

## **The Willis Building – London’s Latest “Greenscraper”**

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- The Willis Building was awarded an Environmental Performance Indicator of 10/10 for its low energy consumption and the high standards of sustainable construction employed.
- The building received the top rating from the Forest Stewardship Council (FSC) as all wood products used in the construction were from sustainable sources.
- The energy-efficient façade incorporates high efficiency double glazing and a distinctive saw-tooth design to prevent overheating, reduce air conditioning usage and optimize the amount of natural light.
- Automatic light sensors and low-energy light bulbs help beat requirements for fuel and power conservation by 20 percent.
- The Willis Building is designed to achieve a daily water consumption of less than 20 liters per full-time Associate. Water conservation measures such as automatic taps, individual flush sensors and leak detection/isolation have also been introduced, helping reduce water consumption to 30 percent below the average. Rainwater is collected across the site, filtered, stored in tanks in the basement and used for irrigating the landscaping around the plaza.
- A six-storey planted “green wall” concept on the North side façades encourages biodiversity on the site.
- Rubbish bins have been replaced by desktop paper receptacles. Recycling is encouraged by use of waste segregation methods.
- Although required to meet the energy conservation targets defined in the 2002 Building Regulations, the development actually exceeds the far more stringent 2006 regulations by 20 percent for its carbon dioxide emissions.
- During construction, material from the demolition of the old building was recycled and crushed for use in the foundations of the new building, reducing wastage and vehicle movements to and from site. By weight, 77.6 percent of construction waste has been recycled or reused.
- The building services equipment (boilers for heating, chillers for cooling) is all highly energy efficient and centrally controlled to maximize performance.
- The Willis Building was designed by Norman Foster’s company Foster + Partners which was also responsible for the landmark Willis building in Ipswich, a pioneering example of energy-conscious design.
- There are 200 bike spaces and shower/locker facilities to encourage Associates to cycle to work.