

Global Technology Centres

Group Sustainable Development teams have implemented innovative environmental technologies at two Global Technology Centres (GLT 1 and 2) in India to support the Global Environmental Efficiency Programme. The projects aim to reduce energy and water consumption, and carbon dioxide (CO₂) emissions.

The centres have implemented sustainable design initiatives and trialled innovative technologies to reduce the buildings' environmental footprint. During the next four years of the programme, a further US\$4 million will be invested in HSBC's Global Technology Centres and Group Service Centres on environmental initiatives.

Aims

These are the main projects completed over the past 12 months:

- GLT 1's main diesel generators have been converted to run on bio-diesel. This is the first IT facility in India to install bio-diesel generators and has already realised a 70% reduction in CO₂ emissions.
- GLT 1 has developed an internal Environmental Management System based on ISO 14001. Staff have been trained to ensure accreditation in 2007.
- The site has a water treatment plant that recycles 35,000 litres per day, thereby reducing consumption from the municipal supply.
- Conventional office lighting has been replaced with low energy lighting and a solar-powered lighting system has been installed to provide all external lighting.
- The installation of 17 solar thermal panels provides 2,500 litres of hot water for the on-site kitchen and gymnasium.
- Employees have been encouraged to recycle and save energy, with over 1,500 of them participating in World Environment Day activities in 2007.
- Both GLTs have installed a heat ventilation and air-conditioning management system to monitor the buildings' operations, with the aim of improving efficiency.



HSBC's GLT in Pune, India has installed technologies that reduce carbon dioxide emissions by 700 tonnes per year.

Achievements

Internal lighting initiatives will realise savings of US\$11,000 every year on an initial investment of US\$52,000. This has resulted in a saving of 80 tonnes of CO₂.

Since installation in November 2006, the cumulative savings achieved from all the energy initiatives, including lift synchronisation, improved lighting efficiency, monitoring and improved efficiency of the heat ventilation and air-conditioning management system, stand at 761 tonnes of CO₂. This is equivalent to 20% of the total CO₂ emissions from both centres.

'HSBC Software Development in India is committed to using energy in the most efficient, cost effective and environmentally responsible manner in our business operations.'

Ignacio Vera, Global Technology Centre Head, Asia-Pacific