GRIHA Summit: Existing Buildings

Gautami
U.S. Green Building Council
USGBC is committed to a prosperous and sustainable future through cost-efficient and resource efficient high performance buildings.
ONE GLOBAL LEED

140 COUNTRIES AROUND THE WORLD
31,000+
COMMERCIAL LEED PROJECTS

425 Million
SQUARE METERS OF LEED CERTIFIED SPACE

170,000
SQUARE METERS CERTIFIED DAILY
There are five rating systems that address multiple project types:

- BD+C: Building Design and Construction
- ID+C: Interior Design and Construction
- O+M: Building Operations and Maintenance
- ND: Neighborhood Development
- HOMES: Homes
BRITISH COUNCIL
LEED Platinum | New Delhi

- Annual Savings
- Energy: 26%
- Water Savings: 44%
NEW DELHI

ENVIRONMENTAL DESIGN SOLUTIONS
LEED Platinum | New Delhi

- Energy Performance Index: 54.82
- Energy Savings: 35% on ASHRAE base
- Water Savings: 42%
JAYPEE VASANT CONTINENTAL
LEED Platinum | New Delhi

Annual Savings

- Energy: Rs. 38 lacs
- Potable Water: 44%
- Storm Water Mitigation: 16%
MINDSPACE BUILDING NO. 9
LEED Gold | Hyderabad

2015 Savings
- Water: Rs. 30 lacs
- Energy: Rs. 2.4 crores
MINDSPACE BUILDING NO. 5 & 6
LEED Gold | Navi Mumbai

2015 Savings
- Water: Rs. 30 lacs
- Energy: Rs. 3.4 crores
LEED v4

Better Buildings Are Our Legacy
EVOLUTION OF LEED

LEED v1.0-2.2
1998-2009
Strategy based

LEED 2009
2009 - PRESENT
Analytically weighted

LEED v4
NOV. 2013
Outcome oriented
LEED Dynamic Plaque

a tool to measure and certify your buildings’ performance.
LEED Dynamic Plaque:

- ENERGY
- WATER
- WASTE
- TRANSPORTATION
- HUMAN EXPERIENCE
PERFORMANCE, SCORED.

- Energy: out of 33
- Water: out of 15
- Waste: out of 8
- Transportation: out of 14
- Human Experience: out of 20

**Base score:** out of 10
Minimum data input requirements

- **Energy and Water**: 12 consecutive months
- **Waste**: At least one compliant set of readings for total weight of waste generated and diverted from landfill
- **Transportation**: Administer at least one survey to building occupants provided within the LEED Dynamic Plaque
- **Human experience**:
  - Administer at least one survey to building occupants
  - Administer at least one compliant set of readings for interior CO2 and VOC concentration
Higher water scores reflect lower water use

- Water Score
- Gallons/day/sf
ENGAGE WITH THE LEED DYNAMIC PLAQUE

Select your LEED certified building
Share measured building data
Receive a LEED Performance Score
LEED certification

Day 1
Let’s get started
Begin with available building data
Input other information
Monitor and maintain performance

Year 1
Review and Recertify to LEED
Certified Buildings: Update LEED certification

Existing Buildings: Leverage the Performance Score

[Diagram showing energy, water, waste, transportation, and human experience categories with scores for certified and existing buildings.]
Compare and Manage Performance

Property A

Property B

Property C
Engage Staff and Visitors

Overall Performance Score

Manage CSR Goals

Water consumption (gal/sf/month)
LEED Dynamic Plaque:

- ENERGY
- WATER
- WASTE
- TRANSPORTATION
- HUMAN EXPERIENCE
What is your buildings’ Performance Score?

www.LEEDOn.io