



GREEN BUILDINGS  
FOR A SMARTER WORLD

[www.edgebuildings.com](http://www.edgebuildings.com)

EDGE MAKES IT **FASTER, EASIER AND MORE AFFORDABLE**  
THAN EVER BEFORE TO BUILD AND BRAND GREEN.

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EDGE is an innovation of IFC, a member of  
the World Bank Group.

# HOW DO I KNOW WHAT OPTIONS TO CHOOSE TO DESIGN GREEN?

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# HOW CAN I INCREASE THE MARKETABILITY OF MY BUILDING BY **GOING GREEN**?

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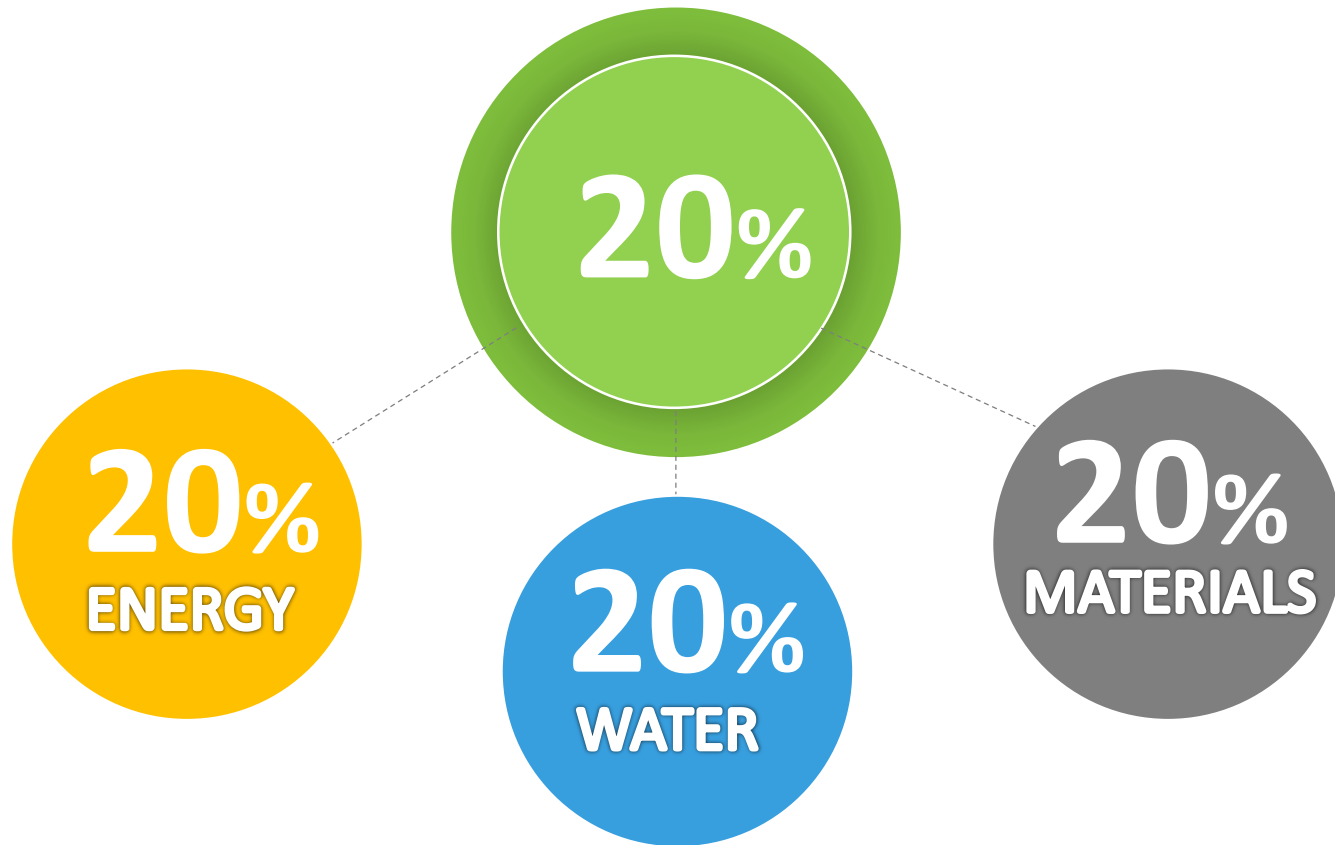


