

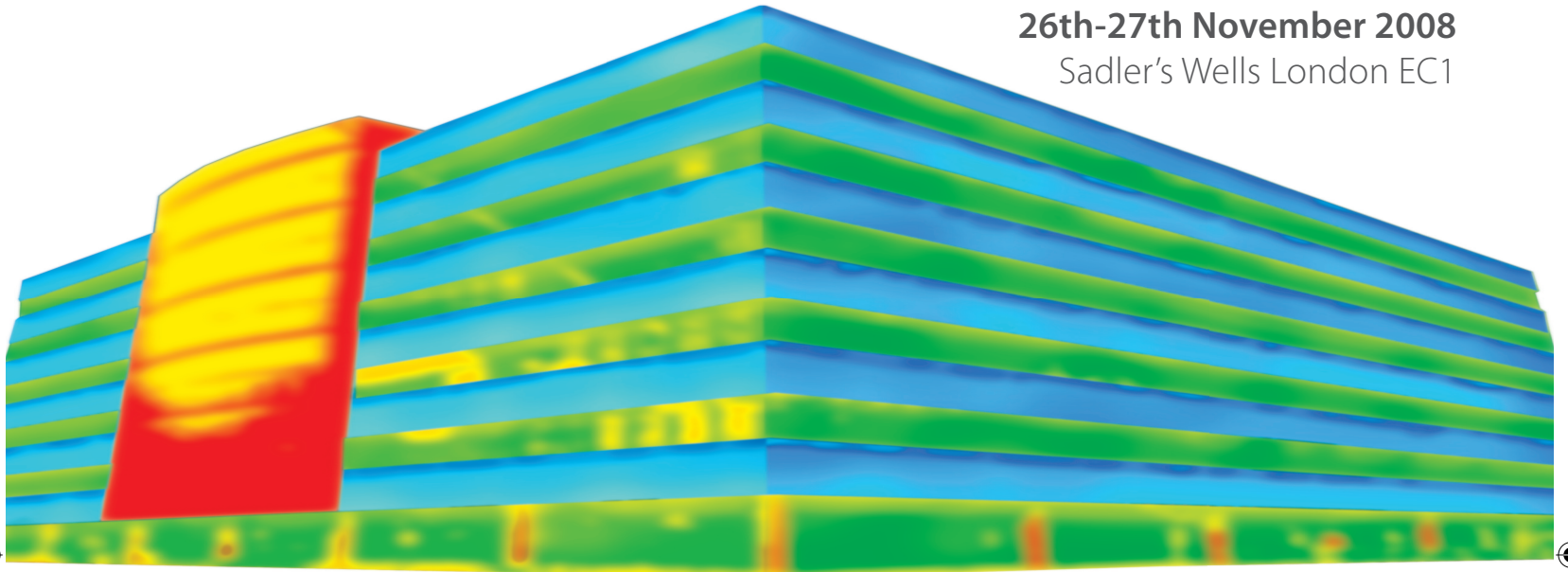
Establishing Best Practice for Tomorrow's **ENERGY-EFFICIENT BUILDINGS**

Heating | Cooling | Ventilation | Lighting

Establishing best practice in planning, costing and implementing energy-efficient buildings of the future

26th-27th November 2008

Sadler's Wells London EC1



This unique event will give you the chance to:

- Examine real case studies from established developments on how to successfully integrate the latest cost-effective technologies
- Establish criteria for selecting installations in four key sessions: heating, cooling, ventilation and lighting
- Learn models for whole life cost analysis to accurately sell your project
- Network with influential engineers, architects, manufacturers and consultants shaping the future of sustainable developments

Speakers include:

Arup
Hoare Lea
Faber Maunsell
Buro Happold
Davis Langdon
WSP Group

TO REGISTER:

Email: conferences@cmpi.biz

Phone: +44 (0) 20 7921 8039

Fax: +44 (0) 20 7955 3949

Web: www.energyefficientconference.com

Organised by:



Media Partners:



PROGRAMME: DAY 1, 26th November 2008

08.30 Registration

09.15 Chair's opening remarks

09.30 Clarifying building regulations and legislation in order to prioritise targets and meet client needs

- Condensing legislation (BREEAM, Part L, EPCs, DEC's, 10%) across the industry to identify which key targets to prioritise
- Providing insight into how these targets were calculated and what has been learnt from their implementation
- Examining measures being taken to capture feedback and how it is used for future calculation
- Predicting future changes to legislation and how to prepare for modifications
- Establishing sector norms: Grade A-G, pass to outstanding and low to zero carbon

Speaker to be confirmed

10.00 Panel session: Are we future-proof? Debating how to reach future targets

- Discussing whether sufficient technologies exist to help the building services engineer meet new targets
- Identifying key areas where new advances are required
- Preparing your business to meet the predicted financial costs of meeting new regulation
- Revealing when we can expect further legislative updates and how they can be met

