



Leadership in Sustainable Design and Performance Award

World Green Building Council Asia Pacific Leadership in Green Building Awards 2022

Nominations open: 27 March - 15 July 2022

ASIA PACIFIC REGIONAL NETWORK





CRISTINA GAMBOA,
CEO,
WORLD GREEN BUILDING COUNCIL

"The Asia Pacific region has the unparalleled opportunity to share with the world its journey in securing low carbon and sustainable built environments. We look forward to receiving high quality nominations from industry leaders and groundbreaking infrastructure projects that demonstrate the viability of these much-needed solutions for both people and planet, whilst inspiring all of us to deliver them at scale."



CARY CHAN,
EXECUTIVE DIRECTOR OF HONG KONG GREEN
BUILDING COUNCIL
CHAIR OF ASIA PACIFIC REGIONAL NETWORK

"The 21st century belongs to the Asia-Pacific. New Global Leaders are emerging from this region in every sector. The APN Award is a wonderful platform to recognise the contribution of such stakeholders whose actions and accomplishments have set new benchmarks.

The pandemic has changed our perspectives towards Nature and Climate Change. In this scenario, we envisage the participation of Business Leaders, Projects and Women who give us more hope and continue to inspire millions to join the movement towards a sustainable built environment which is healthy, resource-efficient and resilient."



ANAND MUTHUKRISHNAN,
PRINCIPAL COUNSELLOR, INDIA GREEN
BUILDING COUNCIL
VICE CHAIR OF ASIA PACIFIC REGIONAL
NETWORK



ABOUT THE AWARDS

The Asia Pacific Leadership in Green Building Awards has been showcasing pioneering people, organisations and projects behind the sustainable building movement across Asia since 2014. This year, the awards will be celebrated during a pivotal event in WorldGBC's calendar: The 2022 Asia Pacific Network Festival.

2020 winners:

https://issuu.com/vburrows/docs/worldgbc_award_booklet_2020

Led by the WorldGBC Asia Pacific Network, together with 15 Green Building Councils across the region, the awards contain three categories: celebrating the inspiring business leaders by example, iconic buildings showcasing the best in green design and inspiring female leadership across the region. All of these align with WorldGBC's latest strategic impact areas and our Beyond the Business Case Report, helping to create a more purposeful and empowering sustainable environment in the Asia Pacific region.

Green building has reached a new horizon in the region, thanks to the industry's vision and innovation. To reflect this evolution, the 2022 Awards will focus on alignment with WorldGBC's three impact areas: Climate Action - Advancing Net Zero, Health & Wellbeing and Resource & Circularity.





NOMINATION PROCESS & ELIGIBILITY

The awards are managed nationally by each Green Building Council within the region. Nominations, supporting documentation and nomination fee should be submitted to your local GBC. The preference is for nominations to come from within the local Green Building Council membership. Nomination applicability will ultimately rest with the local GBCs.

The awards will again nominate five winners in the following categories:

- 1. Business Leadership in Sustainability Award:** Recognises companies that embed sustainability into their corporate DNA to create positive impact on the people, economies and our planet.
- 2. Leadership in Sustainable Design and Performance Award:** Presented to pioneering green building projects that are dedicated to advancing climate action, health & wellbeing, and resources & circularity.
- 3. Women in Green Building Leadership Award:** Celebrate female trailblazers who make extraordinary contributions to sustainable development, fueling ambitious young women and catalysing change.

NOMINATION FEE

The award nomination will incur an administration fee of US\$200 payable to your local GBC. Please check with your local GBC for payment details.





There are three separate awards available, including one for each category:

- Residential Building
- Commercial Building
- Institutional Building

All sections are equally weighted in terms of scoring.

This award recognises the leaders in the industry, which align with the global direction and actively explore and advocate the industry's best practices.

Submission entry is through the online form, with criteria listed below. Please also consider these guiding questions, where applicable:

1. What makes the project stand out in the industry, by going above and beyond the local best practices?
2. What are the lessons learned through the project design and delivery process?
3. What innovative features does the project apply?

CRITERIA & GUIDING QUESTIONS

The purpose of the Asia Pacific Leadership in Green Building Awards is to celebrate companies that have made sustainability (social, economic and environmental) part of their core business model and are contributing to the transition towards a sustainable built environment. To be eligible to apply, the core business of the company must be directly contributing to the building sector.

All buildings nominated must be operating for at least 12 months prior and be verified by an independent third party certification scheme. Please include a copy of the related green building certificate for verification. Projects may include new construction of single buildings, major retrofits or multiple building projects such as urban or district scale projects.

LEADERSHIP IN SUSTAINABLE DESIGN AND PERFORMANCE

The APN Award winner for all the project types will be evaluated according to three impact areas:

1. Climate Action

- Advancing Net Zero

2. Health & Wellbeing

3. Resources & Circularity



Whole Life Carbon Vision

2050

New buildings, infrastructure and renovations will have **net zero embodied carbon**, and all buildings, including existing buildings, must be **net zero operational carbon**.

