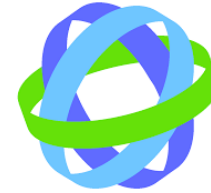




ESTABLISHED MEMBER OF



WORLD
GREEN
BUILDING
COUNCIL



MEMBER ORGANIZATION

GLOBE ALLIANCE

GLOBAL LEADERSHIP IN OUR BUILT ENVIRONMENT
GLOBAL PARTNER

BERDE Program

Christopher C. de la Cruz
Chief Executive Officer
Philippine Green Building Council

12 August 2016
Building Momentum in Leadership and Management for Professionals and
Specialists in Millennial Libraries and Information Centers
Professional Schools, University of Mindanao, Davao City

“Humanity has the ability to make development sustainable to **ensure that it meets the needs of the present without compromising the ability of future generations to meet their own needs.**”

On Sustainable Development. United Nations World Commission on Environment and Development. “Our Common Future: Report of the World Commission on Environment and Development.” *Oslo: World Commission on Environment and Development, March 1987.* <http://www.un-documents.net/wced-ocf.htm>.

Buildings and Sustainability

- Global, regional and country-level initiatives on building and sustainable development of the built environment to address climate change;
 - Low carbon towns, zero carbon cities, zero waste cities, green cities, etc.
 - Green buildings, net positive buildings, sustainable buildings, net zero buildings, zero carbon buildings, etc.
 - Green materials, eco-labeling programs
- Building sector can contribute to significantly reduce GHG emissions and overall resource use;
- Buildings can influence the built environment towards a net positive environment.

Green building

A holistic approach to the design, construction, renovation, and operation of buildings, communities, and cities in a sustainable manner.

Green building as a global movement

- Green is driving change in markets all around the world;
- Industry is realizing that unsustainable building practices mean unsustainable business;
- There is now an abundance of tools, materials, and technology that facilitates green building;
- Continuous increase of political and institutional support;
- Doing well by doing good;
 - Best form of CSR, green building addresses public good and contributes to the bottom-line;
 - Local rating tool (BERDE) addresses social imperatives—GBCs in developing countries are encouraged to address social implications of the building industry through green building;

Green buildings are healthy and productive.

Green buildings may contribute to **better indoor air quality, appropriate thermal comfort and lighting, biophilic spaces, active workspaces, and satisfactory noise levels.**

Good design, construction, behavior and location are factors that contribute to buildings conducive to healthy and productive occupants.

World Green Building Council. “**Health, Wellbeing & Productivity in Offices,**”

September 2014.

http://www.worldgbc.org/files/6314/1152/0821/WorldGBC__Health_Wellbeing__productivity_Full_Report.pdf.

Green buildings can now be delivered at a prices comparable to those for conventional buildings.

Effective green building development incorporates cost strategies, program management and environmental strategies into the development process **right from the start.**

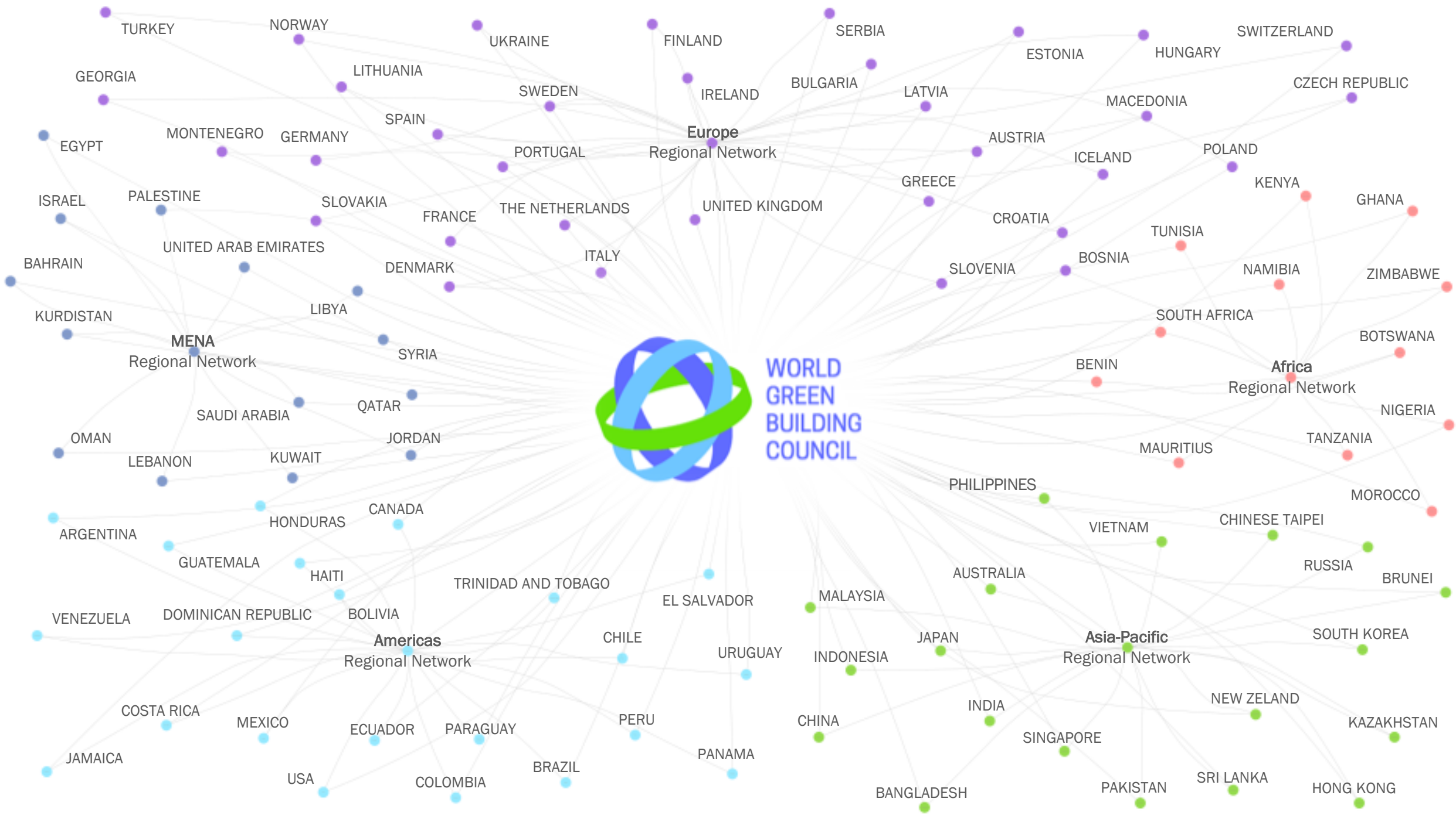
The business case for green building is supported by studies that exhibit such developments with **increased asset value, reduced operating costs, effective risk mitigation, better workplace productivity, and delivery of large-scale economic priorities.**

