

ArchSD's Initiatives on Indoor Air Quality (IAQ) for Buildings

1. Objectives of promoting IAQ

- We CARE for the Health and the Well being of the occupants in buildings.
- Arch.S.D.'s goal to implement continual improvement to the environment of Hong Kong.

2. We act to achieve good IAQ in buildings by

- Adopting total energy approach in achieving an acceptable IAQ in buildings.
- Designing building envelope to stop the ingress of contaminated air and moisture.
- Adequately insulating the building to achieve the required OTTV.
- Properly segregating contaminated area from clean area through innovative architectural design.
- Selecting low emission building materials.
- Providing adequate outdoor air and ventilation for dilution.
- Properly locating outdoor air intake away from polluted area.
- Allowing sufficient time for treated air to dilute contaminants in buildings before occupation.
- Eliminating contaminants such as bacteria, fungi, particulates, etc. by filtration.
- Eliminating microbiological contaminants by microorganism suppression devices such as UV air cleaners.
- Eliminating odour by absorption or oxidation, such as chemical water scrubber, bio-oxygen generator, etc.
- Liaising with Clients on proper housekeeping.
- Providing proper facilities for operation and maintenance agencies in achieving good IAQ, such as proper access for air duct cleaning.
- Playing a leading role in producing environmentally friendly buildings in order to demonstrate to the community that good IAQ buildings are achievable.