



Two More EMSI China Projects Receive LEED Certification

November 3, 2008

Two EMSI clients BHP Billiton and Siemens have recently received LEED Gold certification for their China projects under the US Green Building Council's LEED for Commercial Interiors (LEED CI) rating system. LEED is the official green building rating system of the U.S. Green Building Council (USGBC).

Siemens' new Guangzhou office is the first Siemens project to earn LEED certification in China. It is located in an existing high rise tower in Guangzhou, with easy access to public transit and other urban amenities. The design team created an energy efficient lighting system with both daylight sensors and occupancy sensors to reduce lighting energy consumption. The daylight sensors are used to monitor daylight levels in office spaces and automatically dim lights when there is sufficient natural light entering the building. Occupancy (or motion) sensors are used to automatically turn lights on and off based on need. The Siemens' office also installed Energy Star appliances for over 90% of applicable equipment. As a follow on to the above projects, EMSI is currently consulting on Siemens' 663,300 ft² Shanghai headquarters.

BHP Billiton's new 22,800 ft² office also earned LEED Gold certification. The new Shanghai office will serve as headquarters for BHP Billiton China. The project's environmentally friendly design employed water efficient plumbing fixtures, including waterless urinals, water efficient showerheads and lavatories. The project also features energy efficient lighting systems, including daylight and occupancy sensors. Almost all office spaces have direct access to daylight, and over 70% of spaces have views of the central city.



Indoor air quality was a focus area of this project. The project team specified use of low-VOC paints and coatings, and conducted air quality testing at the end of construction to ensure clean indoor air. The project used a combination of reused furniture from the original office, and "GreenGuard" certified office chairs that are 98% recyclable.

Earlier this year EMSI also consulted on HOK Beijing's new office expansion and renovation, which earned LEED CI Gold; and HOK's Shanghai office, which received LEED CI at the Silver level. The Gold-rated Beijing project earned credits under the LEED system for being centrally located with convenient access to public transit services, and features low emitting finishes, environmentally friendly and ergonomic office furniture, reuse of 40% of existing interior walls, flooring and ceiling; and purchase of green power.

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