



ASHRAE 美國供暖製冷及空調工程師學會
**AMERICAN SOCIETY OF HEATING, REFRIGERATING AND
 AIR-CONDITIONING ENGINEERS, INC. - Hong Kong Chapter**

P.O. Box 35612, King's Road Post Office, North Point, Hong Kong

<http://www.ashrae.org.hk>

**Technical Seminar on
 Energy Saving Strategy and Life Cycle Cost
 Analysis of Air Handling Units.**

Date: 9th February 2007
Time / Duration: 7:00pm for 7:15pm - 8:30pm
Venue: Room Y 302, The Hong Kong Polytechnic University, Hung Hom, Kowloon, Hong Kong.
Honourable Speaker: Dipl.-Ing (FH) Mr. Matthieu Neth
 Project Manager of AL-KO Air Technology Germany
 Mr. Neth is specialised in the field of energy saving for air handling systems and in the determination of Life Cycle Costs of air handling units.

Program Highlight:

Energy saving operation and Life Cycle Costs of air handling systems

Considering the total costs of an air handling unit during its life time, approximately 80% of these costs have to be spend for the operation of this system. Only 20% have to be paid for the investment. This shows the large economical potential for reducing these operation costs by using high efficiency components. This high efficiency components and a reasonable layout of the air handling unit decrease the energy demands as well as the costs for maintenance.

For well designed air handling systems the most effective method to reduce operation costs is to use an intelligent control system that suits to the customer requirements. This control system should be able to carry only the air volumes with the required temperature and humidity that are needed for a comfortable room climate. Usual control systems like constant air volume or constant pressure control do not achieve an optimal result concerning the energy efficiency. For that reason a new and highly innovative control system will be introduced.

European standard DIN V 18599

This guideline standardised the total energy demand of buildings including the air conditioning and ventilation systems. The DIN V 18599 is designed for the energy calculation in Germany. For that reason an alternative calculation method in accordance with this guideline will be introduced.

Fee: Free of charge (ASHRAE Member)

Application: Open to ASHRAE members, HVAC Engineers or other professions interested in this topic etc. Please complete and return the below application form by e-mail or by fax before 26 January 2007. Number of participants is limited to 80. Quota will be allocated on first-come-first-served basis. Successful applicants will be informed individually by e-mail. Applicants who do not receive a reply before 2 February 2007 may assume their application unsuccessful.

Application Form - Technical Seminar on Energy Saving Strategy and Life Cycle Cost Analysis of Air Handling Units.

Name (Dr/Mr/Ms) : _____
 Membership Class : _____ No.: _____ (ASHRAE)
 Company Name : _____
 Contact Address : _____
 E-mail Address : **(Must be provided)** _____
 Contact Numbers : (Tel) _____ (Fax) _____

For any inquiries, please contact: Ms. Tracy Pang (tracy.pang@arup.com)

Please e-mail this form to: / tracy.pang@arup.com or fax to 2268 3962

The Hong Kong Chapter has no authority to act for or in the name of Society.