Net Zero Operational Carbon

Definition

A net zero carbon building is highly energy efficient with all remaining energy from onsite and/or offsite renewable sources

Guiding Principles

- 1. Measure and disclose carbon**
Carbon is the ultimate metric to track, and buildings must achieve an annual operational net zero carbon emissions balance based on metered data
- 2. Reduce energy demand**
Prioritise energy efficiency to ensure that buildings are performing as efficiently as possible, and not wasting energy
- 3. Generate balance from renewables**
Supply remaining demand from renewable energy sources, preferably on-site followed by off-site, or from offsets
- 4. Improve verification and rigour**
Over time, progress to include embodied carbon and other impact areas such as zero water and zero waste

Net Zero Carbon Buildings Commitment
All buildings within direct control to operate at net zero carbon by 2030



2030

New buildings, infrastructure and renovations will have at least **40% less embodied carbon** with significant **upfront carbon reduction**, and all new buildings must be **net zero operational carbon**.

Net Zero Embodied Carbon

Definition

A net zero embodied carbon building (new or renovated) or infrastructure asset is highly resource efficient with **upfront carbon minimised** to the greatest extent possible and all remaining embodied carbon reduced or, as a last resort, offset in order to achieve net zero across the lifecycle.

Guiding Principles

- 1. Prevent**
Avoid embodied carbon from the outset by considering alternative strategies to deliver the desired function
- 2. Reduce and optimise**
Evaluate each design choice in terms of the upfront carbon reductions and as part of a whole lifecycle approach
- 3. Plan for the future**
Take steps to avoid future embodied carbon during and at end of life
- 4. Offset**
As a last resort, offset residual embodied carbon emissions within the project or organisational boundary where possible or if necessary through verified offset schemes

CLIMATE ACTION - ADVANCING NET ZERO



The project should follow the definition and guiding principles of WorldGBC's Whole Life Carbon Vision: highly energy efficient with all remaining energy from onsite and/or offsite renewable sources (Net Zero operational carbon), and highly resource efficient with upfront carbon minimised to the greatest extent possible, and all remaining embodied carbon reduced, or as a last resort, offset in order to achieve net zero across the lifecycle.

Project should comply with WorldGBC's net zero principles for net zero operational carbon:

1. Measure & disclose operational carbon

Carbon is the ultimate metric to track, and buildings must achieve an annual operational net zero carbon emissions balance based on metered data.

2. Reduce energy demand

Prioritise energy efficiency to ensure that buildings are performing as efficiently as possible and not wasting energy.

3. Generate balance from renewables

Supply remaining demand from renewable energy sources, preferably on-site followed by off-site, or from offsets.

4. Improve verification and rigour

Over time, progress to include embodied carbon and other impact areas such as zero water and zero waste.

Please illustrate how your project aligns with WorldGBC's Whole Life Carbon Vision.

In addition to the net zero principles for operational carbon, project should also explore and work on the net zero embodied carbon strategies.

What are the lessons learned through the process? What innovative solutions were applied to this project?

How does this project help to advance net zero supply and demand in the local market?

The award will give special recognition to projects that are able to meet Net Zero Embodied Carbon.

Please state how your project is doing this. Please limit to 600 words

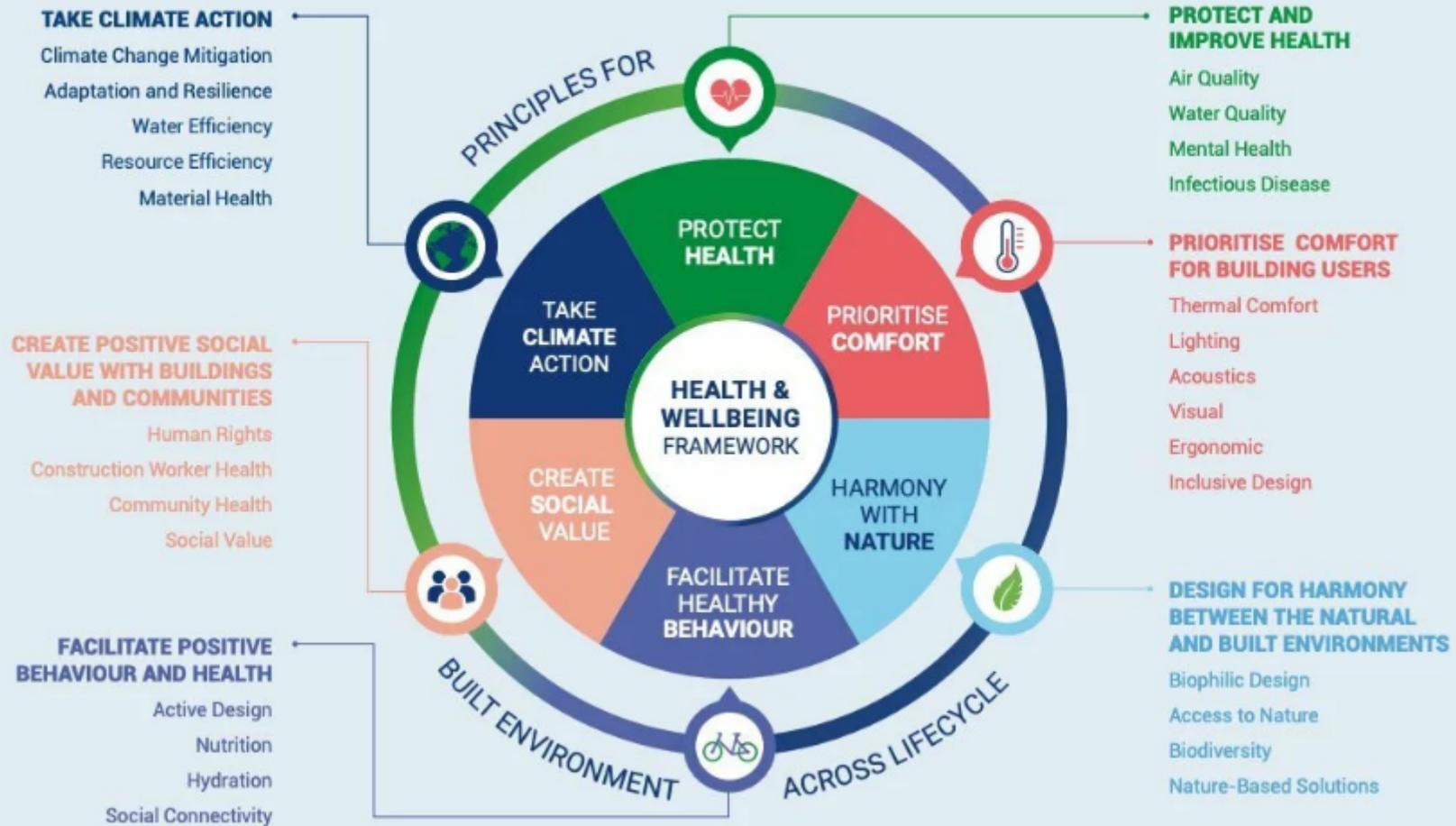
Please state how your project is doing this. Please limit to 600 words

