



WORLD
GREEN
BUILDING
COUNCIL



BERDE Program

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Philippine Green Building Council

Energy Efficiency for the Industry – Solutions Made in Germany
Fairmont Makati, Makati City
7 Mat 2019



PHILGBC facilitates the sharing of knowledge on green building in the building industry to ensure a sustainable environment.

A Decade of Market Transformation.

ESTABLISHED MEMBER OF



**WORLD
GREEN
BUILDING
COUNCIL**



MEMBER ORGANIZATION

Rate

43

BERDE registered projects

1,733,980.27 m²

total gross floor area for all registered projects

Educate

471

Certified **BERDE**
Professionals

59

Certified **BERDE**
Assessors

120

Fellowships
awarded

Conducted various
trainings, seminars
and workshops on
green building

Advocate

Over
7,000

Individuals and
professionals reached

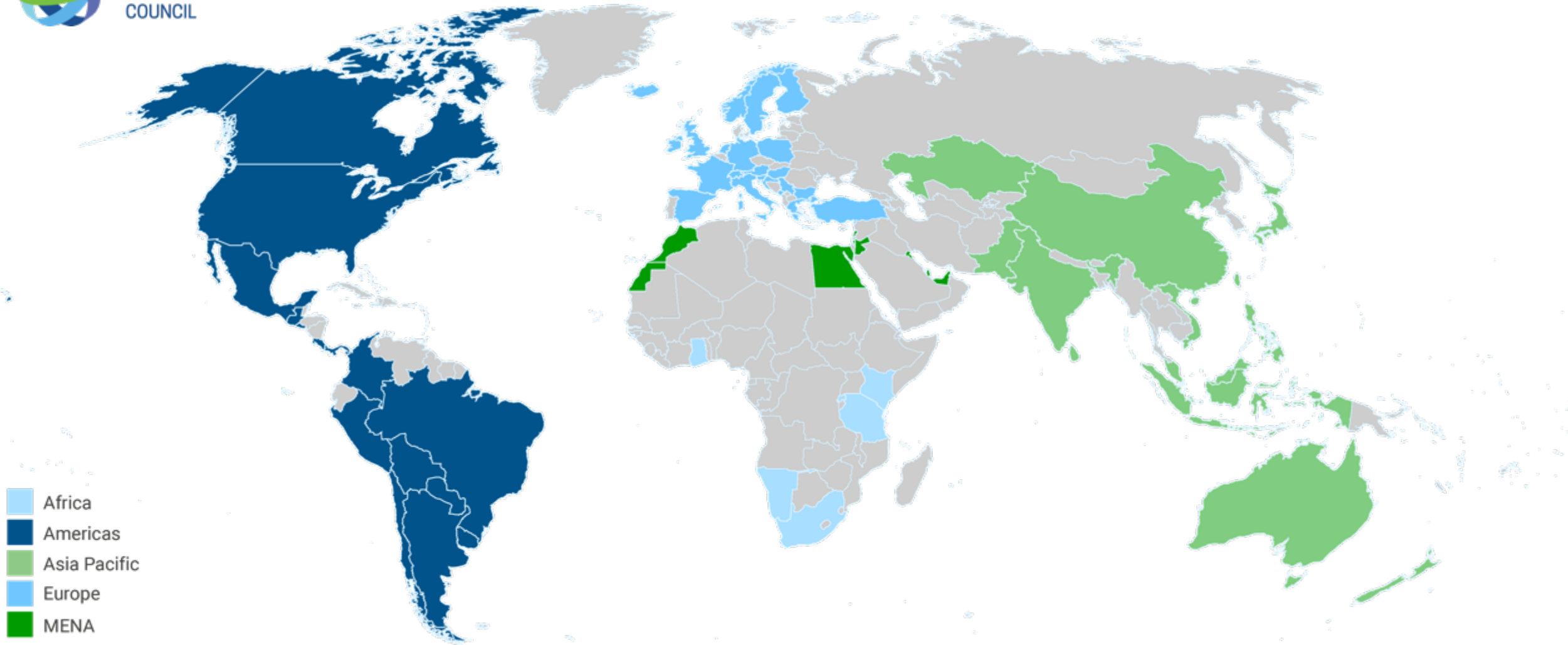
300

Corporate Members and
alliance partners

Partners from the national
and local governments, and
international organizations
such as the UN, ILO, World
Bank, ADB, USAID,
AUSTRADE, and the EU.



