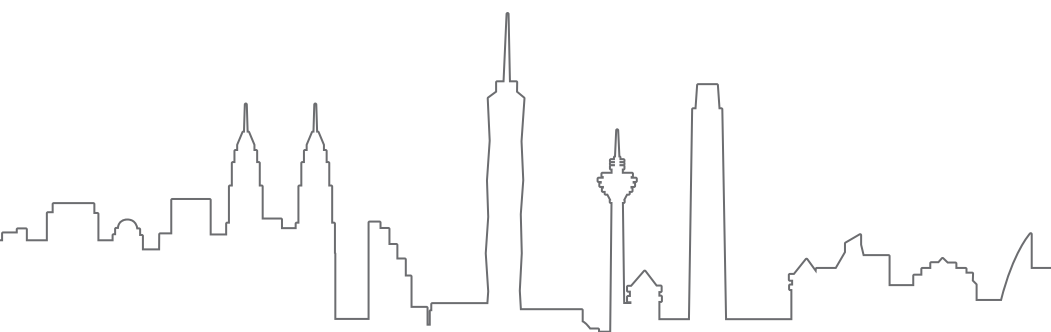




Malaysia's Leading

# Green Building Certification Body



[www.greenre.org](http://www.greenre.org)

Joint Certification with MyCrest available for commercial buildings



Battersea Power Station, London



ARUP Office, Kuala Lumpur



PNB 118, Kuala Lumpur City Centre



Eco Business Park, Johor Bahru



Hap Seng Business Park, Shah Alam



EPF Headquarters, Kwasa Damansara



## Green Real Estate (GreenRE)

### GREEN BUILDING CERTIFICATION

As a rating system, we are aligned to WGBC's Quality Assurance Guide for Green Building Rating Tools in terms of green building rating tool development and implementation and operations.

#### Better for business

GreenRE buildings have a higher value, perform better, and cost less to operate than non-GreenRE buildings. GreenRE certification is fully recognised by all relevant ministries and local authorities and GreenRE Certified building owners are eligible for tax incentives by IRDA and investment tax allowances (ITA) under Malaysian Green Technology And Climate Change Corporation (MGTC).

#### Better for people

GreenRE-certified buildings focus on occupant well-being, offering a healthier indoor space.

#### Better for the environment

GreenRE buildings use less energy and water, fewer resources, create less waste and utilise recycled materials.

### SUSTAINABILITY ELEMENTS



ENERGY EFFICIENCY



WATER EFFICIENCY



ENVIRONMENTAL PROTECTION



INDOOR ENVIRONMENTAL QUALITY



GREEN INNOVATION



CARBON EMISSION/RESOURCE MANAGEMENT

GreenRE was formed by Malaysia's Real Estate and Housing Developers' Association (REHDA) in 2013 to promote sustainability in Malaysia's property development sector. We do this in three main ways:

Green building certification

Research and development

Green building training and awareness programmes

### TRAINING

GreenRE conducts courses to increase awareness of the importance and benefits of high-performance green building and best practices in the industry.

- GreenRE Accredited Professionals Course (GreenREAP)
- Technical Seminars
- Short Courses

### RESEARCH AND DEVELOPMENT

GreenRE is funding and collaborating with a number of research institutes and universities in the areas of green buildings and sustainable development.

## GreenRE Vision and Mission

### VISION

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

### MISSION

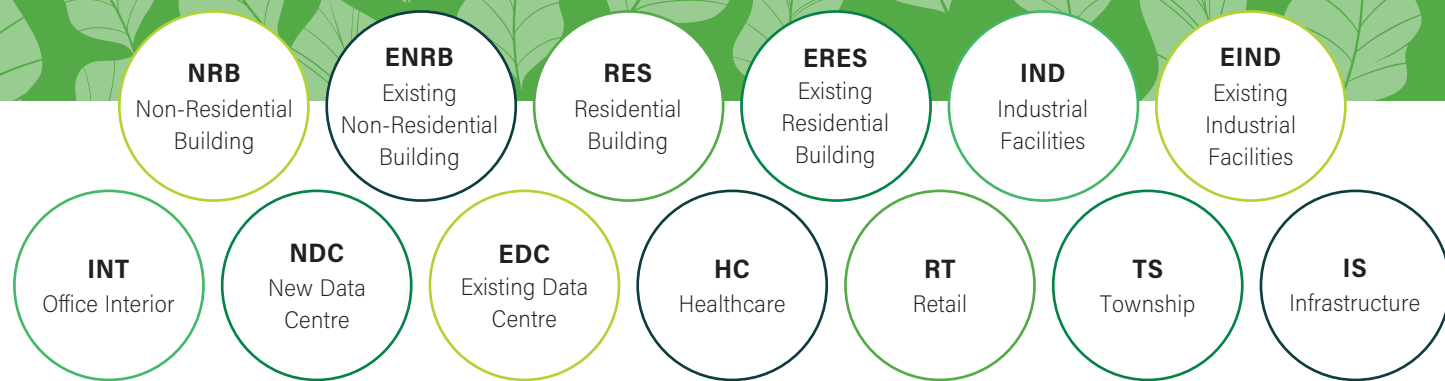
- To drive the real estate industry towards sustainable development
- To establish an objective standard of measurement for high-performance green buildings
- To promote efficient use of resources such as energy, water and other building materials
- To lower the carbon footprint of the built environment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

Performance is woven throughout the life cycle of the building, from Design, Construction and Sustainable Operations. Certified projects are required to renew their certification every 3 years to ensure the building maintains its sustainability performance.