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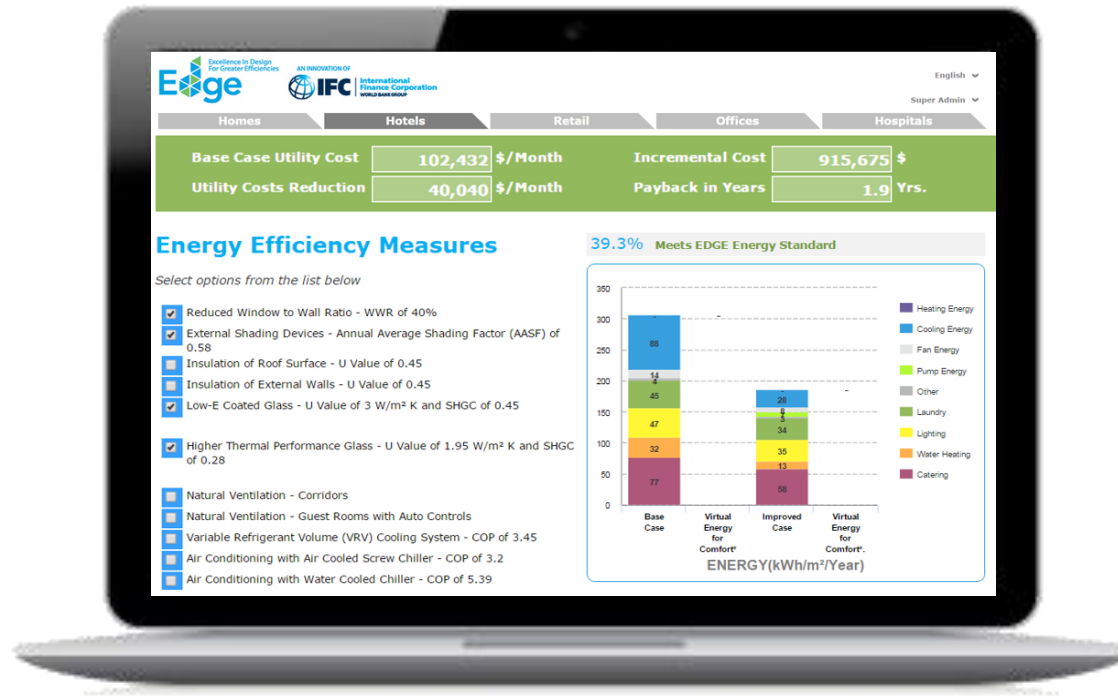


THE EDGE STANDARD FOCUSES ON **RESOURCE EFFICIENCY**,  
KEEPING CERTIFICATION ACHIEVABLE.

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# THE **FREE** SOFTWARE SHOWS HOW YOU CAN CUT BACK ON THE RESOURCE INTENSITY OF YOUR BUILDING DESIGN.



