

**The NHS Northern
ESTATES TRAINING ADVISORY GROUP**

Present a one-day conference on:

VENTILATION

to be held on

FRIDAY, 19TH APRIL 2013
at

**THE CONFERENCE CENTRE,
Wrightington, Wigan and Leigh NHS Foundation Trust,
Wrightington Hospital, Hall Lane, Appley Bridge, near Wigan, WN6 9EP**

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The management, operation and maintenance of specialist healthcare ventilation systems is a role that is increasing in its complexity due to the ever increasing demands of a modernising NHS. Surgery that was once undertaken solely in an acute sector theatre suite may now be undertaken in a day theatre, x-ray interventional room or a minor procedure room in a community setting. All must provide a safe environment and minimise the risk of infection. If you are responsible for the implementation, maintenance and validation of specialist ventilation systems whether these are full blown Ultra Clean Ventilation Theatres (UCV's), standard or minor procedure rooms, then this conference is for you!!

Listen to leading authors of HTM 03-01 Specialist Ventilation for Healthcare Premises and a renowned microbiologist on theatre infection control issues. The role of the Authorised Person Ventilation will be discussed, along with new designs in theatre technology, energy saving measures and much more. This event will increase and expand your existing knowledge base and is a must attend event for anyone with responsibilities for specialist ventilations systems within the healthcare environment.

THIS CONFERENCE WILL BE OF SPECIAL INTEREST TO ESTATES AND FACILITIES PROFESSIONALS, INFECTION PREVENTION AND CONTROL SPECIALISTS AND THOSE WHO ARE INVOLVED IN CAPITAL SCHEMES REFURBISHMENT, MAINTENANCE AND ENERGY MANAGEMENT, THOSE WHO HAVE RESPONSIBILITY FOR ENGINEERING SERVICES, HOSPITALS AND PUBLIC BUILDINGS.

WE ARE EXPECTING THIS CONFERENCE TO BE FULLY SUBSCRIBED. IF YOU WISH TO ATTEND, PLEASE COMPLETE AND SEND IN AN APPLICATION FORM AS SOON AS POSSIBLE.

The cost of attending the conference is £125.00 per person OR £100.00 per person if two or more attend from the same Trust/Organisation. This includes attendance at the conference, course handouts, coffee/tea on arrival, mid morning coffee/tea, two-course lunch and afternoon tea/coffee.

VENTILATION

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PROGRAMME

8.45 am Registration
Coffee/Tea and Bacon Roll

9.15 am **WELCOME AND INTRODUCTION**

Chairman – HARRY EVANS
(Chairman of the Estates TAG)
Head of Operational Estates, Salford
Royal NHS Foundation Trust

9.30 am **HTM 03-01 UPDATE**

Presenter – MALCOLM THOMAS
Consulting Engineer, Lead Author HTM
2025 and HTM 03-01

**THEATRE DESIGN / MINOR
PROCEDURE ROOMS – AND
COMMUNITY SERVICES**

Presenter – MALCOLM THOMAS
Consulting Engineer, Lead Author HTM
2025 and HTM 03-01

11.00 am Mid Morning Coffee and Tea

11.15 am **INFECTION TRANSMISSION AND
CONTROL**

Presenter – CRAIG MACKINTOSH
Clinical Scientist, (Ex Medical
Microbiology and Infection Control,
Wirral University Teaching Hospitals
NHS Foundation Trust)

12.00 noon **QUESTION AND ANSWER SESSION**

12.15 pm **BUFFET LUNCH**

1.15 pm **AIR HANDLING UNITS – MINIMUM
STANDARDS HTM 03-01**

Presenter – JOHN MIDDLETON
Operations Director, Healthy Buildings
International Limited

2.00 pm **THE SCREENLESS EXFLOW
EVOLUTION**

Presenter – KEITH EMERY
Senior Applications Engineer, Howorth
Air Technology Limited

**MINTIE TEMPORARY ISOLATION
EQUIPMENT**

Presenter – TOM FORD
Sales Director, Howorth Air Technology
Limited

2.45 pm **COMMISSIONING, VALIDATION
AND VERIFICATION**

Presenter – RICHARD KNIGHT
Director, CPA Solutions Limited

3.30 pm **QUESTION AND ANSWER SESSION**

3.45pm **CLOSE OF CONFERENCE**

Afternoon Tea and Coffee

SAFE JOURNEY HOME

VENTILATION

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DELEGATE BOOKING FORM

HARRY EVANS BSc (Hons), MRICS, MIHEEM, MB Eng
Chairman of the Estates TAG and Head of Operational Estates, Salford Royal NHS Foundation Trust

Harry is a chartered professional with over 25 years experience incorporating the design and maintenance of commercial and industrial premises. Harry has worked for the NHS since 2000 initially starting within the capital department of Salford Royal NHS Foundation Trust before taking up his present role as Head of Operational Estates. Harry started his career as an electrician, before diversifying into building and engineering services. Over the years he has gained qualifications, expertise and experience of a wide range of building and engineering services.

