



Joint Technical Seminar on Net Zero Energy Buildings

Details:

Date: 24 November 2023 (Fri)

Time: 6:30 pm (Registration)

6:45 pm – 8:00 pm

Venue: (Online) Zoom;

(Physical) HKIE Headquarters, Chun
Wo & Hsin Chong Rooms, 10/F Island
Beverley, Causeway Bay, Hong Kong

Programme Highlight:

Net Zero Energy Buildings

Frank Mills

As building regulations around the world continue to impose energy targets in order to reduce carbon emissions and conserve fossil fuels, designers and contractors must provide buildings which can perform successfully with less energy aiming for Net Zero. The EU requires all buildings to be Net Zero by 2019, excluding plug and process loads, whilst the ASHRAE Board have proposed Net Zero including plug and process loads by 2030. This presentation will provide attendees with an overview of the issues involved and the potential design solutions to achieve Net Zero in a cost-effective, practical manner using feedback from exemplar solutions.

New Zero strategies are proposed along with design tools, practical tips, and advice on suitable support information and case study examples.

Speaker:



Frank Mills, Principal of Frank Mills Consulting Ltd, United Kingdom

Frank is now Principal of Frank Mills Consulting Ltd and provides high level strategic design advice, technical reports and expert witness to clients including hospitals, government bodies, developers and building owners. Frank has been an ASHRAE member since 1971 and has been active on technical and standards committees and on Councils. Whilst on Handbook he has promoted the Board initiative to update all Handbooks with more digital content for the Online Handbook, more worked examples, case studies and material that can support project engineers who wish to apply new, innovative and modern design solutions. He is President of the new (2017 formed) ASHRAE UK Northern section. He was chair of the new ASHRAE Cold Climate Design Guide and member/past chair of ASHRAE Publications committee. He is chair of the guide for Hot Climates (due for publication in 2018). He has presented ASHRAE ALI short courses on Natural Ventilation, Design of zero energy buildings and Healthcare HVAC and presented papers on Atrium design, Fire engineering, Education buildings, best practice engineering and sustainable development.

Recent projects include Media City – excellent rated sustainable design of regeneration project completed in 2008, occupying 200 acres of former dockland in Salford Quays, Manchester - Specialist consultant design for sustainability and energy including Site Wide Tri-Generation system. Sustainability consultant for Trafford Quays development. 3000 homes and mixed use 'Eco' city' development which is aiming to achieve 'Outstanding BREEAM Communities and be first major UK 'smart city' and a Zero Carbon City. Similarly Liverpool Waters and Wirral Waters developments.



Language:

English

CPD Certificate:

1.5 CPD Certificate will be provided. Participants will receive an electronic copy of CPD attendance certificate after 14 days of the event.

Registration & Enquiry:

The seminar is free of charge and prior registration is required. For registration, please complete the Registration Form in the following link: <https://forms.gle/L5LBLWEdkwpMgVU37>

Application will be accepted on a first-come-first-served basis. Successful applicants will be informed by a confirmation email on or before 17 November 2023.

For enquiry, please contact Ms. Daphne CHAN at 6731 4785 or email at daphnechanwm@gmail.com