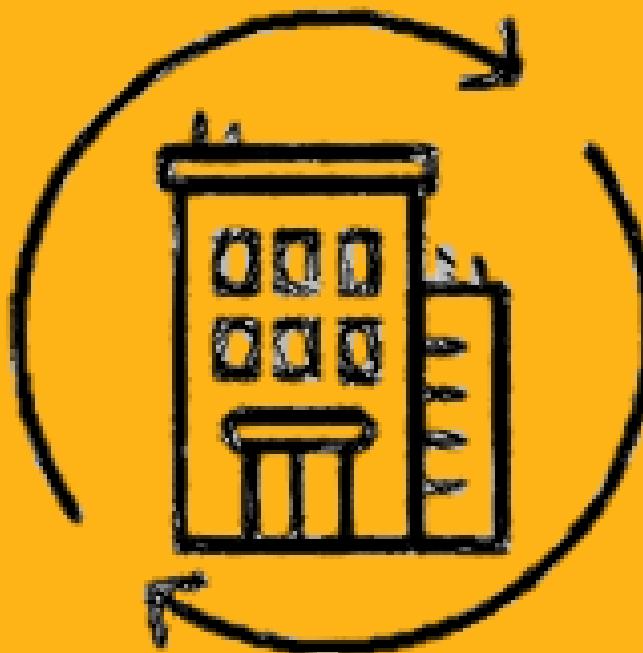


LEED



ID+C



# LEED

Leadership in Environmental and Energy Design (LEED)

- ✓ The most widely used green building rating system in the world
- ✓ Addresses all current topics:
  - Energy conservation
  - Water conservation and efficiency
  - Carbon dioxide (CO<sub>2</sub>) emission reduction
  - Indoor air quality improvement
  - Resource Management and awareness of their impacts
- ✓ Provides third-party certification (GBCI) that a building or community was designed and built using strategies aimed at improving its performance

## LEED RATING SYSTEMS

- Building Design and Construction (BD+C)
- Interior Design and Construction (ID+C)
- Operations and Maintenance (O+M)
- Neighborhood Development (ND)
- Cities and Communities

## LEED Certification

- ✓ 3 Minimum Program Requirements (MPRs), that must be met for any project to be eligible for LEED certification
- ✓ Number of Credit Categories: 9 for LEED BD+C & O+M, 8 for LEED ID+C, 4 for LEED ND
- ✓ Each Category includes Prerequisites Credits
- ✓ In order for a property to be certified, it must meet ALL the Prerequisites
- ✓ Each Credit gives specific points, the standard in total gives 110 points
- ✓ The certification level of the building is determined based on the total number of points earned according to the table below:
  - Certified min 40 points
  - Silver min 50 points
  - Gold min 60 points
  - Platinum min 80 points



## LEED CREDIT CATEGORIES<sup>1</sup>

Integrative Process (IP)<sup>2</sup>

Location and Transportation (LT)

Sustainable Sites (SS)<sup>3</sup>

Water Efficiency (WE)

Energy & Atmosphere (EA)

Materials and Resources (MR)

Indoor Environmental Quality (IEQ)

Innovation (IN)

Regional Priority (RP)

1. LEED ND & Cities and Communities are excluded

2. Not applicable to LEED O+M

3. Not applicable to LEED ID+C



# LEED BD+C: Commercial

(Building Design and Construction)

Applicable to the design & construction phase of a new building or a building's major renovation.

- ✓ Available for virtually all building types, with minor adjustments to the type of use. These are:

- New Construction/ Major Renovation (includes all building types that do not fall into the following subcategories)
- Core & Shell – refers to buildings that are less than 60% complete
- Retail
- Schools
- Healthcare
- Hospitality
- Warehouses & Distribution Centers
- Data Centers

# LEED BD+C: Homes

(Building Design and Construction)

Designed for residential buildings, it concerns the design and construction phase of a new building or a building's major renovation phase.

- ✓ It is divided into:

- Homes and Multifamily Lowrise
- Multifamily Midrise up to 8 floors
- Multifamily buildings of more floors are included in BD+C: New Construction

# LEED ND

(Neighborhood Development)

Applicable to the development of a new or existing sustainable neighborhood, that includes residential or non-residential buildings or both.

