

Green Building Award 2010 results announced

New Buildings Category (Asia Pacific)

Grand Awards	Maosi Ecological Demonstration Primary School	Institutional / Community	China
	MoHURD No. 1 site: Post earthquake village re-construction and demonstration project in Ma'anqiao village	Institutional / Community	China
Merits	Kagoshima Museum of Environment: Planet Earth and its Future	Institutional / Community	Japan
	Pixel	Commercial	Australia
	Shenzhen IBR Headquarters	Institutional / Community	China
	Vanke Headquarters	Commercial	China

A brief summary of all finalists projects are listed as below (in alphabetical order):

The results of Green Building Award (GBA) 2010 were announced, which 6 Grand Awards and 18 Merit Awards were presented to projects that demonstrated outstanding green building qualities. Jointly organized by the Hong Kong Green Building Council (HKGBC) and the Professional Green Building Council (PGBC), GBA2010 received overwhelmingly positive response from quality green projects throughout Asia. A total of 45 finalists were carefully selected from entries coming from 18 Asia Pacific cities and from Hong Kong.



Maosi Ecological Demonstration Primary School



Ma'anqiao village

GBA2010 winning project teams were evaluated and selected by a profound Jury Panel which was formed by a diverse group of eminent local and international professionals comprising international experts, local legislative councilors, government officials, academia and leaders of professional institutions.

What Jurors Said about the Grand Award Winning Projects:

A combined **Grand Award in New Buildings Category (Asia Pacific)** was presented to the **Maosi Ecological Demonstration Primary School** and the **MoHURD No.1 site: Post earthquake village re-construction and demonstration project in Ma'anqiao village:**

They are a result of a unique and innovative collaboration between a university design and research team at the Chinese University of Hong Kong and local villagers in rural China. Both projects are premised on the application "high science" from academic research to enhance traditional "low" technology" solutions that the members of the respective communities could both comprehend, engage and apply within their limited means and capabilities. The solutions and acquired experience could then subsequently be replicated on a broader scale.



Kagoshima Museum of Environment: Planet Earth and its Future (Japan)

With the mission to provide visitors with an awareness of global environment issues and engender a stronger sense of environmental responsibility and stewardship, the design of the Kagoshima museum itself is an elegant demonstration how architecture



Pixel (Australia)

The ambition of being Australia's first carbon neutral building has resulted in a design that, in addition to achieving net zero carbon in operation, generates sufficient additional renewable energy that will offset the carbon embodied in its construction within 50 years.



Shenzhen IBR Headquarters

The Headquarters represents a demonstration of green and building integrated renewable energy technologies that are expressive of the Institutes mandate for building environmental research, consultation and dissemination.



Vanke Headquarters (Shenzhen)

The design of the Vanke Headquarters offers a creative and innovative rethinking of the notion of "skyscraper." By organizing a mixed-use building horizontally and elevating it above the ground has permitted the introduction of a host of environmental and social benefits not attainable with the conventional "skyscraper."

New Buildings Category (Hong Kong)

Grand Awards	Redevelopment of Lo Wu Correctional Institution	Institutional / Community
	Sau Mau Ping South Estate	Residential
Merits	Dormitory and Facility Extension of United Christian College (Kowloon East)	Institutional / Community
	HSBC New Data Centre at Tseung Kwan O Industrial Estate	Commercial
	Hong Kong Community College (West Kowloon Campus)	Institutional / Community
	Redevelopment of Upper Ngau Tau Kok Estate Phases 2&3	Residential
	Reprovisioning of Diamond Hill Crematorium	Institutional / Community
	Tseung Kwan O Sports Ground	Institutional / Community

Grand Awards were given to two equally distinctive projects in the **New Buildings Category (Hong Kong)**:

1) **Redevelopment of Lo Wu Correctional Institution**: The jury panel recognized the enormous constraints this project is subjected to and appreciates many sustainable design strategies adopted which are imaginative and effective. Site planning for this development maximizes land-use and also has achieved a high level of greening despite the various tight design guidelines for a correctional institute. The panel was particularly impressed with the cool plenum and induced ventilation system through the cells that are not air-conditioned. In addition, the panel commended the use of natural lighting in creating a habitable and energy efficient environment for the inmates. The project has demonstrated that consistent and innovative application of green strategy even in highly constrained projects can result in humane and comfortable environments.

