



## MALAYSIA'S LEADING GREEN BUILDING CERTIFICATION BODY



**Top Rated Green Certification Tool in Malaysia\***  
**Fully endorsed by the Malaysian Government and eligible for Tax Incentives**

\*CIDB CREAM Report on Evaluation Of Green Certification Tools in Malaysia 2018

**WWW.GREENRE.ORG**



**RELEVANT**  
**AFFORDABLE**  
**FLEXIBLE**  
**TRANSPARENT**



## INTRODUCTION

Sustainability is currently at the heart of the Real Estate industry. Consumers and businesses alike are increasingly demanding green buildings and townships to reduce their impact on the environment. GreenRE was developed in close collaboration with stakeholders from the public and private sector including professional service providers in response to the growing need for developing a more sustainable built environment.

*"GreenRE was officially launched on the 22<sup>nd</sup> of March 2013 by the then Minister of Energy, Green Technology and Water (KeTTHA), YB Tan Sri Peter Chin."*

## VISION

To be Malaysia's leading green building certification body offering a science-based, progressive and affordable approach to sustainable development.

## MISSION

- To drive the real estate industry towards sustainable development
- To establish an objective standard of measurement for high-performance green buildings
- To promote efficient use of resources such as energy, water and other building materials
- To lower the carbon footprint of the built environment
- To improve the health and social well-being of building occupants

## OUR SERVICES

### GREEN CERTIFICATION

GreenRE's assessment tools are performance-based standards that provide a framework to meet green certification requirements in a tropical setting. By adopting the GreenRE criteria, property developers and building owners can develop high performance green buildings and townships which are energy, water and resource efficient. These green buildings and townships will have a lower operating cost, thus, reducing the living expenses of the building users. In addition, these buildings will have a lower overall carbon impact.

The GreenRE certification is fully recognised by all relevant ministries, MGTC, MIDA, IRDA and local authorities and GreenRE Certified building owners are eligible for tax incentives by IRDA and investment tax allowances (ITA) under MIDA.

GreenRE being a Malaysian-developed rating tool enhances the country's competitiveness and standing in the international arena. GreenRE's standards and certification process are in line with UN's Sustainable Development Goals (SDGs) and World Green Building Council's commitment towards achieving a net zero future.

## TRAINING

GreenRE conducts courses that help to increase awareness of the importance and benefits of high performance green building. Our courses also aim to share our knowledge and information about the best practices in the industry.

- GreenRE Managers Course
- Technical Seminars
- Short Courses



# ASSESSMENT TOOLKIT

<b>RES</b> Residential Building	<b>NRB</b> Non-Residential Building	<b>ENRB</b> Existing Non-Residential Building	<b>TS</b> Townships	<b>NDC</b> New Data Centre
<b>IS</b> Infrastructure	<b>HC</b> Healthcare	<b>INT</b> Office Interior	<b>IND</b> Industrial Facilities	<b>EIND</b> Existing Industrial Facilities

