

BEYOND

SMART CITIES

LOCATION AND TRANSPORTATION - GREEN BUILDING TECHNOLOGY TRAINING PROGRAM

FOR GREEN BUILDING AND SUSTAINABILITY SPECIALISTS

KRISHNAJI PAWAR, LEED AP BD+C, GSAS CGP, ISO 14001:2015, GCP

GREEN BUILDING SPECIALIST CURRICULUM

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INTRODUCTION AND COURSE OUTLINE

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ONLINE TRAINING PROGRAM

LOCATION AND TRANSPORTATION

GREEN BUILDING TECHNOLOGY

GREEN BUILDING SPECIALIST

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LEARNING OBJECTIVES



Understand the advantages of holistically considering project site and transportation.

Recognise the significance of obtaining LT credits early and the choices available following site selection.

Recognise synergy among numerous credits

Articulate the requirements of specific LEED v4 LT BD+C/ID+C credits

Discover how credit requirements result in enhanced building performance and market transformation.



WHO SHOULD ATTEND

Individuals seeking a greater understanding of Location and Transportation category ,LEED credits, and implementation criteria

Implementation of location and transportation credit for Green Buildings seeking LEED Certification

Explore the LEED v4.1 Location & Transportation credits, which encourage project teams to utilize infrastructure aspects in existing communities that offer environmental and human health advantages.

This course is designed to provide students with information, techniques, and current approaches pertaining to Location & Transportation credits.



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**GET READY TO EARN
LOCATION AND TRANSPORTATION - GREEN
BUILDING TECHNOLOGY AND ENROL NOW!**



LOCATION AND TRANSPORTATION

This course will address the significance of location and transportation aspects, as well as their effects on the design of green buildings. The placement of a green building project should first encourage smart growth, which is a method that protects undeveloped lands and contributes to the development of projects near employment, schools, stores, and other diversified purposes.

The Location and Transportation category is concerned with the impact of the proposed development's design on surrounding buildings, properties, neighbourhoods, and the greater urban community.

In addition to enhancing the growth of neighbourhoods and communities, sustainable urban practices reduce the environmental implications of climate change, fossil fuel depletion, water depletion and pollution, air pollution, land use and contamination, and human comfort and health.

ROLE OF TRANSPORTATION IN SUSTAINABLE BUILDINGS

Since transportation contributes 25% of all greenhouse gas emissions globally, it is crucial to undertake reductions in this industry. Several tactics are accessible to green building consultants in this regard, all as a part of a sustainable real estate development or sustainable renovation project.

In a sustainable real estate development, early choices like site selection and location, or implementing a local procurement strategy, as well as integrating Active Travel facilities, providing green parking facilities, and tracking commuter emissions in the operational phase, will have real-world emission impacts from Day One.

As sustainable building consultants, here we discuss each of these topics in turn in order to offer the reader with a brief understanding of the role transportation plays in the green construction sector.

GREEN BUILDINGS AND TRANSPORTATION

What does a building have to do with transportation if it doesn't move? Plenty. Although the zoning, development of highways and streets, establishment of transit routes, and connection of streets are matters over which green building designers, builders, and developers have little control, they have excellent cause to be concerned about transportation. They also contribute significantly to improving transportation effectiveness.

Because buildings and transportation together account for 69% of all greenhouse gas emissions in the US 40% and 29%, respectively green building specialists should take transportation into consideration. The energy required for all employees to travel to and from large office buildings may be larger than the energy required to run the facility itself. Urban sprawl and the way we locate and utilize our buildings are primarily to blame for this extreme example of the impact of the building/transportation interface on greenhouse gas emissions.

WHY IS THIS IMPORTANT FOR BUILDINGS?

Location is a crucial component of green building practice, as how people and goods get to and from the site affects the environmental performance of the building and its occupants.

Choosing a location that offers transportation options and a variety of nearby destinations:
Protects air and water quality by reducing the distance people have to drive and making it easier to walk, bike, or take public transit.

Preserves open space, farmland, and natural lands by building on or near already-developed sites.

Saves money and resources by using existing infrastructure.

WHY IS THIS IMPORTANT FOR BUILDINGS?

A location-efficient site is well-connected to the larger region and close to amenities such as employment centres, shops, restaurants, schools, and services. A site that has good transportation connections to the rest of the region can attract businesses that want easier access to customers and workers, and residents who want to be able to reach more jobs.

Location-efficient sites are often in previously developed areas already served by infrastructure. Building in previously developed areas reduces the need for new streets, utility lines, water pipes, and other infrastructure. It can also spur neighbourhood revitalisation by reusing and renovating existing structures. Historic buildings, vacant properties, brownfields, and grey fields can be transformed into a green development that supports the local economy and strengthens the community's character.



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THANK YOU

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