WORLD
GREEN
BUILDING
COUNCIL





68 National
Green Building Councils
Worldwide

37,000
members around the world

WorldGBC. (2018). *WorldGBC Annual Report 2017/18.pdf* [Annual Report]. Retrieved from World Green Building Council website: https://www.worldgbc.org/sites/default/files/WorldGBC%20Annual%20Report%202018_HR.pdf

2.65 billion m²

of green building spaces around the world has been certified by member GBCs



BREEAM®



CASBEE®





INSPIRE
CONFIDENCE
BUILD *TRUST*



DOE



BERDE

**THE PHILIPPINES' NATIONAL
VOLUNTARY GREEN
BUILDING RATING SYSTEM**

ADOPTED BY THE **DEPARTMENT OF ENERGY** UNDER THE

**Philippine Energy
Efficiency Project
Efficient Building
Initiative**

INSPIRE
CONFIDENCE
BUILD **TRUST**



As a **guidance** tool



As a **credible marketing** tool



As a **transparency** tool



As a **compliance and
policy support** tool

NEW BUILDINGS

EXISTING BUILDINGS

BUILDING AND DESIGN

PEOPLE AND SYSTEMS



New Construction

*Commercial Buildings
Vertical Residential Buildings
Clustered Residential Buildings
Educational Buildings*



Renovations

*Commercial Buildings
Vertical Residential Buildings
Clustered Residential Buildings
Educational Buildings*