2) **Sau Mau Ping South Estate**, located in an established urban setting, provides for 4,000 flats in 5 New Harmony blocks, was designed with sustainable and energy saving right from the start of the project. The jury panel was impressed with the comprehensive nature of the project from site planning to detailed block design in responding to the climatic condition of the site. The creation of wind scoop to encourage natural ventilation through the housing blocks that are less exposed to the prevailing wind is particularly innovative. Greening strategy has proven to be very sound with existing trees preserved and more than 43% green site coverage.



Lo Wu Correctional Institution



Sau Mau Ping South Estate



Dormitory and Facility Extension of United Christian College (Kowloon East)

The panel of jury is impressed with the light and airy design with many passive energy saving strategies in this project which is located at a very tight site.



HSBC New Data Centre at Tseung Kwan O Industrial Estate

The innovative design for this rather mundane function has added many exciting features to this Centre so much so that the energy cost has been consistently low and the pleasant environment bordering the land-filled industrial site has attracted office workers to move from Central to work here.



Reprovisioning of Diamond Hill Crematorium

The panel of jury is delighted with the excellent landscape design of the project with a very high percentage of greening. The use of local materials and pre-fabrication construction contributes to the sustainable aspect of the project which was a major focus in the design process.



Tseung Kwan O Sports Ground

The stadium is carefully oriented to take advantage of the breezeway and the avoidance of ill effect on the athletes through wind-tunnel testing is commendable.



Hong Kong Community College (West Kowloon Campus)

The vertical teaching facilities tackle a difficult problem of providing greening in a building with tight budgets and site condition. The panel of jury considers the provision of vertical sky gardens as effective means of controlling the micro-climate of the building while providing habitable and much-welcome open space for the students.



Redevelopment of Upper Ngau Tau Kok Estate Ph. 2&3

Working under tight constraints on budget and design, this project focuses on passive design and community participation. Careful consideration had been given to the wind path and the potential of wind corridor through the estate.

Existing Buildings Category (Asia Pacific & Hong Kong)

Grand Awards	Festival Walk – Continuous Low Carbon Operation	Facility Management	Hong Kong
	Skyline Tower	Facility Management	Hong Kong
Merits	BeneVille	Facility Management	Hong Kong
	CBRE Hong Kong Office –Three Exchange Square	Interior Design	Hong Kong
	Metroplaza's Green Management Program	Facility Management	Hong Kong
	The Hong Kong Polytechnic University - GH Podium Annex	Revitalisation	Hong Kong
	To Better Sustain Choi Hung Estate – A People Oriented Approach	Revitalisation	Hong Kong
	Yau Residence	Interior Design	Hong Kong



Two Grand Awards were given to two quality green projects in the **Existing Buildings Category (Facility Management Sub-Category)**:

1) **Festival Walk - Continuous Low Carbon Operation**: The systematic and continuing improvement in the use of new equipment with enhanced control has led to the achievement under a step by step yearly improvement programme: 30% improvement in the efficiency of the air-conditioning system. Comprehensive energy saving, waste management, engagement with tenants, knowledge sharing with the wider community, collaboration with researchers, promulgation of technical guidelines for tenants/contractors, etc. cumulated as an overall sustainability strategy for continuing improvement has set the Owner as a pioneer and innovator of sustainability in facility management. It was also encouraging to learn that the Owner has also set target for 20% improvement in the next 10 years. This could only be possible through the commitment of senior management together with the hard and innovative output of the facility management professionals and the buying in of all stakeholders.