- ✓ It is subdivided into:



- Design – concerns projects from schematic design to their construction
- Existing projects

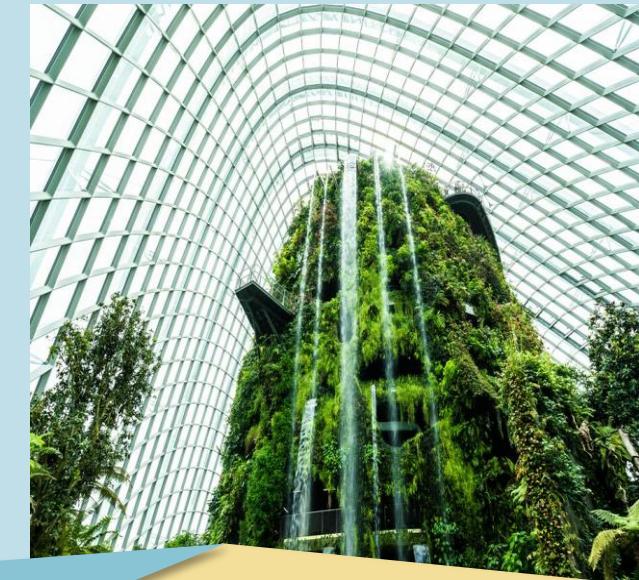
# LEED ID+C

(Interior Design and Construction)

Applicable to the renovation and development of interior spaces .

- ✓ Certification according to building type such as:

- Commercial Interiors (includes all building types that do not fall into the following subcategories)
- Hospitality
- Retail



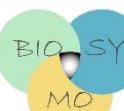
# LEED O+M

(Operations and Maintenance)

Focuses on the sustainable operation and maintenance of existing buildings.

- ✓ Applies to:

- Existing buildings (includes all building types that do not fall into the following subcategories)
- Retail
- Warehouses & Distribution Centers
- Hospitality
- Data Centers
- Healthcare
- Schools



# Involved Roles in Certification

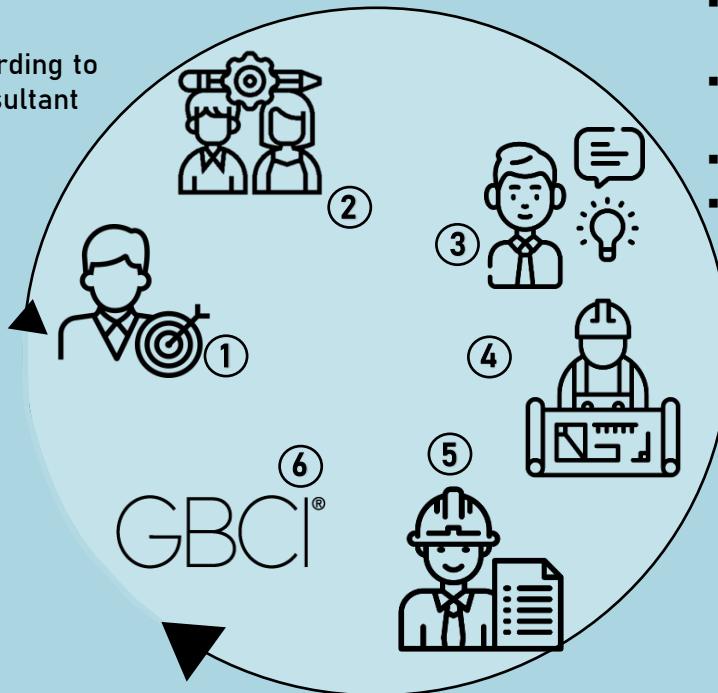
## LEED ID+C

### 2. Design Team

- Designs the project
- Co-defines LEED goals
- Compiles documentation according to the guidance of the LEED Consultant

### 1. Project Owner/ Project Manager

- Appoints the rest of the roles
- Decides the level of LEED certification
- Co-defines LEED goals
- Coordinates communication among parties