World Green Building Council. “**The Business Case for Green Building: A Review of the Costs and Benefits for Developers, Investors and Occupants,**” April 11, 2013.

<http://www.worldgbc.org/activities/business-case/>.

Rating Tools

By rewarding measurable improvements to a building's environmental performance, green building rating systems **create market incentives that are transforming building industry practices globally.**



100 National Green Building Councils Worldwide

With over **27,000** member companies and organizations

More than **400,000** people educated by our network

More than **1.2** billion square meters of green building are registered by out rating systems



World Green Building Council. "World Green Building Council Impact Report 2013 - 2014," June 2014.
<http://www.worldgbc.org/infohub/impact-report-2014/>.



AUSTRALIA



UK



USA

6 STAR
Over 75 points

5 STAR
45 – 59 pts

4 STAR
45 – 59 pts

OUTSTANDING
Over 85 points

EXCELLENT
70 – 85 pts

VERY GOOD
55 – 70 pts

GOOD
45 – 55 pts

PASS
30 – 45 pts

PLATINUM
Over 80 points

GOLD
60 - 79 pts

SILVER
50 – 59 pts

CERTIFIED
40 – 49 pts

91 – 100 pts

81 – 90 pts

71 - 80 pts

61 – 70 pts

51 – 60 pts

41 - 50 pts

31 - 40 pts

21 - 30 pts

11 - 20 pts



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

ESTABLISHED MEMBER OF



300 Corporate Members
and Alliance Partners

over
7,000 professionals
and individuals
reached

120 Fellowships
awarded

380 Certified *BERDE*
Professionals

59 Certified *BERDE*
Assessors

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

BERDE Program

2007

Members of the Philippine building industry decided to **develop the Philippines' own green building rating system.**

2009

The **Building for Ecologically Responsive Design Excellence (BERDE) Program** was formally introduced and launched.

2010

The first version of the **BERDE for New Construction (BERDE-NC)** was officially released for commercial use.

2011

The first version of the **BERDE for Existing Buildings (BERDE-EB)** was officially released for commercial use.

2012

The **BERDE** Green Building Rating System was officially recognized as the **National Voluntary Green Building Rating System of the Philippines**, under the Philippine Energy Efficiency Project: Efficient Building Initiative (PEEP-EBI) by the Philippine government, through the **Department of Energy (DOE).**

2013

Nine (9) **BERDE** Green Building Rating Schemes were officially released for commercial use, including the official launch of the refactored BERDE-EB, which are **BERDE for Retrofits and Renovations (BERDE-RR)** and **BERDE for Operations (BERDE-OP).**

2015

The **BERDE** Pilot Program was introduced for projects not covered by existing **BERDE** Green Building Rating Schemes.

BERDE

Development Process

BERDE is developed in line with international standards development best practices and standards, and harmonized with national and international building and environmental standards.

BERDE is developed in harmony with the **WorldGBC Quality Assurance for Green Building Rating Tools (2013)**.



