

## SEMINAR

# “Reflections on why it is important to Build Green”

18th June 2012 on board HMS Belfast, Morgan's Lane, Tooley Street, London SE1 2JH

## PROGRAMME

16.00 Registration with coffee/tea and canapés in the Ships Company Dining Hall

17.00 What is Swegon Air Academy

17.30 Green Buildings Pay: design, productivity and ecology.

*Professor Brian Edwards, Emeritus Professor of Architecture from ECA, Edinburgh University*

The main question being asked about green buildings today is “how do green buildings pay?” Professor Edwards’ presentation takes an overview of the research he has been involved in over the years considering what can and should be measured; from the socio-economic benefits, energy, health and productivity, image and the impact of environmental certification have upon design and client expectation.

17.45 Experiences from building passive house schools in the UK.

*Sally Johns*

Sally has been a real advocate of passive house thinking from the beginning in the UK and has been consulting on several passive house projects within the UK. In the presentation Sally will share her practical experiences of dealing with school projects in particular and the unique issues that non-domestic passive house buildings face.

18.30 Break & Buffet

19.00 Europe and Energy Efficiency in HVAC systems

*Dr Ian Knight, Reader in the WSA at Cardiff University and a Director of K2n Ltd*

How would you go about getting bespoke benchmarks for the energy efficiency of individual HVAC systems in practice? The EU project iSERV is based around a live database that will obtain detailed sub-hourly energy consumption data from 1600 HVAC systems in over 20 EU Member States. This information, along with knowledge of the HVAC systems and the activities served, will be used to establish a first set of EU energy consumption benchmarks for HVAC systems and components. Systems are still being recruited from across Europe and participation in the iSERV project is free.

19.45 Questions and answers

20.30 Bar Opens for refreshments

## Short presentation of the speakers



**Green Buildings Pay: design, productivity and ecology.**  
Professor Brian Edwards

Professor Brian Edwards is Emeritus Professor of Architecture from ECA, Edinburgh University and former Associate Professor of Sustainable Architecture in Copenhagen. He is the author of 20 books on architecture including the Rough Guide to Sustainability, Green Buildings Pay and Sustainable Architecture. His current field of research is evidencing the business case for sustainable design with particular reference to the impact of BREEAM and LEED certification on client expectations, practice methods and architectural innovation.



**Experiences from building passive house schools in the UK.**  
Sally Johns CEng

Sally is an energy consultant and along with her father, a partner of WARM. After spending several years as a building services engineer specialising in renewable and low energy systems she has moved to a more holistic role. WARM design, certify, teach and test buildings built to the Passivhaus standard. 'Fundamentally, I am committed to designing exceptional buildings – places where people want to spend time. For me, creating comfortable, habitable and sustainable spaces is a key element of good design.



**Europe and Energy Efficiency in HVAC systems**  
Doctor Ian Knight

Ian Knight is a Reader in the Welsh School of Architecture at Cardiff University and a Director of K2n Ltd. His research interests are focused on the achievement of low energy and low carbon buildings in practice, with a focus on building services. Ian is involved in several technical committees for CIBSE, REHVA and CEN. He is currently coordinating the IEE iSERV project which is helping to establish benchmarks for the energy consumption of HVAC systems in buildings, which will form part of the foundation for the next revision of EPBD.

<http://www.swegonairacademy.com/author/ian-knight/>



– A forum for knowledge exchange

Swegon Air Academy is a platform for conveyance of knowledge and experience. Our ambition is to work neutrally and objectively in an easily understandable and informative way in the fields of design, air conditioning and ventilation. We invite those who have an interest in exploring and discussing the impact of our building systems on our wellbeing, in as well as outside the building, Architects, Consultants, Building Managers and selected D&B Contractors

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The seminar is **free of charge**. The number of seats are limited so please make sure to apply as soon as possible by the latest on June 10.

Register now by clicking on the link:

<http://www.webropolsurveys.com/S/B8938078E87F5D97.par>

If you have any questions please contact: Satu Palmgren at +46 31 895813 or send an email to [satu.palmgren@swegon.se](mailto:satu.palmgren@swegon.se)