

Regional Sustainable Building Conference - HONG KONG SB07

**Application for Selection of a New Building / Renovation Project or Existing Building**

Project name New Headquarters for the Electrical and Mechanical Services Department

**TEAM**

Team or organization name Architectural Services Department, SAR Government Hong Kong

Country location of team or org. Honk Kong

Key team members; names and disciplines

Project Team Leader	-	Mr. T.Y. Lau
Project Architect	-	Mr. Michael Mak
Senior Project Manager 122	-	Mr. K. S. Wong
Project Quantity Surveyor	-	Mr. H.S. Chan
Project Building Services Engineer	-	Mr. M.Y. Chan
Project Structural Engineer	-	Mr. W.K. Lai
Project Electrical & Mechanical Engineer	-	Mr. Ryan W.F. Chu

Contact e-mail lammhc@archsd.gov.hk

If the project is selected, would a team member be available at SB07HK Yes

**LOCATION / SCALE**

Project location, city and country Hong Kong

Approximate site area, hectares 2.82 hectares

Approximate gross floor area, m<sup>2</sup> 98,631M<sup>2</sup>

Gross floor area above ground, m<sup>2</sup> 85,028 M<sup>2</sup>

Maximum no. of floors above grade 8

Approximate final population 2,000

**STATUS**

Is this new construction or renovation or a mix?

(  ) New Construction (  ) Renovation Project (  ) Existing Building

( x ) A Mix (please specify) Ground to 6<sup>th</sup> floor are renovated, 7<sup>th</sup> floor and roof are new.

Completion date of construction documents (for new/renovation project)

November 2004

Estimated / original completion date of construction

NA.

## USES & FEATURES

Key occupancy types

Offices, Workshops and exhibitions.

Essential features of the project

The project involves the major modification and conversion of the former HACTL 2 (Hong Kong Air Cargo Terminal 2) building to an office building and depot. The theme of “green architecture” with an “industrial” feel is adopted throughout the design of the building. The building has incorporated a number of environmentally friendly features, they are:

1. Ice Maker and Tanks
2. Water-cooled Ammonia Chillers
3. Sun-pipes and Skylights at office areas
4. Motion & Daylight Sensors at office areas
5. Double Glazing windows at office areas
6. Sun Shades at external walls
7. Building Integrated Photovoltaic (PV) Solar Cells at roof
8. Grey Water Recycling System
9. Waste Management
10. Roof Gardens

Notes on use of innovative practices used in the project such as a Life-cycle Assessment (LCA) approach

Post Occupancy Evaluation Methodology

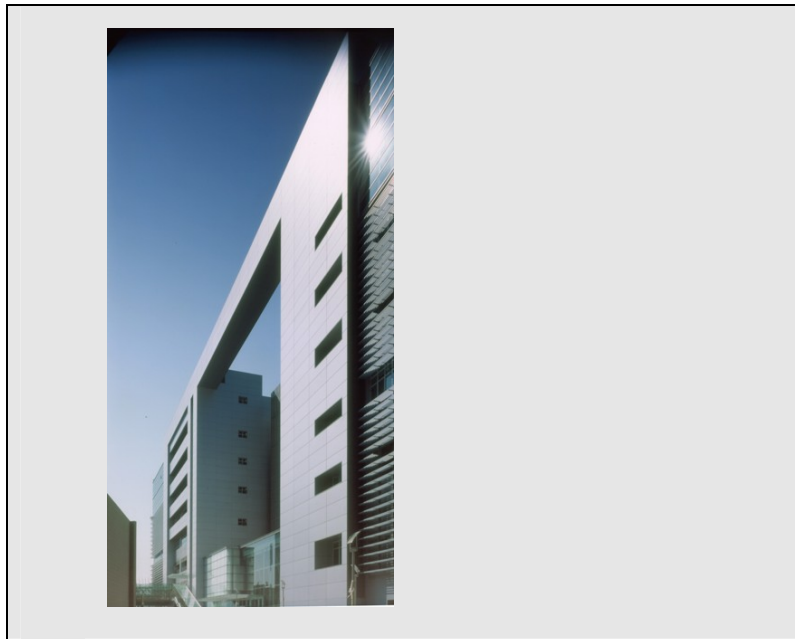
Energy simulation tool(s) to be used to assess energy performance of the project

Energy Analysis Program for Air-conditioning System : Carrier Hourly Analysis Program Version 4.2

Will an assessment tool be used to assess performance, if so please state the tool

Siemens CCMS System

Insert small photo or illustration



**ADDITIONAL DATA (FOR EXISTING BUILDING ONLY)**

Estimated date for last major renovation (for existing building only)

Type and source of monitoring data, based on at least 2 years of normal operation (for existing building only)
