

## **Parkview Green wins Mipim Green Building of the Year using AET Flexible Space - the world's leading Underfloor Air Conditioning System**

Elected by votes from over 2000 participants at MIPIM Asia 2010 The Parkview Green project comprising 240 000m<sup>2</sup> of Retail, Office and Hotel facilities won the "Green Building of the Year" award.

The building has made use of many innovative techniques and is the First LEED Platinum building to be developed in China.

The 80,000m<sup>2</sup> offices are served by the AET Flexible Space Underfloor air conditioning system which has been adopted in several major projects in Asia during the last two years including the state of the art MICROSOFT 20,000m<sup>2</sup> Campus Phase 1 in Shanghai, the 200,000m<sup>2</sup> Sino Chem Cruise terminal Office development and the MIRAE Asset Management Tower in Pudong Shanghai. In Hong Kong the 90 Floor Nina Tower and the 100,000m<sup>2</sup> CENTER also make use of this concept which has been shown to save in the region of 20% Energy compared with conventional ceiling based systems.

An article from e-architect journal on the Parkview project has been attached further below.

The Flexible Space Underfloor Air Conditioning System is exclusively represented by EKA Group in Cyprus, Greece, Serbia, Romania, U.A.E and Qatar. Some of EKA's clients who have adopted the F.S.S. in their office buildings are: Bank of Cyprus, Laiki Bank, Hellenic Bank, PWC, KPMG, CYTA, Eurobank, Alpha Bank, ELLAKTOR, Majid Al Futtaim.

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## Parkview Green Beijing

### PARKVIEW GREEN ON TRACK TO MEET CHINA'S NEW TARGET FOR REDUCTION IN CARBON INTENSITY

New Mixed-use development in Beijing will meet 40% reduction and is on track for LEED Platinum certification

As world leaders meet in Copenhagen for the United Nations Climate Change Conference, (7-18th December) Parkview Green, a major new mixed-use development in Beijing, is on track to be the first building in China to achieve the Platinum certification by the LEED (Leadership in Energy and Environmental Design) Green Building Rating System.



At the China-EU Summit in November 2009, Chinese Premier, Wen Jiabao stressed China's commitment to reducing the levels of carbon intensity by 40-45% by 2020. When Parkview Green opens in 2010 it aims to achieve this target of a 40% decrease in energy use, saving 5000 tonnes of carbon each year, using China's current Green building code as the baseline comparison.

When Parkview Green opens in mid 2010, it aims to join the global elite of the small group of buildings worldwide that have achieved the Platinum level certification under LEED, the world's largest and fastest-growing green building certification system, which sets the most stringent standards possible for environmental sustainability.

"There are very few buildings that get certified at the Platinum level," says Robert Watson of the EcoTech International Group, a pioneer of the global green building industry who was instrumental in creating the LEED system. "This building is on track to be the first in China to achieve this level of certification. It is a standout achievement, not just in China, but in the world. LEED right now is only achievable by a small proportion of buildings in the world, and Platinum is the pinnacle of achievement."

The Parkview Green project, situated between Beijing's embassy district and the Central Business District, was designed to be a standout building when planning began almost ten years ago, long before environmentally conscious design was mainstream in China. The project, designed by Winston Shu of Integrated Design Associates, aimed to create a striking architectural landmark, and to respond to the constraints of the site, working harmoniously with its neighbours.



Leo Hwang of the Hong Kong Parkview Group, who is developing this project, says: "The building is an architectural landmark, taking its place alongside the most acclaimed contemporary buildings in the Chinese capital. In terms of office space we have one of the most innovative offerings on the market not only in China but in the world."

Parkview Green is a large, pyramidal envelope embracing over two million square feet of mixed-use space in four buildings in a glass and ETFE outer skin, the same material as the world-famous Olympic Swim Cube. The cutting edge complex includes offices, a hotel, a multi-storey mall and a bridged public route through the heart of the building.

Parkview Green's sustainability does not rely on over-complicated technology, or systems that are prone to failure. The majority of the energy efficiency savings in the building are made from well-orchestrated passive systems. The structure is not air conditioned inside. The whole interior space acts as a solar chimney, with the 89m highest point of the pyramidal form drawing warm air up and out of the building. Instead of energy-hungry air conditioning and hermetically sealed offices, the office and retail areas are ventilated through underground ducts, using the naturally consistent temperature of the earth, and chilled ceilings.

The architect, Integrated Design Associates and the engineer Arup, worked together on the energy strategy without initially realising the achievements within the LEED system which could be attained. Points are awarded in seven categories, from Materials and Resources, Indoor Air Quality to Water Efficiency. To attain Platinum status (the highest rating) a building must attain more than 80 points out of a possible 100. Parkview Green looks set to achieve this.

Watson says: "The developers of Parkview Green wanted something else to set them apart. I think tenants and owners are becoming aware of value of LEED brand itself," he adds, "and also the value of the activities that lead to the receiving of the brand's certification. You really have to achieve something and have a comprehensive integrated approach to green building."

Parkview Green has also struck a partnership with sustainable contract furniture specialists Haworth, whose philosophy is to design great interiors with the best products, but also to refurbish and recycle the furniture when a tenancy ends, ensuring a much extended life for interiors and fittings. This completes the LEED-certified environmental design story of Parkview Green.

Hwang adds: "If you buy into this concept, you will get a LEED-certified interior as well as LEED-certified Platinum shell and core. This is really unique, not just in China but around the world. The lease includes everything and it's sustainable."