Skyline Tower

2) **Skyline Tower**: Apart from the continuing effort in the operation and maintenance of the buildings in energy saving, waste reduction and harvested rainwater for irrigation, etc. the property manager has demonstrated vividly how one of the triple bottom lines of sustainability



BeneVille

Bene Ville is a role model for green facility management in residential estate with the active involvement of owners/ occupiers in the caring of the environment in achieving quality living and energy savings and reducing waste.



Metroplaza's Green Management Program

The management's commitment to continuing improvement the shopping environment is demonstrated through greening, reduction in energy consumption and adoption of 6R environmental management for tenants and greener environment for the patrons of the shopping complex.



The Hong Kong Polytechnic University – GH Podium Annex

The provision of natural lighting and ventilation at roof for internal small office cells in the new Annex with the idea borrowed from the previously existed north light thereat, shading to west facing glazed wall to reduce glare and heat gain and careful siting and screening of the condensing units for this small development are commendable.



To Better Sustain Choi Hung Estate – A People Oriented Approach

Through enhancement of the environment with improved activity corners, vertical accessibility, green roofs and communal facilities gives new lease of life with added new amenities to this old residential estate.



CBRE Hong Kong Office – Three Exchange Square

The conscious choice of energy efficient lighting systems, environmental friendly finishing materials, such as carpet tiles, bamboo boards, etc. maintenance of maximum daylight to most part of the office, practical provision for separation of waste and recycling are all good measuring for internal environmental quality and reducing impact to the environment to demonstrate leadership in sustainability.



Yau Residence

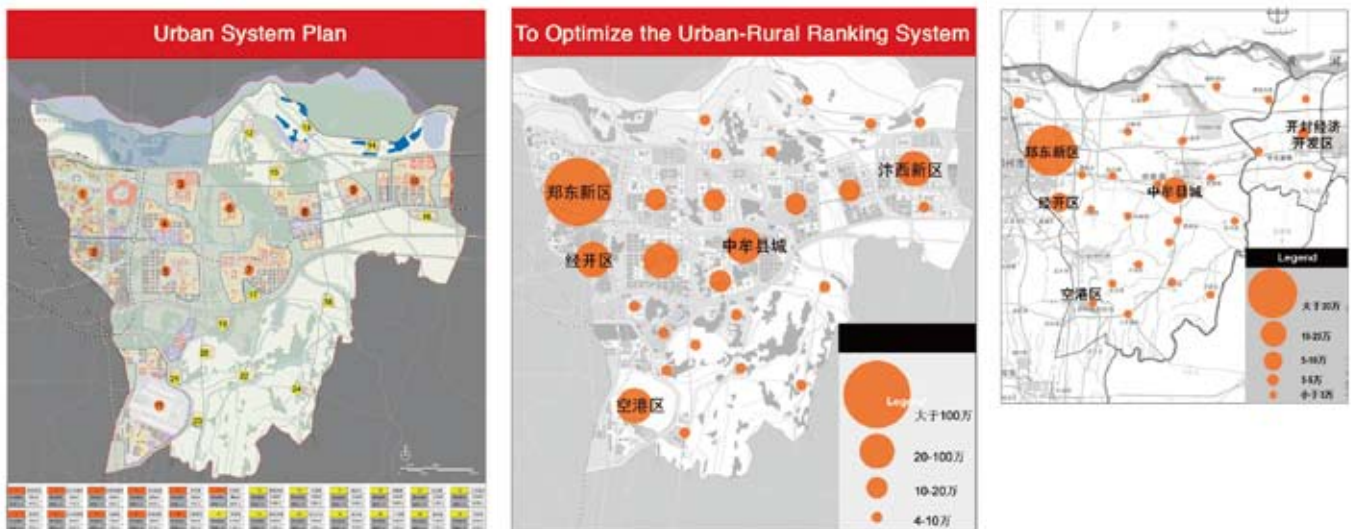
Perseverance of the Owners in getting professional help to renovate their residential flat in one of the densely populated area in Hong Kong to provide a green living environment and the willingness of sets as an exemplary practice for individual residential flat owners in pursue of preserving the environment.

