

PART 1 - U.S. Green Building Council and its programs



USGBC

Founded in 1992, the U.S. Green Building Council (USGBC) is non-profit membership-based organization of leaders promoting buildings that are environmentally responsible, profitable, and supportive human health.

USGBC's mission is “to transform the way buildings and communities are designed, built, and operated, enabling an environmentally and socially responsible, healthy, and prosperous environment that improves the quality of life”.

USGBC's vision is “ Buildings and communities will regenerate and sustain the health and vitality of all life within a generation”.

USGBC accomplishes this mission through several means:

LEED

Credentials

Green Build International Conference and Expo

Education

Advocacy

Chapter and Committees



USGBC

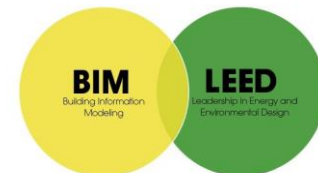
Greenbuild International Conference & Expo 2022 NOVEMBER 1 - NOVEMBER 3



USGBC

The following are some of the types of professions and companies that have joined USGBC:

- Building owners and end-users
- Real estate developers
- Facility managers
- Interior designers
- Architects
- Designers
- Engineers
- Utility managers
- Landscape planners
- Contractors
- Product and building system manufacturers
- Government agencies
- Nonprofits
- College Students and Faculty



About LEED

LEED stands for **LEADERSHIP** in **ENERGY** and **ENVIRONMENTAL DESIGN**.

LEED is a leading-edge system for certifying high-performance buildings and sustainable neighborhoods.

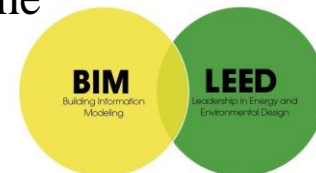
LEED Green Building Rating System is a voluntary, consensus-based rating system providing third-party verification.

LEED was created by USGBC to accomplish the following:

- Define "green building" by establishing a common standard of measurement
- Promote integrated, whole-building design practices
- Recognize environmental leadership in the building industry
- Stimulate green competition
- Raise consumer awareness of green building benefits
- Transform the building market



LEED is a flexible system. There are different versions of LEED depending on the project type.



About LEED

The creation of LEED is led by USGBC member-based volunteer committees with USGBC staff.

After development, LEED is subject to review and approval by the LEED steering committee and the USGBC board of directors prior to a vote by USGBC membership.

The key elements of the LEED Rating Systems are:

- A consensus process that has a balanced and transparent committee structure
- Technical Advisory Groups to ensure scientific consistency and rigor
- Opportunities for stakeholder comment and review
- Member ballot of new rating systems and certain changes to existing rating systems
- A fair and open appeals process



LEED Certification Benefits

Building occupant satisfaction and productivity

Energy and water efficiency

State and local government incentives

Projects may require it

LEED facilitates the integrative process from start to finish

Third party validation of achievement

Money savings over the lifetime

Good PR with high occupancy rate

Increased project and building value



Other Green Building Rating Systems across the world

BREEAM

CASBEE

GREEN GLOBES US/GREEN BUILDING INITIATIVE (GBI)

GBTOOL/SBTOOL

The **International Green Construction Code (IgCC)** establishes baseline regulations about the green features of projects. IgCC is developed by the **International Code Council (ICC)**.

When adapted by local jurisdictions or building codes, IgCC becomes *enforceable*, unlike other green building rating systems.

Green Building Certification Inc. (**GBCI**) administers LEED building certifications and LEED professional accreditations.



LEED Professional Credentials

LEED Green Associate: “For professionals who support green building design, construction, and operations, the LEED Green Associate credential denotes basic knowledge of green building principles and practices and LEED.”

LEED AP: The LEED Professional Credential that signifies an advanced depth of knowledge in green building practices and specialization in a particular LEED Rating System: Building Design + Construction, Operations + Maintenance, Interior Design + Construction, Homes, or Neighborhood Development.

LEED Fellow: The LEED Fellow designates the most exceptional professionals in the green building industry, and it is the most prestigious designation awarded. LEED APs who have demonstrated exceptional achievement in key mastery elements related to technical knowledge and skill are eligible for the honor of becoming a LEED Fellow. They have also made significant contributions in teaching, mentoring, or research with proven outcomes in green building and sustainability.



LEED Professional Credentials

It is essential to know that:

1. Green Building Certification Inc. (**GBCI**) administers LEED building certifications and LEED professional accreditations (review the documents and grant the certification)
2. LEED Reference Guides, **LEED Online**, LEED rating systems, and LEED education programs are developed and managed by USGBC
3. LEED Online is shared by both USGBC and GBCI
4. LEED credentials are for people
5. LEED rating systems are for buildings/neighborhoods
6. Professionals are accredited
7. Buildings are certified

LEED Green Associate and LEED AP should maintain their credentials by earning 15/30 continuing education hours every two years.

The project teams should fill in the credit templates and credit calculators can be used to input calculation data.

