

Module BD 7 Improving IAQ & reducing absenteeism and running costs

This module examines the cause and effect of disease or general pathogenic materials or gases spread throughout a building or transport system. It looks at methods of ingress, development, and spread through buildings. Most importantly it moves on to describe methods of prevention, control and mitigation. The module is designed to provide the building or facility manager with new or novel techniques to which will improve the indoor air quality, reduce absenteeism from Sick Building Syndrome and at the same time reduce running costs to such a degree that proven performance can pay for alterations within 12 months.

The module syllabus covers:

- Introduction to disease and sanitation
- Inherent cleaning and sanitation limitations
- Basic moisture problems
- Basic microbiology
- Limitations of all biocides
- Safety issues
- Vector agents
- Sick or Tight Building Syndrome
- IAQ Indoor air quality factors
- HVAC systems and spread of dust and germs
- Condensation problems for maintenance
- Increased employee performance
- Measurement and audit

Contractor Solutions

- Utilizing UV wavelengths for sanitation
- Outbreak control
- Sanitising any building in minutes by use of WMD decontamination principles

Explanation of cost reduction and performance issues

- Reduction of plant running costs
- Reduction of absenteeism