Operations

BERDE



91 and above

World Class



81 to 90 points

Exemplar Practice



71 to 80 points

Ideal Performance



61 to 70 points

Good Practice



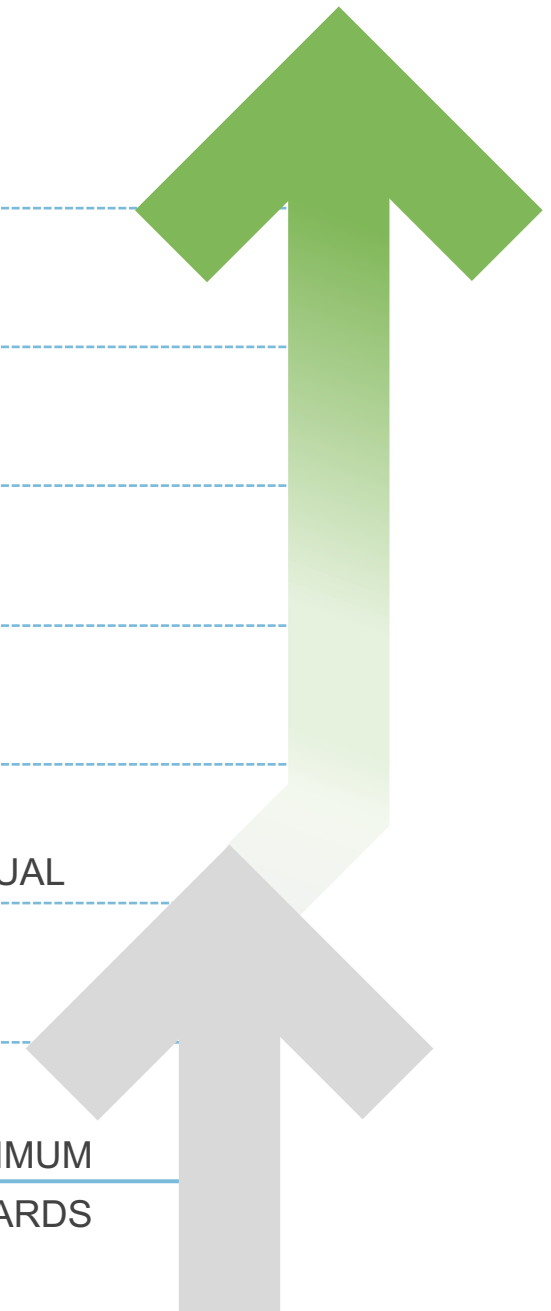
51 to 60 points

Minimum Practice

BUSINESS-AS-USUAL

MANDATORY MINIMUM

LAWS, REGULATIONS AND MANDATORY STANDARDS



CORE FRAMEWORK



Energy Efficiency
and Conservation



Water Efficiency
and Conservation



Waste
Management



Management



Use of Land
and Ecology



Green Materials



Transportation



Indoor Environment
Quality



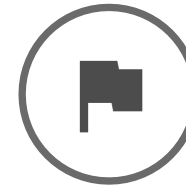
Emissions

The Framework

The Core Framework of **BERDE** defines the different credits that are essential in developing a green building project.

Electives are optional credits that may provide wider sustainability benefits, which are not necessarily part of the Core Framework. These additional credits will be maintained under the Credit Library.

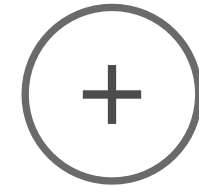
ELECTIVES



Heritage Conservation
and Promotion



Innovation



Additional socio-
economic credits



Energy Efficiency and Conservation refers to managing, reducing, or eliminating the excessive use of energy in the project.

The use of energy efficiency and conservation strategies should result in the delivery of more services for the same or reduced energy use.

Disclosure of energy data

As a *Minimum System Requirement*, projects registered under **BERDE** must commit and submit data on their use of energy, water and materials, and generated waste for the project.

For energy, the project team must submit information on

- Total gross floor area (TGFA) of the project in square meters (m²),
- Projected occupancy rates, including
 - number of occupants per 8-hour shift, and
 - number of 8-hour shifts in the project; and
- Energy consumption in kilowatt-hour (kWh).

The peak energy consumption must be presented in kWh/m²/person based on an 8-hour shift.



Only projects that complete the formal process, complies with all requirements, and receives at least the minimum rating for certification may claim as a **BERDE** Certified green building project.



Energy Efficiency and Conservation

Credit	NC	OP
Energy Consumption Reduction*	•	•
Energy Monitoring*	•	•
Natural Ventilation	•	
Use of Renewables	•	
Energy Efficient Lighting	•	
Energy Efficient Building Envelope	•	
Energy Efficient Air-conditioning System	•	
Building Automation System	•	
Electrical Equipment Maintenance		•

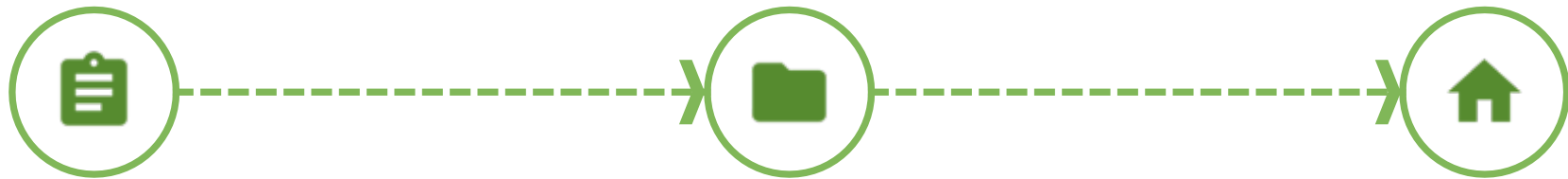


These credits apply to *BERDE GBRS – New Construction – V2.2.0*, and *BERDE GBRS – Operations – V2.2.0*.