MALCOLM THOMAS
Consulting Engineer, Lead Author HTM 2025 and HTM 03-01

An independent consultant with more than 35 years experience of healthcare ventilation. Appointed "Subject matter expert (Ventilation)" for the UK Department of Health. Lead author of Health Technical Memorandum HTM 03-01: Specialised ventilation for healthcare premises (2007) and the previous version HTM2025: Ventilation in Healthcare Premises (1994). Lead author of HBN 4; Supplement 1; Isolation Facilities in an Acute Setting - a standard for ward isolation rooms. Joint author of Healthcare Infection Society paper on "Facilities for Minor operations and Minimally invasive surgery" and member of the working group updating the guidance for infection control on accepting operating suites. Visiting Lecturer University of Leeds and director of "Specialised Ventilation in Healthcare Premises" course. Speaker at the CPD course for Pharmacists at the University. Lecturer on the Health Protection Agency (HPA) "Diploma in Healthcare Infection" post graduate course at Falfield. Fellow of the Institution of Healthcare Engineering and Estate Management (IHEEM). Member of the Healthcare Infection Society (HIS). Member of the Chartered Institute of Building Services Engineers (CIBSE) Healthcare group. UK representative for CEN WG154: European Healthcare Ventilation Standard. Malcolm provides consultancy services for NHS Trusts throughout the UK and the Health Service in Eire. Typical projects involve developing an overall strategy for the project, advising the client on the pre-tender design brief, evaluation of the detailed design proposals, 1st fix inspection of the installation and the "post commissioning" independent validation of the project. Projects undertaken have included new build and the refurbishment of existing facilities for Operating departments, Isolation rooms, Mortuary, Pharmacy,

Laboratory and other units in the Healthcare setting where Specialised Ventilation is required. Malcolm is also able to act as Authorising Engineer (Ventilation) – AE (V) for Trusts as described in HTM03-01; Part B; 2.8.

CRAIG MACKINTOSH M.A., M.S.c (Oxon), DipHIC (Lond.)
Clinical Scientist, (Ex Medical Microbiology and Infection Control, Wirral University Teaching Hospitals NHS Foundation Trust)

1974: Joined the MRC Air Hygiene Unit, Public Health Laboratory Service, London, under Dr Owen Lidwell, who was then conducting the international study to prove the value of ultra-clean air in major joint replacement surgery. 1978: Dr Lidwell retired. Craig was taken on by PHLS to become part of the newly-created Hospital Hygiene Unit (HHU), within the Division of Hospital Infection. Part of job was investigating infection problems associated with operating theatres, then commissioning of new theatres and advising the NHS Estates Division of the DoH on guidance concerning design and operation of theatre ventilation systems (from DV4 to HTM 03-01), from a control of infection standpoint. 1989: Moved to the Wirral and a job at the "sharp end", in order to gain wider experience in Medical Microbiology and Infection Control within a typical District General Hospital whilst maintaining a special interest in aerobiology and ventilation systems. As part of income generation undertook validation testing on behalf of many Trusts in England. Lectured widely on this and many other "environmental" aspects of infection control. Has been a member of many national working parties. 2011: Took severance from the NHS and set up as MACAIR Consulting, focussing on theatre validation and lecturing. 2013: Finally retired? (Watch this space!)

JOHN MIDDLETON
Operations Director, Healthy Buildings International Limited

John Middleton is Operations Director of Healthy Buildings International Limited, based in Berkshire, England. HBI is a company devoted exclusively to indoor environmental issues and the identification and control of health, safety and pollution in public and commercial buildings. John has twenty years experience in a consultancy role and is fully trained and competent to carryout air and water quality management audits, legionella risk assessments, healthcare ventilation assessments, local exhaust ventilation surveys, asbestos surveys and a range of other indoor environmental surveys.

KEITH EMERY
Senior Applications Engineer, Howorth Air Technology Limited

An experienced design engineer with over 40 years experience in the specialist ventilation markets for pharmaceutical and medical facilities. Keith has been at Howorth for over 10 years in the role of Design Manager

and more recently of Applications Engineer meeting customers directly and assessing their existing facilities and making recommendations and preparing proposals. Keith has been involved in the design and commissioning at many of the leading pharmaceutical manufacturing facilities throughout the UK, USA and South Americas. He specialises in ventilation systems design for critical areas such as operating theatres, ICU, HDU, Isolation Facilities and Aseptic Pharmacy facilities.

TOM FORD

Sales Director, Howorth Air Technology Limited

Being experienced in all aspects of the construction industry, and working on a wide range of projects of a specialist nature, Tom has worked his way through the ranks of Project Manager to Sales Manager and is now Sales Director. His knowledge has been gained in Healthcare projects over the last 12 years working with Howorth Air Technology. Tom is keen to carry out the development of the Howorth business, and has successfully procured projects in excess of £3m. Projects range from full turnkey package, refurbishments, fit-out, equipment packages or the full blown modular facilities. He has a full working knowledge of HTM's and HBN's and likes nothing better but to find better innovative ways of working and producing top quality facilities for the customer. Tom is heavily involved in expanding the Howorth Brand overseas in areas such as the Middle East and the Americas.

RICHARD KNIGHT

Director, CPA Solutions Limited

Richard is a leader in the field of healthcare Electrical engineering, contributor to various guidance and Standards including MEIGaN, also founding member and chair of the CIBSE Healthcare Group. Richard has over 30 years experience in healthcare estates management most from within trust. He is a chartered Engineer, CIBSE interviewer and Authorising Engineer other interests include improving: estates management, value engineering, compliance, managing patient and business risk, electrical patient safety and micro shocks.