Senior representative, WSP GROUP

David Bleicher, Principal Research Engineer, BSRIA

Stuart Farmer, Head of Building Strategy, CARBON TRUST

10.50 Morning refreshments and networking

11.20 Going beyond 20%: Lessons learnt in providing 30% on-site renewables from the Langley Academy

- Integrating 30% renewables into the base building design and understanding the options
- Overcoming obstacles in a new field: Providing guidance and solutions
- Learning from renewable technology: Integrating into the Academy for learning and development

Neil Billett, Partner, BURO HAPPOLD

FOCUS SESSION: HEATING

11.50 Making ground source heat pumps a commercially viable technology

- Reviewing public and private developments to discover how they successfully installed ground source heat pumps
- Examining the planning procedure and contractual implications involved and how they can be overcome
- Understanding the geological factors involved
- Calculating what level of temperatures and efficiencies can be anticipated
- Reviewing the results of a completed installation three years on to demonstrate the level of energy savings achievable

Anthony Coumidis, Director of Engineering and Head of Environmental Strategy, MCBAINS COOPER

12.20 Question and answer session

12.30 Lunch and networking

13.30 Working with biomass: Establishing key criteria for delivering cost-effective biomass installations

- Examining key considerations when incorporating biomass systems
- Expanding on the planning and legal issues surrounding the installation
- Discussing problems encountered in fuel supply and maintenance, and how they can be overcome
- Calculating the capital and maintenance costs, and return on investment to date

Justin Wimbush, Senior Engineer, ARUP

14.00 Which is more energy-efficient? Improving building services, or the building itself?

CASE STUDY

- Examining the possible changes that can be made to a building to improve its energy-efficiency
- Assessing the energy savings that can be made through reworking the fabric of the building
- Validating the benefits using post occupancy evaluation
- Reviewing the Red Kite House development to understand how the Environment Agency achieved a sustainable building on a modest budget

Ashley Bateson, Partner, HOARE LEA

FOCUS SESSION: COOLING

14.30 Examining methods of low carbon cooling in new developments:

- Learning about the latest updates in low carbon cooling techniques
- Providing new guidance on integrating low carbon cooling systems into buildings
- Rating the environmental impact of new systems
- Providing low carbon solutions for the future, including trigeneration

Invitation extended to Professor Tony Day, LONDON SOUTH BANK UNIVERSITY

15.00 Question and answer session

15.15 Afternoon refreshments and networking

15.45 Exploring methods of energy-efficient cooling in large buildings

CASE STUDY

- Reviewing the Innovate Green development in Leeds
- Establishing key criteria to consider when choosing a system
- Creating a system: How to avoid design pitfalls to ensure a successful installation
- Calculating return on investment to date

Doug King, Principal, KING SHAW ASSOCIATES

16.15 Learning from warmer climates: Examining how techniques in climate analysis in extreme conditions can be applied profitably to the UK

- Reviewing cooling solutions used in the Middle East to see how they can be applied to the UK
- Learning how Skidmore, Owings & Merrill works to analyse climate and occupier requirements to deliver the most effective and energy efficient systems
- Highlighting the need to plan for hotter temperatures in light of global warming
- Practical guidance on how these techniques can be applied to the UK climate today

Jo Palmer, Design Director, SKIDMORE OWINGS & MERRILL

16.45 Question and answer session

17.00 Chair's closing remarks

TO REGISTER:

Email: conferences@cmpi.biz

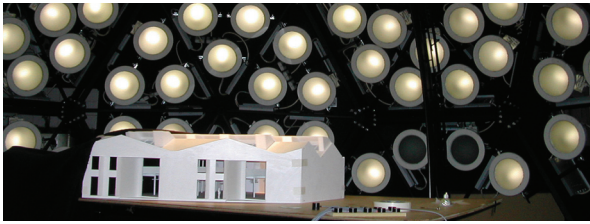
Phone: +44 (0) 20 7921 8039

Fax: +44 (0) 20 7955 3949

Web: www.energyefficientconference.com

PROMOTE YOUR BUSINESS AT ENERGY-EFFICIENT BUILDINGS:

Get your business seen by industry leaders. We have a number of bespoke sponsorship and promotional opportunities available at the conference. For further information contact Becky Golland on +44 (0)20 7560 4115 or email rgolland@cmpi.biz.