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The WorldGBC Health & Wellbeing Framework

Six Principles for a Healthy, Sustainable Built Environment



HEALTH AND WELLBEING



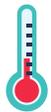
The project aligns with the WorldGBC Health & Wellbeing framework and demonstrates the strategies and methodologies to address health and wellbeing in the built environment.

The six framework principles are:



Protect Health

Protect and Improve Health, exploring: Air Quality, Water Quality, Mental Health and Infectious Disease.



Prioritise Comfort

Prioritise comfort for building occupiers, exploring: Thermal Comfort, Lighting, Acoustics, Visual, Ergonomic and Inclusive Design.



Harmony with Nature

Design for harmony between the natural and built environments, exploring: Biophilic Design, Access to Nature, Biodiversity and Nature-Based Solutions.



Positive Behaviour

Facilitate positive behaviour and health, exploring: Active Design, Nutrition, Hydration, Social Connectivity.



Social Value

Create positive social value with buildings and communities, exploring: Human Rights, Construction Worker Health, Community Health and Social Value.



Take Climate Action

Take climate action, exploring: Climate Change Mitigation, Adaptation and Resilience, Water Efficiency, Resource Efficiency and Material Health.

Reflecting on the WorldGBC Health & Wellbeing Framework principles, please illustrate how your project demonstrates the consideration of health and wellbeing.

Please state how your project is doing this. Please limit to 600 words

How does this project help to promote and enhance health and wellbeing in the built environment?

Please state how your project is doing this. Please limit to 600 words

What are the lessons learned through the process? What innovative solutions were applied to this project?

Please state how your project is doing this. Please limit to 600 words

RESOURCES AND CIRCULARITY



A circular building optimises the use of resources while minimising waste throughout its whole life cycle. The building's design, operation and deconstruction maximise value over time using:

- Durable products and services made of secondary, non toxic, sustainably sourced, or renewable, reusable or recyclable material;
- Space efficiency over time through shared occupancy, flexibility and adaptability;
- Longevity, resilience, durability, easy maintenance and reparability;
- Disassembly, reuse or recycling of embedded material, components and systems;
- Life cycle assessment (LCA), life cycle costing (LCC) and readily available digital information.

- Reference: WBCSD circularity report.

Circularity guiding principles:

Design using circular principles: ecosystem design, biomimicry, design for disassembly, design to use recycled material or materials within loop system.

Create products that can be fully recycled (eg. plastics) or decomposed (biological) at end of functional use cycle.

Support create of market for take back, collection and recycling of materials creating value from materials currently considered waste.

Facilitate product take back at end of use; leasing models for products, i.e. sell/collection of building materials or products put logistics in place.

Demonstrate innovation and best practice; show case studies of circular buildings and communities inspire industry to follow and incentivise wider systems shift.

What are the unique features applied in the project that reflects the alignment of Resources & Circularity? What lessons learned through the process?

Please state how your project is doing this. Please limit to 600 words

How does this project help to advance resources and circularity in the local market?

Please state how your project is doing this. Please limit to 600 words



CONTACT

Your local Green Building Council
[Members Directory](#) | [World Green Building Council](#) (worldgbc.org)

APPLY NOW

Please approach your
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