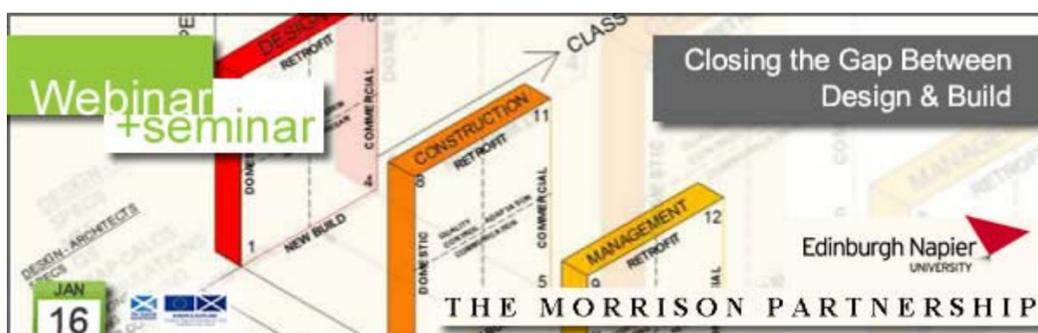


** Wishing all our members a happy new year! **

TAKE A LOOK AT OUR WEBINARS IN JANUARY...



"Closing the Gap Between Design and Build"

Date: Wednesday 16th January 2013
Time: 12:30 - 14:00 (GMT)
Venue: K501, Buchanan House, Glasgow Caledonian University, Glasgow, G4 0HG.

Summary:

There are discussions over how best to measure the performance of a building and in what ways it should be assessed. There are standards that will address quality related matters in the building design and build; for example Passive House, Code for Sustainable Homes, BREEAM, regional building regulations and others. These standards have a similar goal; to lower the impact of buildings on a site and to lower the demand of energy creating a more environmental design.

The above are design lead standards of which minimal post-construction evaluation is performed. This sort of testing would be useful to a client and user to get a better understanding of whether what was built is really what was designed. Physically and aesthetically the buildings can be as shown in the graphical representations of a design; it is whether the performance and energy efficiency is as predicted that should matter.

It is therefore recommended through the analysis of this paper and the review of other documents and references, that in order to verify if the building is performing and considering all aspects of an energy and ecological standard it should be assessed not only with energy predicted software and calculators but also by conducting post-construction assessments before occupation and during occupation and thereafter graded upon the results.

This webinar will present the outcomes of this recent study

Speakers:

Julio Bros-Williamson
Edinburgh Napier University

Dr Cameron Purdie
The Morrison Partnership

Booking:

To book your place at this event, please click "[attend in person](#)" or "[attend online](#)" above

WEBINAR



"Sustainability & Energy Efficiency of three new build dwellings in Aberdour"

Date: Wednesday 23rd January 2013
Time: 12:30 - 14:00 (GMT)
Venue: K501, Buchanan House, Glasgow Caledonian University, Glasgow, G4 0HG.

Summary:

Energy modelling for the three dwellings was undertaken to establish heating and power demand. These figures were used to compare against Scottish Building Standards Section 7 and Passive house design requirements. Each dwelling was virtually constructed using the plans, elevations and elemental build-up of the dwelling's envelope as provided by the architect.

Assessment of the site ruled out a number of technologies pertaining to hydro and wind.

Complexities arise when considering the power demand during night time or times during low seasonal positioning of the sun. To achieve the off-grid aim the PV system requires additional equipment, batteries and solar regulator to enable storage of generated power to meet 24 hour demand. Snow fall presents a particular issue during the winter preventing the system to generate the simulated energy demand. It is important to be conscious that energy would be produced during the day but mainly used during the night and with a higher demand for lighting and other electronics during the darker winter period.

Therefore a secondary feasibility study was conducted investigating the potential and economic implications of connecting the site to the national electricity grid. The main difference would be the use of the grid as a back-up to electricity demand, this also provides higher feed in tariff revenue and requires less equipment investment (does not require batteries and solar regulator).

The outcomes of this feasibility study are to be utilised to create a projection towards the design and implementation of micro-renewable technology in the dwellings. The results of this study will portray the feasibility of the technology in terms of its sizing and operation and its potential return on investment.

This webinar will present the outcomes of this recent study

Speakers:

Jon Stinson, Julio Bros-Williamson
Edinburgh Napier University

Stuart Hannah
Finex Joinery

Booking:

To book your place at this event, please click "[attend in person](#)" or "[attend online](#)" above

CIC Start Online is led by Glasgow Caledonian University in collaboration with Edinburgh Napier University, The Glasgow School of Art, Heriot Watt University, The Robert Gordon University, University of Edinburgh and University of Strathclyde Glasgow. CIC Start Online is funded by the European Regional Development fund and Scottish Government's SEEKIT programme.



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