

BEC Headquarters Transformation Project

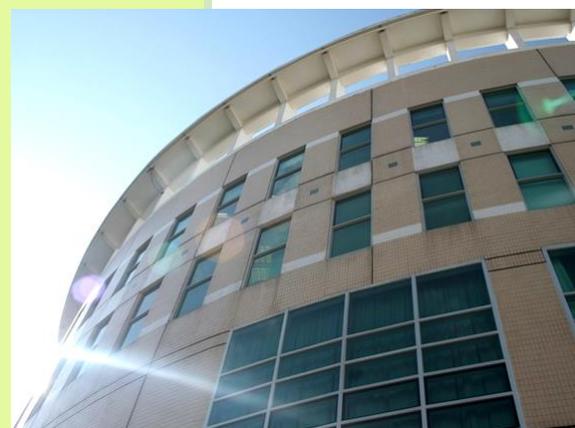
Part I - Water Saving

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BEC Headquarters Transformation Project

Hong Kong currently has over 40,000 existing buildings that account for 92% of total electricity demand in the territory. In order to demonstrate BEC's commitment to building a low carbon sustainable built environment, BEC has undertaken a project which aims to upgrade the BEC Headquarters to a hyper green building with BEAM Plus Platinum rating.

After upgrading works which included a number of green features and practices covering water and energy saving as well as practices on facilities and management, the BEC Headquarters achieved the Platinum rating of Provisional Assessment under the BEAM Plus Existing Building (version 1.2) of the Hong Kong Green Building Council on 13 August 2014. It is the first commercial building in Hong Kong which has achieved the highest level of recognition under the BEAM Plus assessment for existing buildings.



Features on Water Saving

Rainwater Collection System

A 6,000-litre rainwater collection tank, together with filter components, ultraviolet light for sterilisation and water pumps, have been installed to harvest rainwater.

- Capable of harvesting 165,000 litres of rainwater annually
- Collected rainwater can be used for irrigation and cleaning purposes



Washroom and Pantry Facilities

Low flow water taps have been installed in washrooms. The actual flow rates of the water taps range from 2.5 to 3.7 litres per minute, which are lower than the flow rates under Grade 1 requirement of the Water Efficiency Labelling Scheme.

Dual-flush systems have also been installed to replace the single-flush systems, without the need to replace the whole toilet.

In the pantry in BEC's office, a flow controller has been installed to reduce the flow of water.

Benefits of these facilities include:

- Reduce fresh water consumption
- Reduce the volume of sewage discharged, thereby reducing the burden on municipal sewage treatment facilities



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Business Environment Council Limited 商界環保協會有限公司 ("BEC") is an independent, charitable membership organisation, established by the business sector in Hong Kong. Since its establishment in 1992, BEC has been at the forefront of promoting environmental excellence by advocating the uptake of clean technologies and practices which reduce waste, conserve resources, prevent pollution and improve corporate environmental and social responsibility. BEC offers sustainable solutions and professional services covering advisory, research, assessment, training and award programmes for government, business and the community, thus enabling environmental protection and contributing to the transition to a low carbon economy.

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