GreenRE's standards and certification process are in line with UN's Sustainable Development Goals (SDGs) and World Green Building Council's commitment towards total sector decarbonisation by 2050.



# Rating Tools



GreenRE assessment criteria consists of 6 environmental impact categories namely:

## PART 1

NRB, ENRB, RES, ERES, IND, EIND, INT, HC, RT

**Part 1 - Energy Efficiency:** Building design and system selection to optimise the energy efficiency of buildings.

NDC, ENDC

**Part 1 - Energy Efficiency:** Approach that can be used in the New/Existing Data Centre and public amenities to optimise the energy efficiency of the New/Existing Data Centre.

TS

**Part 1 - Energy Efficiency:** Approach that can be used in the infrastructure and public amenities to optimise the energy efficiency of the township.

IS

**Part 1 - Landscape, Ecology and Land Efficiency:** Approach that can minimise impact to existing biodiversity of site area and provision of public amenities that are easily accessible.

## PART 2

NRB, ENRB, RES, ERES, IND, INT, EIND, NDC, ENDC, HC, RT

**Part 2 - Water Efficiency:** Selection of fittings and strategies enabling water use efficiency during construction and building operation.

TS

**Part 2 - Water Management:** Selection of fittings for public amenities and strategies towards efficient water usage and management.

IS

**Part 2 - Energy:** Design of infrastructure and public amenities to optimise energy efficiency. Incorporation of renewable energy systems are also encouraged.

## PART 3

NRB, RES, IND, INT, NDC, HC, RT

**Part 3 - Environmental Protection:** Design, practices and selection of materials and resources that would reduce the environmental impacts of built structures/interiors (for INT and RT).

ENRB, ERES, EIND, ENDC

**Part 3 - Sustainable Operation & Management:** Sustainability of operation and management that would reduce the environmental impacts upon building operation.

TS

**Part 3 - Material and Waste Management:** Design, practices and selection of materials and resources that would reduce the environmental impacts and the waste management strategies.

IS

**Part 3 - Water:** Selection of water fittings and strategies towards efficient water usage and management.

## PART 4

NRB, ENRB, RES, ERES, IND, EIND, INT, NDC, ENDC, HC, RT

**Part 4 - Indoor Environmental Quality:** Design strategies that would enhance the indoor environmental quality which include air quality, thermal comfort, acoustic control and daylighting.

TS

**Part 4 - Environmental Planning:** Design strategies that would enhance the indoor environmental quality which include air quality, thermal comfort, acoustic control and daylighting.

IS

**Part 4 - Project Management:** Application of appropriate management practices to facilitate enhanced environmental standards and stakeholder engagement in planning and execution of project.

## PART 5

NRB, ENRB, RES, ERES, IND, EIND, INT, NDC, ENDC, HC, RT

**Part 5 - Other Green Features:** Adoption of green practices and new technologies that are innovative and have potential environmental benefits.

TS

**Part 5 - Green Buildings & Green Transport:** Public transportation network and availability of green rated buildings within the township.

IS

**Part 5 - Waste Management and Environmental Protection:** Application of sustainable waste management practices, storm water design and selection of materials that would reduce environmental impacts.

## PART 6

NRB, ENRB, RES, ERES, IND, EIND, INT, HC, RT

**Part 6 - Carbon Footprint of Development:** Use of carbon calculator to calculate the carbon emission of the development.

NDC, ENDC

**Part 6 - Carbon Footprint of Development:** Operational and embodied carbon impact assessment aligned to Green House Gas (GHG) Protocol standards.





TS

**Part 6 - Community and Innovation:** Community involvement and innovative features available for the benefit of the community.

IS

**Part 6 - Innovation:** Green practices and new technologies that are innovative and have potential environmental, social and economic benefits.

# GreenRE Award Ratings

<b>BUILDINGS</b>	91 & above		86 ≤ 90		76 ≤ 85		50 ≤ 75	
<b>TOWNSHIP</b>	100 & above		90 ≤ 100		76 ≤ 90		60 ≤ 75	
<b>INFRASTRUCTURE</b>	91 & above		81 ≤ 90		71 ≤ 80		50 ≤ 70	
<b>OFFICE INTERIOR</b>	91 & above		81 ≤ 90		71 ≤ 80		50 ≤ 70	
<b>RETAIL</b>	96 & above		86 ≤ 95		76 ≤ 15		50 ≤ 75	

## THE CERTIFICATION PROCESS



Recognised by

Verification/Certification Partner



GreenRE Sdn Bhd 201301010643 (1040485-V)

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