



## HTC's 'Green' Global Headquarters

### Building a 'Green' Global Headquarters to Reduce Our Environmental Impact

As a global leader in mobile technologies and a responsible corporate citizen, HTC Corporation ("HTC") is committed to minimize our impact on the environment while providing a healthy and safe workplace for employees. Located in Taipei and built in 2012, our new global headquarters' design, construction and operations were all developed with environmental impact and sustainability in mind. With more than 900,000 square feet of space and more than 1,700 employees onsite, notable features of our Taipei flagship building include:

- Energy-efficient light fixtures
- Thermal processes that recapture energy
- Onsite water recycling – 12,900 tons of rainwater and grey water are expected to be treated and reused annually for flushing toilets and landscaping
- Carpooling, biking and public transportation perks to reduce carbon emission
- Custom-designed, eco-friendly outdoor green space are accessible to employees to enjoy
- Underground parking garage to reduce hardscape and optimize soil water absorption and conservation



### Energy Efficient Design

As we built our new global headquarters we pursued design, technology and operational strategies to reduce and conserve energy and meet ASHRAE 90.1-2007 requirements. Examples of the energy efficient technologies we utilized are:

- Improved thermal envelope to promote optimal insulation control and efficiency
- Reduced interior lighting power density by using high-efficiency lighting and direct and indirect daylight
- Demand-controlled ventilation to supply ventilated air based on actual occupancy
- High-efficiency chilled water system to optimize energy consumption while providing air conditioning comfort
- Variable-speed pumping systems to save energy, reduce life-cycle cost and enhance performance
- Variable-speed cooling tower fans to reduce electrical consumption
- Thermal ice storage system to provide a steady source of low temperature fluids for process cooling application
- Refrigerant R-134a HCFC in the air conditioning systems to reduce the impact on the ozone layer



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### Water Efficiency – Reducing Tap Water Usage by 60 percent

Our global headquarters is equipped with rainwater and greywater catchment systems that recover over 5,000 tons of cooling water from the air conditioning systems and 7,900 tons of rainwater every year. The recovered water is collected and processed for toilet flushing and plant watering. Through these initiatives, we are able to reduce tap water usage by 60 percent annually. Drought-tolerant and native plants also help to optimize the use of water.



### Indoor Environmental Quality – Reducing Exposure to Indoor Air Pollutants

Following the LEED guidelines, HTC has taken steps to protect its employees from the adverse effects of indoor air pollutants. To ensure sufficient and clean outdoor air for all occupants in the building, we have a no-smoking policy on company premises, the ventilation system is designed according to ASHRAE Standard 62.1., and the outdoor air volume for indoor areas exceeds the requirement of ASHRAE Standard 62.1. Carbon dioxide sensors and outdoor air flow meters are installed in the building to monitor indoor air quality and ensure sufficient fresh air for all spaces. The air conditioning system design also follows ASHRAE Standard 55 to make sure all employees in the building can work in a comfortable environment.



Storage areas for hazardous gas and chemicals are controlled and designed to be sufficiently exhausted to create a negative pressure in respect to surrounding area.

### Reuse and Recycling – Keeping Recyclable Materials out of Landfills

To prevent waste, conserve natural resources and reduce air and water pollution, we used sustainable and eco-friendly building processes, materials and management during each construction phase. We maximized waste recovery and reduction, and installed recycling bins around the building to collect recyclable materials such as paper, plastic, glass, metal, batteries, electrical appliances, light bulbs and compost.

