



HASL presently have a number of Technical Presentations & CIBSE accredited CPD's available and would be keen to commence a program at your earliest convenience and as such we are pleased to detail the present range on offer.

These presentations are generally held at your offices with HASL providing the catering for either breakfast, lunch or afternoon tea depending upon availability.

We trust one of the following training courses shall prove to be of interest within the office and shall allow HASL to commence the full program over the coming months ahead.

Please forward your requests to Heather Calder on
hcalder@hasl.co.uk

CIBSE Accredited CPD – Control of system water quality, Deaeration, Dirt Separation and optional Pressurisation in Wet Systems.

The CPD is all technical and will provide an understanding as to how to utilise “Henry’s Law of Absorption” in order to remove not only the “free air” within an LTHW or CHW system but also the dissolved gasses, through just one central point of collection. It will also fully detail the principles of Dirt Separation and distinguish the difference between conventional strainers and this new, widely preferred and superior method of dirt separation. The CPD provides an opportunity to view inside an actual working demonstration unit whilst it removes both air and dirt particles as they are introduced into the system.



SPIRITECH



CIBSE Accredited CPD - Compensating for thermal expansion, building

movement and noise in pipework systems. This technical seminar provides an insight into the often misunderstood subjects of thermal expansion, building movement and vibration control in piping Systems. Ignoring pipe expansion or building movements can lead to leaks, structural problems, safety issues and additional costs. The seminar shows from first principles how to identify potential problems, the most cost effective ways of compensating for movements utilising both natural flexibility and expansion joints. Correct guiding and anchoring of pipework is critical to the performance of the whole system and the CPD will give practical tips and rules of thumb. Finally the seminar will cover the correct selection and application of rubber flexible connections to eliminate noise and vibration transmitted through pipework and media generated by rotating equipment.



RIBA/CIBSE CPD Courses -

- 1) Energy Conservation and Eliminating Draughts with Warm Air Curtains and Trench Heaters.
- 2) Energy Efficient Cooling and Heating with Radiant Conditioning Sails.
- 3) The understanding and design of Energy Efficient Radiant Panel Systems.
- 4) Ultra Violet (UV) Sterilization in HVCA. Air & Object Sterilization.

Seminar details

Understanding basic principles – Performance – Calculations -

Standards - Design – Examples.

Technical Product Presentations are also available on Heat exchanger coil design in HVAC systems and The benefits of heat pipes in HVAC systems.



Construction Accredited CPD - Metal Louvre Performance & Design

This CPD is a user friendly presentation, aimed at all levels of architects, technicians, building services designers and anyone involved with the building envelope. The presentation gives practical guidelines on the correct choice of louvre for a particular application. It also highlights the benefits of using 'performance' louvres, when space may be at a premium



envirotec



CIBSE Accredited CPD – Correct Selection & Application of Air Curtains

This CIBSE approved Technical presentation looks at the Factors Affecting Air Curtain Performance and explains the correct method of Air Curtain selection to provide an effective solution. Factors considered are Building design, Building leakage / extract rates, Surrounding geography, Prevailing weather conditions, Installation of air curtain, Leaving air temperature/velocity & Method of control



CHRISTIE & GREY



Technical Presentation – Structure-Borne Noise, Shock and Vibration Control.

The use of standard and special purpose products as means of vibration and shock isolation, including steel springs and natural & synthetic elastomers, floating floors and cork and rubber foundations. Applications considered in building noise control, marine & offshore engineering Power generation, rail traction, commercial vehicles and general industrial & commercial developments.



Technical Presentation – Correct Selection of Burners for Combustion Equipment.

The presentation covers residential, commercial and industrial burners for a variety of applications - Oil, Gas, Pre-mix, Low NOx or Dual Fuel.



alta tecnologia del calore



Several models are covered but the subject are also ICI CALDAIE S.p.A. founded in 1995, is now a firm in the world of the heating industry thanks to the experience of its technicians and the high quality of its products, working up with the technological evolution.

alta tecnologia del calore

Technical Presentations – Correct Selection and applications of Condensing Boilers, Commercial Boilers and Industrial Boilers.

Topics covered in the various presentations are Efficiency, Combustion, Heat Transfer, Water Characteristics, Condensing, Steam Generation, Construction and Materials.



Technical Presentation – Correct Selection and application of Gas Boosters.

What is a Gas Booster?
How does a Gas Booster Work?
Where are Gas Boosters Installed?
Presentation looks at the design and typical installations of gas boosters when used in association with combustion equipment.