* The GBRS may have credits with similar names and intent but have different Requirements or Compliance Requirements.

Certification

Certification Process



Registration

The **Registration** process is completed once the project owner has:

- Submitted the accomplished application forms;
- Agreed and signed with the assessment, certification, and rating proposal; and
- Paid the initial payment for the assessment fees.

Stage 1

Stage 1 focuses on the assessment, rating, and certification of the:

- Design of new or renovated projects, or
- Plans, policies and procedures for operations of projects.

Stage 1 is completed upon acceptance of the *Stage 1 Assessment Report*.

Stage 2

Stage 2 focuses on the assessment, rating, and certification of the:

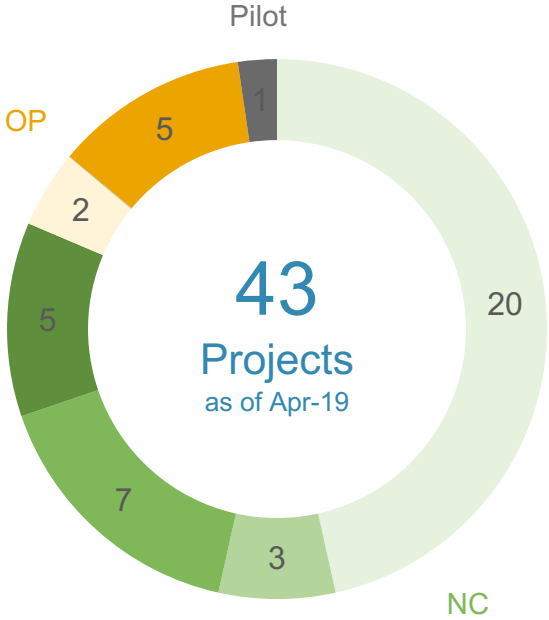
- Construction of new or renovated projects, or
- Implementation of policies and procedures for operations of projects.

Stage 2 is completed upon acceptance of *Stage 2 Assessment Report*.



BERDE Projects

Only projects that have completed the formal certification process, complied with the minimum system requirements, and achieved a rating are certified as **BERDE** green building projects.



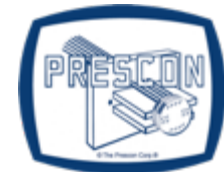
BERDE

Companies who trust *BERDE*

Users



First Balfour



Companies who trust **BERDE**

Project Teams

14-678 Property Holdings, Inc.

18-2 Property Holdings, Inc.

19-1 Property Holdings, Inc.

6-24 Property Holdings, Inc.

6-3 Property Holdings, Inc.

A. F. Navarrete Consultants and Associates

Aeroplus Multi-services, Inc.

Aidea Philippines Inc.

Arcadis Philippines, Inc.

ArthaLand Corporation

BNProjekTechnik Corporation

Cebu District Property Enterprise, Inc.

Crearis Environmental Design

DCMi (The Project Management Company)

De La Salle University

Ecotektonika, Inc.

Eduardo H. Tan and Associates (EHTA)

FPD Asia Property Services, Inc.

GF & Partners, Architects

International Elevator & Equipment, Inc.

L.R. Punzalan & Associates (LRPA)

Makati Development Corporation

Malaking Ibong Bughaw Security Services, Inc.

Meinhardt Philippines, Inc.

Monark

Noel B. Franco Consulting Inc. (NBF)

Ove Arup and Partners Hong Kong, Ltd.

PestBusters

R. R. Encabo Constructors, Inc.

R.A. Mojica & Partners

SY^2 + Associates, Inc.

The Sage Group Asia (TSG)



De La Salle University Henry Sy Sr. Hall

De La Salle University
Malate, Manila



Stage 1 **BERDE** 2-Star Certified
BERDE GBRS – New Construction v.1.0.0

First Balfour Corporate Office

First Balfour Inc.
Sucat, Parañaque



Stage 1 **BERDE** 1-Star Certified
BERDE GBRS – New Construction v.1.0.0





Botanika Nature Residences (Tower 1)

Filinvest-Alabang Inc.

