

Building Name: Environment Building

Address: 40 Scotts Road, Singapore 228231

The Environment Building consists of a 25-storey office tower block with a two-basement car park and a six-storey annex. The primary façade of the building is covered with double glaze tinted glass. The remaining façade was re-furnished in 1995 from a tiled façade to aluminum metal cladding.

The building energy consumption mainly goes to air-conditioning system, lighting and power for general office equipments such as computers and photostating machines. The air-conditioning system was upgraded to cut down on energy consumption. The building chiller plant consists of a primary-secondary decoupled chilled water system with 3 nos. of 500 RT water-cooled chillers that have been operating since mid 2004.

Green features of the building include an air distribution system for the offices to control the fresh air supply through the use of carbon dioxide sensors; light level sensors to automatically control lighting; occupancy sensors for meeting rooms; energy-efficient lighting and a modular cooling system to switch from the main chilled water system to the standalone system for use after office hours.

After being awarded the Energy Smart Office Label in 2005, the Environment Building won the prestigious ASEAN Energy Award in 2007. It shows that the Environment Building is among the list of the top energy efficiency buildings in Southeast Asia.

