
BEYOND
SMART CITIES
GREEN BUILDING SPECIALIST
BEYOND SMART CITIES
welcome to
BEYOND SMART CITIES


BEYOND
SMART CITIES
LEED AP BUILDING DESIGN + CONSTRUCTION
LEED AP BD+C OVERVIEW
ONLINE TRAINING BY KRISHNAJI PAWAR
LEED AP(BD+C),GSAS CGP,GCP,ISO 14001
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MODULE 5

LEED Green Building Rating System

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LEED BD+C OVERVIEW

This lecture discusses the LEED building certification program, covering all building types and phases, including new construction, interior fit-outs, operations, maintenance, and core/shell.

Learning Objectives

- Introduction
- Knowing the Process of LEED Credentialing
- Basic Concepts of Sustainable Design
- Organizational Fundamentals
- LEED Green Building Rating System
- Reasons to Become LEED Accredited
- Getting a LEED BD+C Credential
- Summary and Resources
- LEED AP BD+C Quiz: Test Your Knowledge!

BEYOND SMART CITIES

INTRODUCTION

- Suitable for all building types and phases.
- Includes new construction, interior fit outs, operations, maintenance, and core/shell.
- Developed by USGBC to measure building performance.
- Framework for identifying, implementing, and measuring green building and neighborhood design, construction, operations, and maintenance.

LEED SYSTEM GOALS

- Addresses climate change and ESG goals.
- Enhances resilience and supports equitable communities.
- Focuses on the big picture, considering all critical elements.
- Aims to reduce global climate change contribution.
- Enhances individual human health.
- Protects and restores water resources.
- Protects and enhances biodiversity and ecosystem services.
- Promotes sustainable material cycles.
- Enhances community quality of life.



A LEED for every project

LEED is for all building types and all building phases including new construction, interior fit outs, operations and maintenance and core and shell.

Check out our interactive Discover LEED tool to get started; then, use the rating system selection guidance to select a rating system.



Building Design and Construction (BD+C)

For new construction or major renovations. Includes New Construction and Core & Shell, and also includes applications for Schools, Retail, Hospitality, Data Centers, Warehouses & Distribution Centers and Healthcare.

LEED v4 BD+C rating system PDF
LEED v4 BD+C scorecard
Reference guide overview

Learn more →



Interior Design and Construction (ID+C)

For complete interior fit-out projects. Includes Commercial Interiors, and also includes applications for Retail and Hospitality.

LEED v4 ID+C rating system PDF
LEED v4 ID+C scorecard
Reference guide overview

Learn more →



Building Operations and Maintenance (O+M)

For existing buildings that are undergoing improvement work or little to no construction. Includes Existing Buildings, and also includes applications for Schools, Retail, Hospitality, Data Centers, and Warehouses & Distribution Centers.

LEED v4 O+M rating system PDF
LEED v4 O+M scorecard
Reference guide overview

Learn more →



Neighborhood Development (ND)

For new land development projects or redevelopment projects containing residential uses, nonresidential uses, or a mix. Projects can be at any stage of the development process, from conceptual planning to construction. Includes Plan and Built Project.

LEED v4 ND rating system PDF
LEED v4 ND scorecard
Reference guide overview

Learn more →



Homes

For single family homes, low-rise multi-family (one to three stories) or mid-rise multi-family (four or more). Includes Homes, Multifamily Lowrise, Multifamily Midrise. Homes and residential buildings that are greater than four stories may also use LEED BD+C.

LEED v4 Homes rating system PDF
LEED v4 Homes scorecard
Reference guide overview

Learn more →



Cities

For entire cities and sub-sections of a city. LEED for Cities projects can measure and manage their city's water consumption, energy use, waste, transportation and human experience.

Existing Cities and Communities scorecard
New Places (Plan and Design Phase) scorecard
Guide to LEED Certification: Cities and Communities Pilot

Learn more →



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PRINCIPLES

+ Scale for greatest impact.
+ Decarbonize the building industry swiftly to reflect the urgency of the climate crisis.
+ Inspire and recognize adaptive and resilient built environments.
+ Invest in human health and well-being.
+ Create environments in which diversity, equity and inclusivity thrive.
+ Support flourishing ecosystems through regenerative development practices.

HOW LEED WORKS

LEED Certification Process

- Projects earn points by adhering to prerequisites and credits.
- Projects undergo verification and review by GBCI.
- Points correspond to LEED certification levels: Certified (40-49 points), Silver (50-59 points), Gold (60-79 points), and Platinum (80+ points).



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LEED AP BD+C EXAM QUESTION BANK

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THANK YOU

