

Sustainability Features of HSBC Building



HSBC 
The world's local bank

Introduction to HSBC Building

HSBC Building is home to the Bank's new China head office, located at the heart of Pudong's Lujiazui financial district.

This 53-storey, 250-metre-tall construction is the creation of the renowned architect César Pelli, whose previous masterpieces include the Petronas Twin Towers in Kuala Lumpur and the ifc Hong Kong. HSBC Building's design embodies the finest in minimalism and elegance.

HSBC's investment in the new China head office symbolises the Bank's long-term commitment to China and its confidence in the development of Shanghai into an international financial centre.





Sustainability Features

A healthy environment forms the foundation for a sustainable business. So, at HSBC, where sustainable development is the key to long-term success, we firmly believe in the need to ensure that behaviours and decisions take into consideration humanity's ultimate interests. As the first major global bank to become carbon neutral, HSBC has adopted the highest international standards for doing business, taking measures to minimise any negative impact that our daily global operations may have on the environment. Furthermore, HSBC seeks to support a low-carbon economy.

Guided by the Bank's sustainability principle, HSBC Building advocates energy-saving, environmental protection and sustainable development. It has been conceived to improve energy efficiency and limit the Bank's environmental footprint, while keeping with HSBC Group's commitment to be a leader in corporate sustainability.

HSBC Building has been pre-approved for Leadership in Energy and Environmental Design (LEED) certification, the global standard for environmentally sustainable design, construction and operation of buildings.

Further reinforcing HSBC's commitment to sustainability, HSBC China's total outfitting of office space has achieved LEED-CI ("Commercial Interiors") Gold certification.

For instance, every two floors in HSBC Building are connected by a private staircase to encourage employees to limit the use of elevators, helping to reduce energy consumption.

Both the construction of HSBC Building's core and shell and the completion of HSBC China's internal office space have addressed important aspects affecting human and environmental health – sustainable site development, water savings, energy efficiency, materials selection and indoor environmental quality.



Sustainability Initiatives in HSBC Building

Key sustainability initiatives in HSBC Building include the following:

HSBC Building Signage

The signage at the top of HSBC Building is a state-of-the-art light-emitting diode (LED) panel that is 80% more energy-efficient than typical neon lighting systems. This is a first for the HSBC Group. The advanced LED technology further allows for the transition between English and Chinese versions of the HSBC logo, an option not available with typical neon signs. The signage will remain static during the day, and in the evening, the signage, controlled by a light sensor, will alternate between English and Chinese every 20 minutes.



Outfitting of Building Interiors

Highlights include:

- Ventilation and air conditioning systems that enable controls by segmented areas rather than by floor. This allows departments to regulate their area temperatures, reducing energy usage and costs.
- Water-efficient faucets and toilets that reduce water use by 40%.
- 95% of seated spaces receive natural daylight that allows for the reduction of interior light intensity, thereby lowering electricity usage.
- Interior lighting operated by sensors and systems that automatically shut off lighting once the room is vacated.
- Each desk equipped with its own task lamp controllable by the individual user to avoid excessive consumption of energy.
- Construction using sustainable materials and insulation, such as double-layer Low-E insulating glass windows designed to introduce natural light and reduce the amount of ultraviolet light, thereby helping to keep interiors cool and reducing the use of air conditioning systems.
- Materials used for individual work stations contain no PVC, chrome, polybrominated diphenyl ethers (PBDE) and formaldehyde, with up to 53% recycled content by weight. In addition, renewable energy credits have been purchased to offset the

electricity used in assembly.

- Chairs are made from 94% recycled materials and are 66% recyclable.

Cleaning and Maintenance

HSBC Building is committed to hiring a third-party vendor who shares HSBC's sustainability principles in conducting daily cleaning with environment-friendly sanitation and hygiene products, in an effort to reduce negative impact on the environment.



Printing

The number of printers has been reduced in HSBC Building requiring employees to operate them with their staff cards at centralised printing areas on each floor, ultimately encouraging staff to minimise the use of printing paper.

Waste Management

What's more, the Centralised Waste Management Programme is introduced in HSBC Building with several new initiatives that include the removal of waste bins at individual workstations and the setup of centralised waste collection points on each floor. The centralised points will also have recycling bins for the disposal of paper, metal and plastic waste.

Centralised Waste Management is helping to realise the concept of "THINK BEFORE YOU THROW" – not only changing the waste disposal habits of individual staff, but also minimising the overall creation of waste.

Video Conferencing

There is a total of five video conferencing facilities in the HSBC China new head office.

Employees are encouraged to use video conferencing facilities whenever possible to reduce travel costs and to help minimise the Bank's overall carbon dioxide emissions.