PROGRAMME: **DAY 2**, 27th November 2008

08.30 Registration

09.15 Chair's opening remarks

09.30 Overcoming problems associated with capturing data on energy-efficiency

- Outlining the effect of EPCs and DEC's on the industry
- Examining the software packages available for energy audit and their individual benefits
- Establishing how data can be interpreted for the benefit of future projects
- Defining what information you need to get the grades you want

Phil Jones, Chair, CIBSE Energy Performance Group and Visiting Research Fellow, LONDON SOUTH BANK UNIVERSITY

10.00 Panel session: Working cohesively with architects, occupiers, engineers and facilities managers to optimise energy-efficiency from the outset

- Examining the key stages in a project's development where collaborative work can optimise the final energy-efficiency of a building
- Gaining insight into each party's priorities to identify where compromises can be made to ensure optimum energy-efficiency
- Working with occupiers and facilities managers to deliver and maintain energy-efficient solutions tailored to their specific needs
- Hearing how architects, designers, engineers and occupiers have integrated a combined approach into their project

Andy Keelin, Partner, BURO HAPPOLD
 Anthony Coumidis, Director of Engineering and Head of Environmental Strategy, MCBAINS COOPER
 Stuart Barlow, Director of Sustainability & Technology, 3D REID

10.45 Question and answer session

11.00 Morning refreshments and networking

FOCUS SESSION: VENTILATION

11.30 Incorporating natural ventilation into buildings

- Establishing best practice in methods of modelling natural ventilation
- Highlighting ways of working with architects and designers to incorporate into initial design
- Analysing predicted calculation versus actual site data on energy-efficiency
- Comparing the Bridge and Leigh Academies to analyse the differences and difficulties of naturally ventilated buildings

James Warne, Environmental Engineering Director, BDP

12.00 Applying mixed mode ventilation methods in high rise buildings

- Examining recent developments and steps taken when considering a mixed mode ventilation system
- Analysing early calculations and actual site data to better predict energy efficiency
- Optimising mixed mode installations through passive building design

Matt Kitson, Director of Sustainability, HILSON MORAN

12.30 Question and answer session

12.45 Lunch and networking

13.45 Clarifying how to produce whole life cost analysis for energy efficient buildings to encourage initial investment

- Incorporating whole life cost analyses as key decision-making tools in the early stages of a project
- Identifying what information is needed and how it can be gathered
- Interpreting the resulting information and how it can be

communicated to clients

- Moving towards transparency in whole life costing: Establishing a best practice
- Mastering how to produce analyses without knowing the occupier's needs

Gary Moss, Partner in Management Consulting Team and Head of Whole Life Costing, DAVIS LANGDON

FOCUS SESSION: LIGHTING

14.15 Taking a holistic approach to energy-efficient lighting systems

- Examining the latest advances in lighting and LED technology and the variety available to the industry
- Establishing best practice on evaluating and choosing the right product for your installation
- Giving practical guidance on how to specify and install energy-efficient lighting systems: Incorporating task, background and feature demands
- Working with natural daylight and sunlight without compromising solar gain

Jonathan Rush, Senior Lighting Designer, HOARE LEA

14.45 Incorporating energy efficient lighting systems into developments: Cutting energy consumption without compromising on user control

- Understanding how to develop energy-efficient systems while raising occupational control
- Incorporating effective and responsive control systems that optimise an installation's effectiveness
- Working with facilities managers and occupiers to ensure energy-efficiency is maintained

Nicholas Bukorovic, Managing Director, HEALTHCARE LIGHTING

15.15 Question and answer session

15.30 Afternoon refreshments and networking

16.00 Creating impressive and energy-efficient architectural lighting installations

- Creating energy-efficient decorative lighting systems that are sympathetic to the architecture of the building
- Deciding which lamp options are most appropriate for the design and calculating their energy use
- Considering difficult maintenance issues and how they can be overcome
- Calculating the effect of lighting installations on the surrounding environment

Theo Paradise-Hurst, Head of Lighting Design, MAX FORDHAM

16.30 Panel session: Examining the latest advances in fuel cell technology and calculating their potential as a sustainable energy provider

- Evaluating the significant effect fuel cell technology can have on the energy-efficiency of future developments
- Learning about the obstacles in planning legislation and how they can be overcome
- Predicting when fuel cells will be recognised in the London Plan and incorporated into broader regulations
- Debating the potential of a hydrogen infrastructure network

David Stillman, Managing Director, DSA ENGINEERING

17.15 Chair's closing remarks and end of conference

1. Lighting model for Heelis, National Trust HQ, courtesy of Fielden Clegg Bradley Studios and Max Fordham LLP
2. Image of Crossharbour courtesy of Skidmore Owings & Merrill
3. Image of Gloucestershire Constabulary courtesy of McBains Cooper