Research & Planning Category (Asia Pacific & Hong Kong)			
Grand Award	Zhengbian New District Regional Strategy Plan (City of Zhengzhou, China) - Developing a Carbon Audit Methodology for Regional Land Use Planning	Planning Study	China
Merits	Beijing Changxidian Low Carbon Community Regulatory Zoning Plan (China) -	Planning Study	China
	Pioneering the Development of Low Carbon Zoning Codes in China Consultancy Study on Building Design that Supports Sustainable Urban Living Space in Hong Kong	Research Study	Hong Kong

– social sustainability could be achieved in an urban context. The Jury Panel was impressed by the effort the property manager put into practice in the Mission Green Top programme in availing the Green Roof for the enjoyment of tenants and for the creation of a place for organic farming implemented by tenants and people with disabilities from Fu Hong Society.

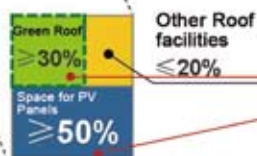
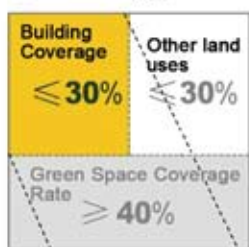
One Grand Award was given to the **Research and Planning Category** to the **Zhengbian New District Regional Strategy Plan (City of Zhengzhou, China) – Developing a Carbon Audit Methodology for Regional Land Use Planning**: In developing the regional

plan, comprehensive planning strategies reflecting sustainable and low carbon targets covering energy demand and supply management, water resources, waste management, landscape ecology, green transport, etc. were adopted in this study to tackle issues related to climate change and the rapid pace of urbanization of the “Zhengbian New District” region. The Jurors were particularly impressed by the originality of the planning tool, using the Carbon Dioxide Emission Audit Framework to select land use options in order to manage urbanization and steer the urban-rural development towards a low carbon future.



Zhengbian New District Regional Strategy Plan (City of Zhengzhou, China)

C Energy



Other Roof facilities $\leq 20\%$



Beijing Changxidian Low Carbon Community Regulatory Zoning Plan (China) – Pioneering the Development of Low Carbon Zoning Codes in China

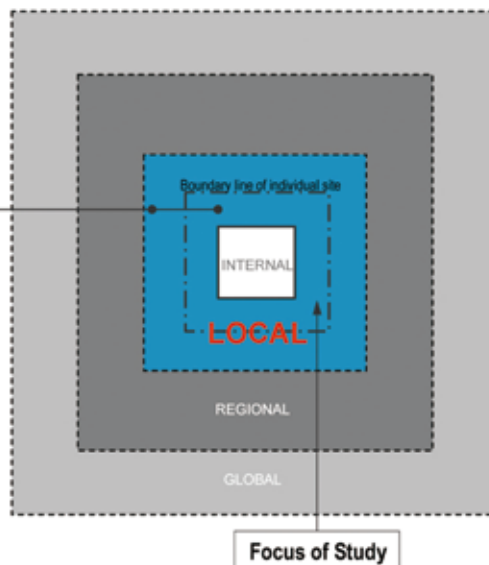
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Apart from adopting sustainable development principles in further developing the concept to produce a low carbon zoning plan for a mixed-use development of a 500- hectare site, the study has also put forth innovative proposals, including the use of Low Carbon Zoning Codes with strong green concept and standards.

Generic Sustainable Urban Living Space Issues in Hong Kong:

Air Ventilation, Heat Island Effect, etc. Pedestrian Environment Greenery

The Study is to review **building regulations and practices** and recommend any areas for improvement with a view to promoting **new building design** of individual development sites that can make our **urban living space** more sustainable.



Consultancy Study on Building Design that Supports Sustainable Urban Living Space in Hong Kong

This study has provided a good starting point for addressing the critical issues of current high density built environment in Hong Kong. The jurors noted that the three core recommendations related to building permeability, building setback and site coverage of greenery are particularly relevant to the Hong Kong situation, and may provide a scientific basis for regulating building developments in future.