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Homes

Hotels

Retail

Offices

Hospitals

Base Case Utility Cost **402,432** \$/Month

Incremental Cost **0** \$

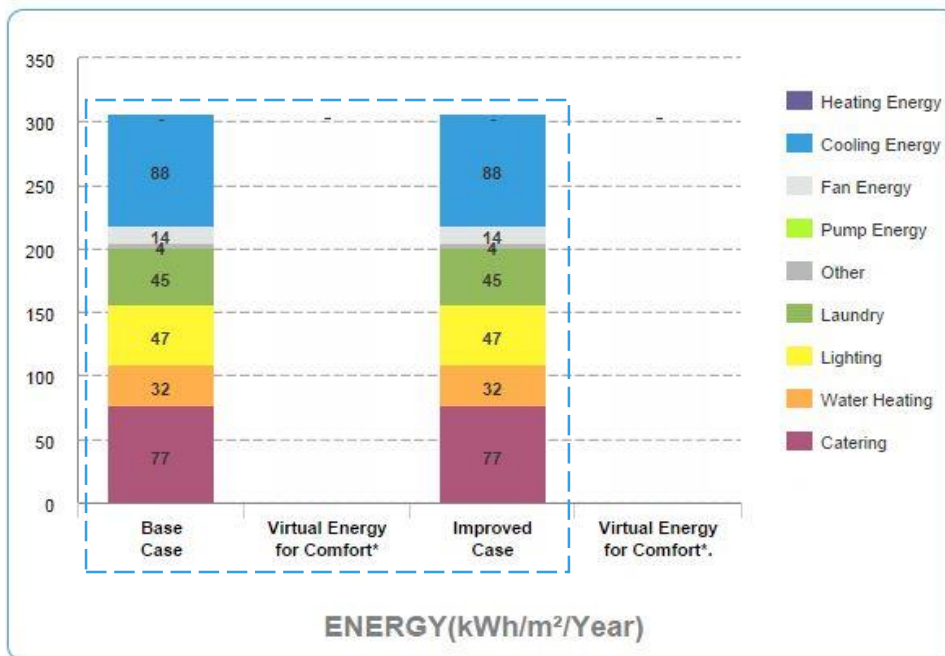
Utility Costs Reduction  \$/Month

Payback in Years  Yrs.

## Energy Efficiency Measures

- ☐ Reduced Window to Wall Ratio - WWR of 40%
- ☐ External Shading Devices - Annual Average Shading Factor (AASF) of 0.58
- ☐ Insulation of Roof Surface - U Value of 0.45
- ☐ Insulation of External Walls - U Value of 0.45
- ☐ Low-E Coated Glass - U Value of 3 W/m<sup>2</sup> K and SHGC of 0.45
- ☐ Higher Thermal Performance Glass - U Value of 1.95 W/m<sup>2</sup> K and SHGC of 0.28
- ☐ Natural Ventilation - Corridors
- ☐ Natural Ventilation - Guest Rooms with Auto Controls
- ☐ Variable Refrigerant Volume (VRV) Cooling System - COP of 3.45
- ☐ Air Conditioning with Air Cooled Screw Chiller - COP of 3.2
- ☐ Air Conditioning with Water Cooled Chiller - COP of 5.39
- ☐ Ground Source Heat Pump - COP of 4.65
- ☐ Absorption Chiller Powered by Waste Heat for Space Heating- COP of 0.7
- ☐ Recovery of Waste Heat from the Generator for Space Heating
- ☐ Variable Speed Drives on the Fans of Cooling Towers
- ☐ Variable Speed Drives Pumps
- ☐ Sensible Heat Recovery from Exhaust Air - Efficiency of 60%
- ☐ High Efficiency Condensing Boiler for Space Heating - Efficiency of 90%
- ☐ High Efficiency Boiler for Water Heating - Efficiency of 90%
- ☐ Variable Speed Hoods with Automated Fan Controls