ENERGY-EFFICIENT BUILDINGS

Heating | Cooling | Ventilation | Lighting

26th-27th November 2008

Sadler's Wells London EC1

WAYS TO REGISTER

Online: www.energyefficientconference.com

Tel: +44 (0)20 7921 8039

Fax: +44 (0)20 7955 3949

Email: conferences@cmpi.biz

Post: CMPI Conferences,
245 Blackfriars Road,
London SE1 9UY

Early bird rate
before 10th October 2008

Standard rate
after 10th October 2008

Day 1
26th November

Please register delegates at the rate of
£300 + 17.5% VAT = £352.50

Please register delegates at the rate of
£330 + 17.5% VAT = £387.75

Day 2
27th November

Please register delegates at the rate of
£300 + 17.5% VAT = £352.50

Please register delegates at the rate of
£330 + 17.5% VAT = £387.75

Both days
26th-27th November

Please register delegates at the rate of
£470 + 17.5% VAT = £552.25

Please register delegates at the rate of
£500 + 17.5% VAT = £587.50

GROUP BOOKING DISCOUNTS AVAILABLE.
For information on discounts on bookings of 3 or more
call the conference team on the number above.

DELEGATE DETAILS (FOR EASE, PLEASE ATTACH YOUR BUSINESS CARD) - PLEASE PHOTOCOPY FOR ADDITIONAL BOOKINGS

DELEGATE 1 - PLEASE COMPLETE IN BLOCK CAPITALS

Title	First Name	Surname
Company Name		
Job Title		Department
Address		
Tel	Fax	Email

By providing your email address you consent to being contacted by email for direct marketing purposes by CMP Information Ltd

***I have read the cancellation policy and agree with the terms and conditions. Signature:**

DELEGATE 2 - PLEASE COMPLETE IN BLOCK CAPITALS

Title	First Name	Surname
Company Name		
Job Title		Department
Address		
Tel	Fax	Email
Line Manager		
Secretary/PA		Job Title
Nature of Business		Tel

By providing your email address you consent to being contacted by email for direct marketing purposes by CMP Information Ltd

HOW TO PAY (PLEASE TICK THE RELEVANT PAYMENT OPTION) BOOKINGS RECEIVED LESS THAN THREE WEEKS BEFORE THE CONFERENCE DATE CAN ONLY BE PAID FOR BY CREDIT CARD OR CHEQUE

BOOKINGS RECEIVED LESS THAN TWO WEEKS BEFORE THE CONFERENCE DATE CAN ONLY BE PAID BY CREDIT CARD OR CHEQUE

CHEQUE

Please find enclosed a cheque for the amount of £
made payable to CMP Information Ltd. Please send to address above (in WAYS TO REGISTER box)

Terms and Conditions: It may be necessary due to unforeseen circumstances to alter the content, timing, speakers or venue. This contract is subject to European law.

Fees: Conference fees include entrance to the conference sessions, all refreshment breaks and the conference papers. Fees are subject to VAT @ 17.5%. Please note that accommodation is not included in the conference fee.

INVOICE /BANK TRANSFER

Email (accounts contact)
Invoice Address (if different from above)
Purchase Order No. (where applicable)

If paying by bank transfer please send payment to: Lloyds TSB, City Office, 11-18 Monument St, London, EC3V 9JQ. Account Name: CMP Information Ltd. Account Number: 59020736. Sort Code: 30-12-18. Swift Code: LOYDGB2LCTY. IBAN: GB05 LOYD 3012 1859 0207 36. Please fax a copy (with delegate(s) and conference name) of your bank transfer to +44(0)20 7955 3949. Please note invoice will be sent separately. Invoice queries: +44 (0)2 7955 3949

VAT: Under EU Customs and Excise regulations delegates are required to pay VAT on any conference taking place within the EU. Delegates may be entitled to reclaim this cost. In conjunction with Tax Back International VAT Reclaim, the world's leading VAT recovery organisation, you can make a significant reduction on your attendance costs. For more information please contact Tax Back International on Tel: +353 1 878 3361.

Cancellations: Must be in writing 15 working days before the event and will be subject to an administration charge of £75. It is regretted that no refunds will be made for invoices cancelled after this time and the full registration fee will be payable. Substitutions may be made at anytime.

CREDIT CARD/DEBIT CARD

Please debit my: VISA MasterCard American Express

Card no: _____ Expiry date: _____
Issue No (for switch) _____ Valid From _____ Amount _____ Security Code _____
Card Holder's Name _____
Signature _____

Data Protection: By entering your details in the fields above, you agree to allow CMP Information and companies associated with the event to contact you (by mail, telephone, or fax) regarding relevant products or services provided. If at any time you no longer wish to: i) receive anything from CMP Information or ii) have your data made available to carefully selected 3rd parties please write to the Data Protection Co-ordinator, CMP Information, BSJC3, FREEPOST LON 15637, TONBRIDGE, TN9 1BR. Phone +44 (0)20 7921 8039 or email dpa@cmpinformation.com

Please note that payment must be made in full before the conference commences. This means that we can only process bookings that require us to issue invoices until 12th November 2008.

For bookings made after this date you must either enclose a cheque or provide credit card details.

VAT Registered No: 238 6233 56