Filinvest Corporate City, Alabang, Muntinlupa City



Stage 1 **BERDE** 3-Star Certified

BERDE GBRS – New Construction – Vertical
Residential Development v.1.1.0

Net Park

The Net Group

Bonifacio Global City, Taguig City



Stage 1 **BERDE** 4-Star Certified

BERDE GBRS – New Construction – Commercial
Buildings v.1.1.0



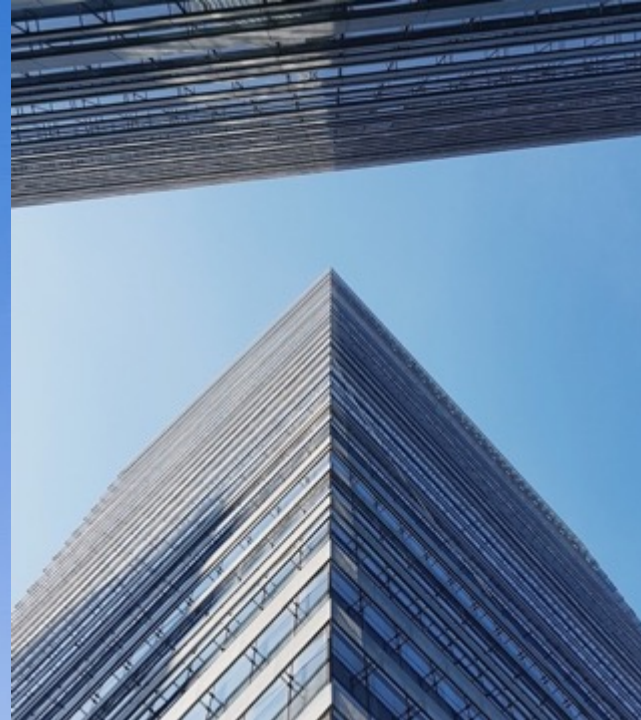


Laguna Lake Development Authority Building
Laguna Lake Development Authority
Diliman, Quezon City



BERDE 3-Stars Certified

BERDE GBRS – New Construction – v1.0.0



Net Lima

The Net Group

Bonifacio Global City, Taguig City



BERDE 4-Stars Certified

BERDE GBRS – New Construction – v1.0.0



Maynilad Safety Center
Maynilad Water Services Inc.
La Mesa Dam, Novaliches, Quezon City



BERDE 2-Stars Certified
BERDE GBRS – New Construction
Commercial Buildings – v1.1.0



Net One Center



Net Square



Net Cube



Net Quad



Net Plaza

The Net Group
Bonifacio Global City, Taguig City



BERDE 5-Stars Certified
BERDE GBRS – Operations – v1.0.0



Arya Residences

ArthaLand Corporation

Bonifacio Global City, Taguig City



BERDE 4-Stars Certified

BERDE GBRS – New Construction

Vertical Residential Buildings – v1.1.0



ArthaLand Century Pacific Tower
ArthaLand Corporation
Bonifacio Global City, Taguig City



BERDE 5-Stars Certified
BERDE GBRS – New Construction
Commercial Buildings – v1.1.0

The new **BERDE** Online



Clean and intuitive design

The GBRS is responsive and is responsive to any device, from your laptop to your phone.



Website to print

The GBRS may be printed directly from the website as a book, without sacrificing the clean layout.