Quality Assurance for Rating Tools

International Framework for Socio-economic Factors for Green Building Rating Tools in Developing Countries

World Green Building Council and Green Building Council of South Africa

October 2013

Quality Assurance for Green Building Rating Tools

World Green Building Council

September 2013

NEW BUILDINGS

EXISTING BUILDINGS

BUILDING AND DESIGN

PEOPLE AND SYSTEMS

BERDE
NEW CONSTRUCTION

BERDE
RETROFITS AND
RENOVATIONS

BERDE
OPERATIONS

BUILDING TYPE

Commercial Buildings

Clustered Residential Development

Vertical Residential Development

Educational Institutions

All buildings

BERDE



91 and above



81 to 90 points



71 to 80 points



61 to 70 points

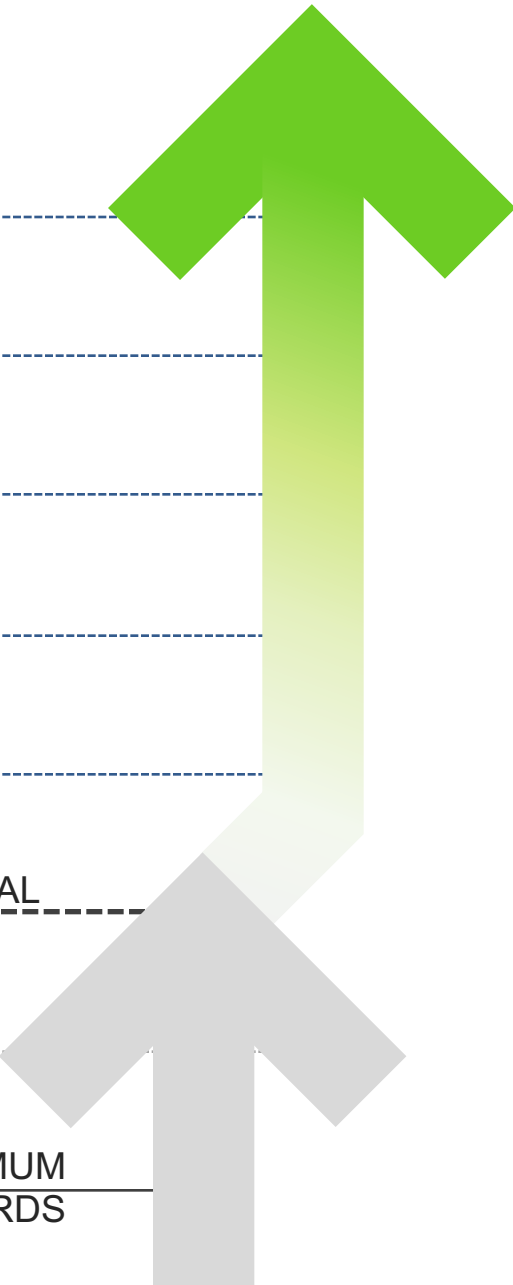


51 to 60 points

BUSINESS-AS-USUAL

MANDATORY MINIMUM

LAWS, REGULATIONS AND MANDATORY STANDARDS



Management
Land Use and Ecology
Water
Energy
Transportation
Indoor Environment Quality
Materials
Emissions
Waste
Heritage Conservation
Innovation



11
categories

BERDE Assessment and Certification

To establish a credible, independent, impartial and objective process, **BERDE** Assessment and Certification is conducted through a third-party assessment process.



34

Registered projects

As of June 2016

The Net Group
De La Salle University
First Balfour, Inc.
Federal Land, Inc.
RSP Lim Construction Company, Inc.
Laguna Lake Development Authority
Felcris Hotels and Resorts Corporation
Mañosa Properties, Inc.
Arthaland Corporation
Filinvest-Alabang, Inc.
Lucent Evermore Estate Development Inc.
Southkey Development Corporation
Century Peak Property Development Inc.
Ayala Land Inc.
Prescon Philippines, Inc.
Maynilad Water Services, Inc.
Monocrete Construction Philippines, Inc.



BERDE Pilot Program

Engagement and Pilot

Under the *Quality Assurance for Green Building Rating Tools*, GBCs are guided to pilot or test rating tools through pilot project.

The project will allow testing of the criteria and the tool's processes and procedures.

BERDE Pilot Program

- Addresses the need to continuously develop and expand the scope of the **BERDE** Green Building Rating System;
- Addresses the demand for assessment and certification for projects without an applicable **BERDE** Green Building Rating Scheme, under the New Construction, Retrofits and Renovations, or the Operations schemes;

Owners with projects not covered by existing **BERDE** rating tools may request the PHILGBC to develop a tool that is bespoke to the project, and commit to pilot or test the developed tool.

BERDE Pilot Process

- Project Owner applies and commits to the development of a **BERDE** Pilot Green Building Rating Scheme (GBRS) for their project.
- PHILGBC and the Project Owner collaborates in the development of the **BERDE** Pilot GBRS.
- Project Owner undergoes the formal **BERDE** Assessment and Certification process using the developed **BERDE** Pilot GBRS.
 - The project is certified as a BERDE Pilot Project if the Project Owner complies with all requirements and achieves the minimum score for certification.

Thank you!

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philgbc.org berdeonline.org



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