**GreenRE assessment criteria consists of 6 environmental impact categories namely:**

<p><b>RES, NRB, ENRB, HC, INT, NDC</b></p> <p><b>PART 1</b> Energy Efficiency : Building design &amp; system selection to optimise the energy efficiency of buildings.</p> <p><b>PART 2</b> Water Efficiency: Selection of fittings &amp; strategies enabling water use efficiency during construction &amp; building operation.</p> <p><b>PART 3A (FOR NRB &amp; RES)</b> Environmental Protection: Design, practices &amp; selection of materials &amp; resources that would reduce the environmental impacts of built structures.</p> <p><b>PART 3B ( FOR ENRB)</b> Sustainable Operation &amp; Management: Sustainability of operation &amp; management that would reduce the environmental impacts upon building operation.</p> <p><b>PART 4</b> Indoor Environmental Quality: Enhance the environment (incl. air quality, thermal comfort, acoustic control &amp; daylighting).</p> <p><b>PART 5</b> Other Green Features: Adoption of green practices &amp; new technologies that are innovative &amp; have potential environmental benefits.</p> <p><b>PART 6</b> Carbon Footprint of Development: This category focuses on the use of carbon calculator to calculate the carbon emission of the development.</p>	<p><b>TOWNSHIPS</b></p> <p><b>PART 1</b> Energy Efficiency: Approach that can be used in the infrastructure &amp; public amenities to optimise the energy efficiency of the township.</p> <p><b>PART 2</b> Water Management: Selection of fittings for public amenities &amp; strategies towards efficient water usage &amp; management.</p> <p><b>PART 3</b> Material &amp; Waste Management: Design, practices &amp; selection of materials &amp; resources that would reduce the environmental impacts &amp; the waste management strategies.</p> <p><b>PART 4</b> Environmental Planning: Design strategies that would enhance the indoor environmental quality ( incl. air quality, thermal comfort, acoustic control &amp; daylighting).</p> <p><b>PART 5</b> Green Buildings &amp; Green Transport: Public transportation network &amp; availability of green rated buildings within the township.</p> <p><b>PART 6</b> Community &amp; Innovation: Community involvement &amp; innovative features available for the benefit of the community.</p>	<p><b>INFRASTRUCTURE</b></p> <p><b>PART 1</b> Landscape, Ecology &amp; Land Efficiency: Minimise impact to existing biodiversity of site area &amp; provision of public amenities that are easily accessible.</p> <p><b>PART 2</b> Energy: Design of infrastructure &amp; public amenities to optimise energy efficiency. Incorporation of renewable energy systems are also encouraged.</p> <p><b>PART 3</b> Water: Selection of water fittings &amp; strategies towards efficient water usage &amp; management.</p> <p><b>PART 4</b> Project Management: Management practices to facilitate enhanced environmental standards &amp; stakeholder engagement in planning &amp; execution of project.</p> <p><b>PART 5</b> Waste Management &amp; Environmental Protection: Application of sustainable waste management practices, storm water design &amp; selection of materials that would reduce environmental impacts.</p> <p><b>PART 6</b> Innovation: Adoption of green practices &amp; new technology that are innovative &amp; have potential environmental, social &amp; economic benefits.</p>
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## GREENRE AWARD RATINGS

	RES, NRB, ENRB	TOWNSHIPS	INFRASTRUCTURE
<b>PLATINUM</b>	90 & Above	100 & Above	90 & Above
<b>GOLD</b>	85 to < 90	90 to < 100	80 to < 90
<b>SILVER</b>	75 to < 85	75 to < 90	70 to < 80
<b>BRONZE</b>	50 to < 75	60 to < 75	50 to < 70

# CERTIFICATION PROCESS

## APPLICATION

Submission of application.



## PRE-ASSESSMENT

A pre-assessment audit will be conducted to give the project team a better understanding of the criteria & evaluation of the certification level sought



## ACTUAL ASSESSMENT

Actual assessment to be conducted once the design & documentary evidences (e.g. approved BP) are ready. Assessment process includes design & documentary review, inclusive of external assessor review.



## EXTERNAL ASSESSOR REVIEW



## AWARD OF PROVISIONAL CERTIFICATE



## SITE VERIFICATION ASSESSMENT

Site verification to be conducted upon project completion.



## AWARD OF FINAL CERTIFICATE



## GREEN COST CERTIFICATION

For projects claiming tax incentives

Recognised by:



Supported by:



Verification Partner:



**GreenRE Sdn Bhd** (1040485--V)  
Wisma REHDA  
No. 2C, Jalan SS 5D/6 47301 Petaling Jaya, Selangor Darul Ehsan Malaysia  
Tel: +(6)03 -- 7803 2978 Fax : +(6)03 -- 7803 5285 Email: info@greenre.org



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A Sustainability Initiative by:



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