

Background about your business, organization, or company

HASSELL is an international design practice with 13 studios in Australia, China, South East Asia and the United Kingdom. With more than 900 people and a track record spanning 70 years, we work globally across a diverse range of markets. An interdisciplinary practice, we combine expertise in architecture, interior design, landscape architecture and planning with integrated sustainability and urban design capabilities.

As a single, privately owned partnership, each of our studios has the flexibility and autonomy to service both local and global clients, and the advantage of access to our combined resources and collective experience.

The 2011 BD World Architecture Top 100 Survey ranked HASSELL Australasia's number one architectural design practice. We are proud to have won more than 650 design awards.

Contact information:

Contact Person: Jacynth Wang

Job Title: Communications Manager

Address:

Building 8 Xing Fu Ma Tou 1029 South Zhongshan Road Huangpu District Shanghai China 200011

Email: jwang@hassellstudio.com

Tel: +8621 6887 8777

Mobile: +8613816975031

Website: www.hassellstudio.com

Detailed explanation of the entry to include:

- **What the entry is and its intended use.**
- **How the project was conceived and executed.**

Entry project: HASSELL's studio in Shanghai.

HASSELL first set up its studio in Shanghai in 1993. After seven years, the company's operations in China grew to over 250 people. In Shanghai alone, the studio has about 150 staff. After a long search, HASSELL decided on an open loft space in a former motorcycle factory located by the Bund.

The challenge of this project is to breathe new life into the former motorcycle factory by creating a suite of open-plan interconnected studio and meeting spaces. There was a need to create work stations for about 150 people, a large conference room and several smaller meeting rooms/spaces for discussions and video conferencing. Natural lighting and bamboo plants were added to create a healthy working environment and also to integrate elements of local Chinese culture. A gym was also planned to cater to the employee's needs to maintain a healthy work-life balanced lifestyle.

How the entry exhibits excellence in sustainability and environmental responsibility.**About HASSELL Studio, Shanghai**

HASSELL's studio in Shanghai is located in a former motorcycle factory on the Southern Bund of the Huangpu River, the city's historic commerce waterway. The refurbished building is an open space loft that spans across 2,300 square metres and houses more than 150 staff. The studio is set 20 metres back from the west bank of the river in a building cluster and the air is filled with the sound of fog horns from passing coal barges and ferries in the afternoon.

Breathing new life and purpose into an old space with a distinctive character is something that HASSELL believes in. The design firm had previously converted a bread factory to create its Brisbane studio, while its Melbourne office was formerly a disused clothing plant. Sustainability design elements and measures were incorporated in those rejuvenations.

HASSELL Shanghai studio's received the **Leadership in Energy and Environmental Design Gold standard for commercial interiors** in 2011 from the **U.S. Green Building Council**. This LEED certification is awarded to projects that fulfill key sustainable features including site selection to minimize environmental impact, good building fabric insulation and the use of natural daylight.

For instance, the use of glass panels on the roof of the HASSELL Shanghai studio introduces natural light during the day and amplifies the sense of spaciousness of the walkway. Natural lighting also contributes to energy savings and allows HASSELL to plant bamboo indoors, which is closely associated with local culture and augments a healthy working environment.

The studio's lighting is also designed with low power density, and smart sensors that adjusts levels according to zones, timing, and motion detection.

HASSELL also incorporates bicycle storage space and shower rooms to encourage staff to cycle to and from work -- encouraging a healthy lifestyle while at the same time minimizing the impact on the environment through reducing automobile use. An attic space is used as an indoor gym with six stationary bicycles. Spinning classes are held every Tuesdays and Thursdays after-hours for staff.

Based on the concepts of connectivity, clarity and community, the HASSELL Shanghai workplace was created to be a positive and healthy environment to encourage creativity and communication.

Key Sustainable Features of HASSELL Shanghai Studio:

Considered site selection

The studio is located in a developed urban area with existing infrastructure, which protects green field sites, preserves habitat and natural resources. It is well connected to public transportation, which can reduce pollution and land development impacts from automobile use. The studio is designed with bicycle storage spaces and shower rooms to encourage staff to cycle to work; this will also reduce pollution and land development impacts from automobile use.

Good building fabric insulation

Base building's low Solar Reflectance Index (SRI) roof helped reduce the studio's Heat Island Effect (HIE). Good insulation reduces cooling and heating demand therefore reduces energy use.

Natural day lighting

The use of glass panels on the roof to introduce natural day lighting and created spaciousness on the walkway. Natural lighting contributes to lighting energy saving and financial benefits, it also allows HASSELL to plant bamboo indoor, emphasizing local culture and provide good indoor environment for healthy working environment.

Efficient lighting design and control system

The studio's lighting is designed with low power density; lighting control comes with zoning, timing, light sensor control and motion detector control.

Space and energy Efficient Heating Ventilation and Air Conditioning System (HVAC)

The studio comes with space efficient HVAC plant and equipment, high Coefficient of Performance (COP) air cooled reversed cycle Variable Refrigerant Volume (VRV) System, coupled with a micro processor based central controller for optimum operation and multiple indoor Fan Coil Units for zoned control for thermal comfort and energy optimization.

Enhanced outdoor air supply and CO2 monitoring system for good indoor air quality

30 % energy saving compared to baseline building

30 % water saving compared to baseline building

In order to save water, water fittings and fixture's flow and flush rate reduction. Choice of water efficiency plant, for landscaping in the office, native and low-density planted bamboo was chosen, this significantly reduces the landscaping water usage.

Heat recovery system for hot water heating

Rejected heat from computer server room is recovered for hot water heating therefore provides energy saving and reduces heat island effect.

Low VOC material

Sustainability generally comprises three aspects – environmental, social and economic sustainability. The low volatile organic compounds (VOC) material contributes to environmental and social sustainability in this instance. Low VOC material reduces pollutants to the indoor environment.

Rapidly renewable material

The use of bamboo flooring reduces the use and depletion of finite as bamboo is a rapidly renewable material.

Construction waste management

During construction avoid sending waste to waste station and recycle and reuse where possible.

Energy Star equipments

Use of Energy star rated office equipment to reduce energy consumption

Green power

Use green power that reduces environmental impact.