Improved search function

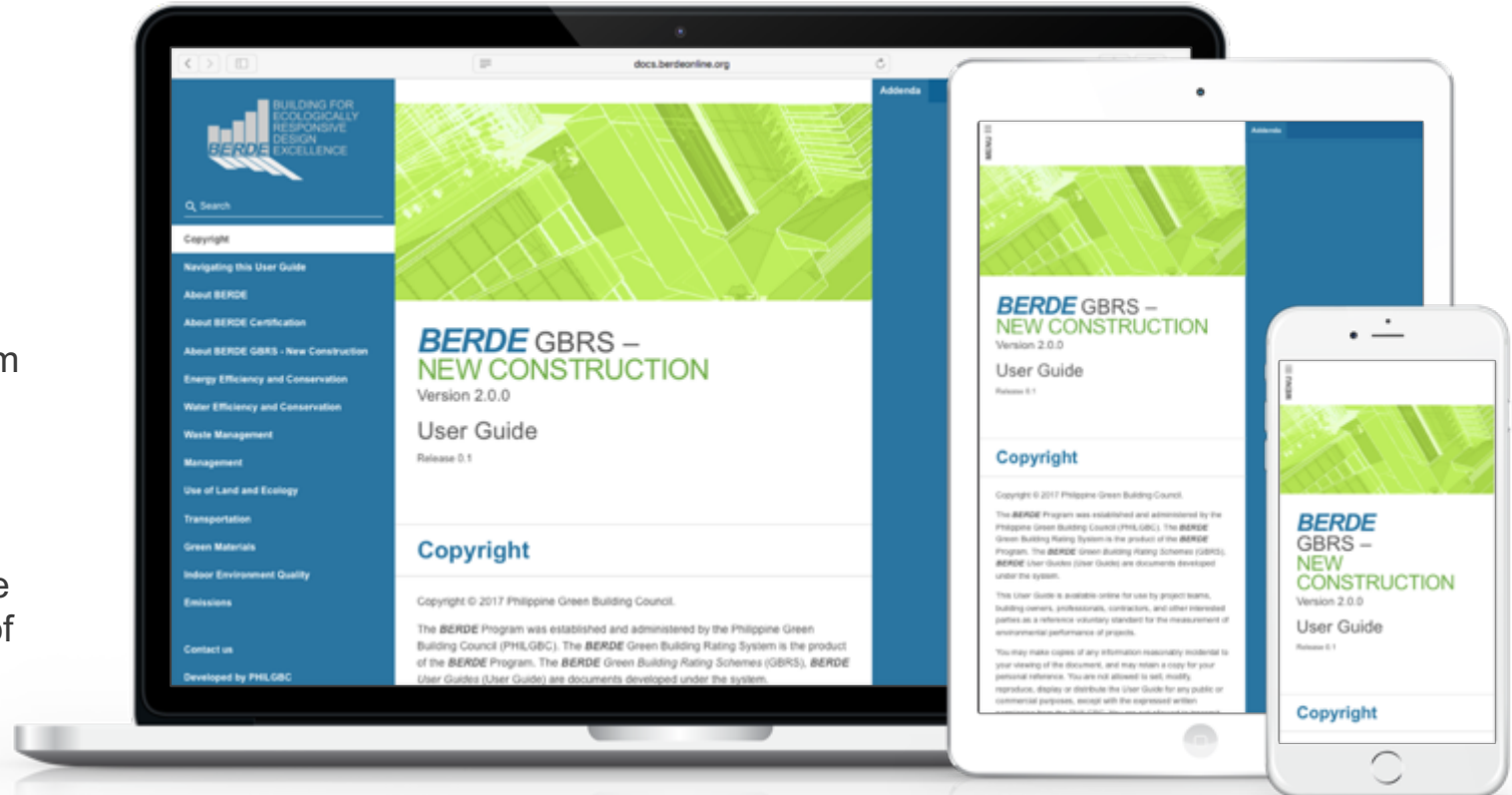
You can now search through the whole GBRS faster and easier with the use of keywords.



Faster updates and addenda

The system ensures that all users always have access to the latest information on the GBRS.

berdeonline.org



Thank you!

berde@philgbc.org



philgbc.org berdeonline.org



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