



CIBSE CHP Group Inaugural Event

CHP in buildings: The state of play

Thursday 20th May 2004

Building Services Engineering Centre, CIBSE, Balham, London SW12

CHP in buildings: The state of play

This seminar will provide participants with an overview of CHP's viability as a building service, where it might be going and which technologies might take it there. The recent Energy White Paper re-affirms the Government's target of installing 10GWe of CHP by 2010, up to 1GWe of which is expected to be in buildings and community heating. CHP is a key part of the overall strategy for reducing CO₂ emissions, constituting roughly 20 percent of our total Kyoto commitment. With around 5GWe installed there is still a long way to go to meet the target. The seminar will address the issues surrounding the delivery of these objectives in addition to:

- ◆ Equipment available; including micro turbines and mini CHP
- ◆ New technologies like micro CHP and fuel cells
- ◆ Current practicality and viability
- ◆ Grants, information, tools and help available
- ◆ Case studies and experiences

The CHP Group

The Chartered Institution of Building Services Engineers (CIBSE) has launched a special interest group on Combined Heat & Power (CHP). The aim is to increase awareness of the potential economic and environmental benefits of CHP and encourage building professionals to consider CHP as a matter of course.

The CIBSE CHP Group will provide an open forum for all building professionals. The Group will consider any technology that produces both heat and power. This includes standard approaches using reciprocating engines and gas turbines but will also cover new technologies such as micro turbines, micro-CHP and fuel cells. As part of the group's commitment to keeping the industry informed, a number of events will be held.

The CHP Group is delighted to have attracted speakers of the highest professional calibre. They represent the breadth of the industry, from the policymakers shaping the legislation, through professionals involved in researching and producing the next generations of CHP plant, to companies running CHP systems in a commercial environment. Their knowledge and experience will provide a unique insight into the opportunities presented by CHP.

WWW.CIBSE.ORG/CHP

Non-members who wish to attend this event are encouraged to join CIBSE as affiliate members and gain immediately from reduced delegate rates for events, publications and other member benefits. Affiliate membership of CIBSE costs just £77. Please tick the appropriate box on the booking form overleaf.



CIBSE CHP Group Inaugural Event

CHP in buildings: The state of play

09:30 Arrival and coffee

10:00 Welcome and overview of the new CHP Group

Introducing the new CHP Group and an outline of the day.

Speaker: Phil Jones, Chairman of the CIBSE CHP Group

10:20 Current Government view of CHP

Keynote speaker from the Government, outlining current and future support available for CHP and its importance to the UK in reaching its Carbon Emissions goals.

Speaker: Peter Barton-Wood, Sustainable Energy Policy Division, (DEFRA)

10:45 Market factors affecting CHP

The CHP industry's views of the current and future market for CHP.

Speaker: Syed Ahmed, Head of Research, Combined Heat and Power Association (CHPA)

11:10 Questions

11:20 Coffee break

11:45 Legislation and CHP

Showing how CHP fits into Part L, the EU Energy Performance in Buildings Directive and the EU Emissions Trading Scheme.

Speaker: Paul Woods, Technical Director, Energy Services Division, PB Power

12:15 Operating small-scale CHP in buildings

An overview of problems and possibilities as seen by a major operator of CHP plant in buildings.

Speaker: Alan Barlow, Applications Engineering Director, EnerG

12:40 Questions

12:50 Lunch

13:40 Micro CHP

Introduction to the technologies available and an evaluation of the possible applications.

Speaker: Tony Duffin, Business Development Manager, The Carbon Trust

14:05 Fuel Cells

A brief overview of the 'state-of-the-art' and possible emerging benefits.

Speaker: Gary Acres, Fuel Cells Consultant, Johnson Matthey/Department of Trade and Industry (DTI), Honorary President, Grove Fuel Cell Symposium and Professor at Birmingham University

14:30 CHP district heating & trigeneration: Southampton case study

A positive example of a successful tri-generation scheme.

Speaker: Simon Woodward, Chief Executive, Utilicom

14:55 Coffee break

15:15 Grant funding availability for district heating and CHP

An overview of the grant options currently available to potential installers of CHP and district heating.

Speaker: Jonathan Williams, Secretary CIBSE CHP Group and Senior Consultant in CHP, Building Research Establishment (BRE)

15:35 CHPSizer2 and CHP Economics

Introducing CHPSizer2 and a brief sensitivity analysis of CHP paybacks to fuel costs.

Speaker: Dr Ian Knight, Vice-Chairman CIBSE CHP Group and Senior Lecturer, Cardiff University

15:50 Questions

16:00 End



CIBSE CHP Group Inaugural Event

Become an affiliate member today and enjoy immediate access to the benefits of CIBSE membership

Affiliate membership demonstrates your commitment to the industry and offers you immediate access to membership benefits including:

- ◆ Substantial discounts on conferences, and training events
- ◆ Half price publications from CIBSE and discounted on works from other major publishers
- ◆ Free award-winning monthly magazine - Building Services Journal (cover price £80 UK/£100 Overseas)
- ◆ Regular electronic newsletters providing up-to-date industry and CIBSE news
- ◆ Access to the CIBSE network of contacts, plus access to an electronic community via the internet
- ◆ Free annual CD-ROM containing a low carbon toolkit and free CIBSE guidance

Tick the Affiliate membership box on the booking form and become a CIBSE member today!

Further Information

Over the coming months the CHP Group will produce a regular electronic newsletter and work with the CIBSE regions to organise site visits and events. The Group has launched a web site at www.cibse.org/chp where key information on CHP will be posted. To join the Group, download an application form from the web site, e-mail jdavid@cibse.org or call Jonathan David (Groups Secretary) on 020 8675 5211. Group membership is **free** of charge and open to all building professionals whether CIBSE members or not.