### 3. LEED Consultant (ideally LEED AP ID+C)

- Leads the team and defines LEED certification goals
- Visits the project for on-site inspection of compliance with the design and documents
- Gives directions for any corrective actions
- Collects and evaluates the required supporting certification documents

### 4. Construction Team

- Constructs the project
- Implements the approved design – indirectly ensures that the design points are implemented
- Meets the specifications of the construction prerequisites and credits

### 6. Green Business Certification Inc.

- Third-party certification body
- Certifies the role of LEED AP ID+C
- Certifies the project

### 5. LEED Coordinator (ideally LEED AP ID+C)

- Conducts and completes on-site inspections during the project
- Coordinates, directs and supervises the construction team to comply with the prerequisites and construction credits
- Collects the required documents regarding the prerequisites and construction credits
- Trains the general contractor's subcontractors regarding the LEED process

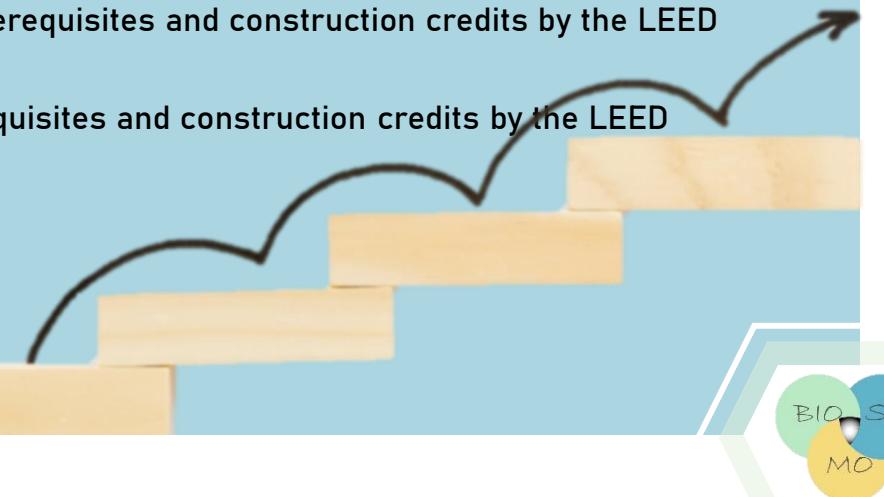
# Steps towards LEED ID+C Certification

## Certification Steps

- ✓ Project definition
- ✓ Collection of project information
- ✓ Team Formation Including Sustainability Consultant (LEED AP)
- ✓ Goal-Setting Workshop (LEED Charrette)
- ✓ Task Assignment (LEED Action Plan)
- ✓ Project Registration within LEED Online Platform
- ✓ Design and integration of LEED requirements on plans and project documents, a process that is performed in tandem with the design phase of the project
  - Regular meetings of the LEED Consultant with the Designers to provide guidance and keep track of the process
- ✓ Construction and reassurance of LEED prerequisites and construction credits
  - LEED Consultant visits the project for on-site inspection of compliance with the design and other documents
  - Regular on-site inspections and progress monitoring of prerequisites and construction credits by the LEED Coordinator
  - Collection of documents towards the achievement of prerequisites and construction credits by the LEED Coordinator
- ✓ Project submission



Our company provides the required expertise and experience at the certification process, with trained personnel certified as LEED AP ID+C.



# LEED ID+C

## Credits Overview

v.4 LEED ID+C: Commercial Interiors

8 credit categories, 8 prerequisites, 34 credits

| Credit Category                    | Prerequisites | Credits | Points |
|------------------------------------|---------------|---------|--------|
| Integrative Process (IP)           | 0             | 1       | 2      |
| Location and Transportation (LT)   | 0             | 5       | 18     |
| Water Efficiency (WE)              | 1             | 1       | 12     |
| Energy & Atmosphere (EA)           | 3             | 6       | 38     |
| Materials and Resources (MR)       | 2             | 6       | 13     |
| Indoor Environmental Quality (IEQ) | 2             | 9       | 17     |
| Innovation (IN)                    | 0             | 2       | 6      |
| Regional Priority (RP)             | 0             | 4       | 4      |
| Total                              | 8             | 34      | 110    |

For more information and support regarding LEED ID+C certification, contact our team of experts!