



Department of Civil Engineering
The University of Hong Kong



Centre for Innovation in Construction and
Infrastructure Development

SEMINAR

jointly organised by
Department of Civil Engineering and CICID, HKU

Policy and Practice of Low and Zero Carbon Building By Mr Rob Pannell, **Managing Director**, Zero Carbon Hub, UK

Date: September 30, 2014 (Tuesday)
Time: 11:00 am – 12:15 noon
Venue: Room 6-12B, Haking Wong Building
The University of Hong Kong

ABSTRACT

The UK is a world leader with very ambitious low energy targets. Their Government has set out a timetable for the progressive tightening of Building Regulations (Part L) in 2010 and 2013, with the aim of achieving zero carbon new homes by 2016. In order to achieve the “Zero Carbon Homes” journey, the Zero Carbon Hub has partnered with Government and Industry to devise various policies, perform research and create methods/techniques/solutions. This session will therefore provide information on the UK's approach to building, alongside a comparison with other cities, countries and continents around the world. These will include the increasingly popular fabric first, carbon compliance, and allowable solutions hierarchy.

It is perceived that in many countries there is not enough housing stock for rising populations. It is also necessary that any new homes are sustainable for future generations in order to avoid fuel poverty and reduce fossil fuel dependency. When houses are being delivered it can be perceived that their performance differs to design for a number of reasons, which also affects the sustainability on future proofing question. In order to tackle these major areas which are integral to the zero carbon journey, the discussion will focus on outlining barriers and potential solutions from a UK-centric perspective.

ABOUT THE SPEAKER

Rob Pannell is Managing Director of the Zero Carbon Hub in London, United Kingdom. Prior to joining the Zero Carbon Hub, Rob was a senior figure in the construction industry with over 35 years of experience with the international builder Taylor Wimpey UK Ltd. where he held a series of senior level roles, most recently as UK Director of Production (construction and design). Within this position Rob investigated and established a cost base and technical compliance of practical renewable energy and building fabric solutions to meet the various UK Government policies.

As managing director at the Zero Carbon Hub, Rob brings a wide range of knowledge regarding sustainability, innovations, technology prototypes, trials and solutions. This knowledge is a crucial asset for both Industry and government, with Rob working closely with several ministers and senior civil servants to advise on low energy and low carbon policy for the built environment; as well as helping industry to successfully deliver the overall sustainability targets. The Hub is the cutting edge of future developments through projects and research.

Rob is a talented speaker both at home and abroad, having spoken at many European and international destinations including Austria, Spain, Russia, Hong Kong and Singapore.

- ALL ARE WELCOME -

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