <https://learn.beyondsmartcities.in/courses/building-energy-assessment-professional-beap/>
- <https://beyondsmartcities.in/category/green-building-technology>
- <https://ghgprotocol.org/standards>
- BSI. "[Application of PAS 2070 – London, United Kingdom: An assessment of greenhouse gas emissions of a city.](http://shop.bsigroup.com/upload/PAS2070_case_study_bookmarked.pdf)" 2014. [http://shop.bsigroup.com/upload/PAS2070\\_case\\_study\\_bookmarked.pdf](http://shop.bsigroup.com/upload/PAS2070_case_study_bookmarked.pdf).
- [Greenhouse Gas Protocol Corporate Accounting and Reporting Standard \(revised edition\)](#).
- [Chapter 2: Business Goals & Inventory Design](#).
- "[Getting Ahead of the Curve: Corporate Strategies Addressing Climate Change](#)" by Andrew J. Hoffman.
- <https://ghgprotocol.org/guidance-0>
- <https://www.ashrae.org>





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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.

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# THANK YOU





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