0.00%





Homes

Hotels

Retail

Offices

Hospitals

**Base Case Utility Cost** 102,432 \$/Month

**Utility Costs Reduction** 40,040 \$/Month

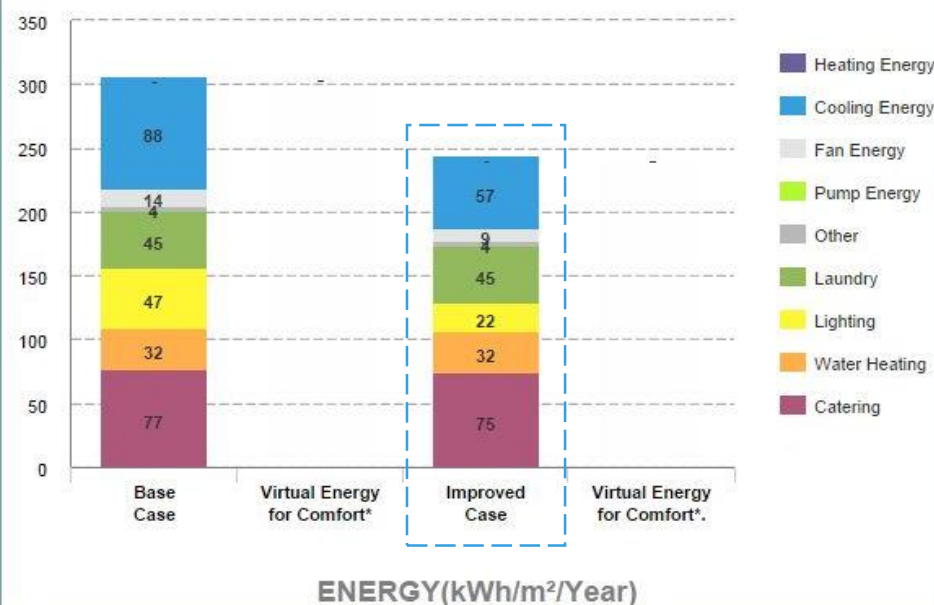
**Incremental Cost** 915,675 \$

**Payback in Years** 1.9 Yrs.

## Energy Efficiency Measures

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39.3% Meets EDGE Standard



FOR A SMALL INVESTMENT, ACHIEVE EDGE CERTIFICATION  
AND INCREASE THE MARKETABILITY OF YOUR BUILDING.





# EACH CERTIFIED PROJECT RECEIVES A PROJECT STUDY.



Primavera Residences Towers A & B  
Philippines



Bruck Passive House Hotel  
China



First Home Premium - Binh Duong  
Vietnam



Kolkata West International City  
India



Keserwan Medical Center  
Lebanon



Imperial Homes  
Philippines



NJ Zinnia Premium Homes  
India



Nam Long  
Vietnam



FPT Urban Company  
Vietnam



City Express Hotels  
Mexico



VBHC  
India



SAMHI  
India



# 5 EASY STEPS TO CERTIFICATION

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## 1. INQUIRE



Express interest in certifying your project. The cost of certification will be verified.

## 2. CREATE



Create a user profile in EDGE and self assess your resource efficient design.

## 3. SELECT



Contract with an EDGE auditor for compliance with EDGE requirements.

## 4. APPLY



Rely on your auditor to submit your application to the certification provider.

## 5. CERTIFY



Receive an EDGE certificate from the certifier.

# EDGE IS **DIFFERENT** FROM OTHER CERTIFICATION SYSTEMS.

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**FINANCIAL CALCULATOR** No other certification system has free software to calculate the cost of going green.



**QUANTITATIVE APPROACH** EDGE uses projected performance for a uniquely measurable approach.



**ONE-STOP SHOP** Efficiency simulations are executed in EDGE and the entire certification process can be conducted within the software.



**PROJECT INTEGRATION** Certification compliance can be achieved with invoices, photos and a few architectural drawings.



**LOCATION-SPECIFIC** EDGE has climate and lifestyle data for the most accurate results.



**GREEN BUILDINGS FOR ALL** Fast and affordable, EDGE makes certification easy for everyone.



# BUILD A GREEN PORTFOLIO AND BECOME A PART OF A GROWING COMMUNITY OF **GLOBAL LEADERS**.



# JOIN ALL THOSE WHO ARE EMBRACING EDGE IN EMERGING MARKETS.





CREATE A STRONGER **VALUE PROPOSITION** FOR YOUR  
CUSTOMERS THROUGH EDGE.

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