

Energising Construction: The Future Conference

Date: Wednesday 25th January 2012

Where: Faculty of Health & Social Care (Room H230), Robert Gordon University, Garthdee Road, Aberdeen

9.00 - 9.30		Registration/EXPO
9.30 - 9.50	Prof Ferdinand von Prondzynski, Principal & Vice Chancellor, RGU	Welcome & Introduction
9.50 - 10.10	Mairi Ross, Housing Sustainability Strategy Unit, Scottish Government.	Scottish Government ambitions for sustainable housing
10.10 - 10.40	Sara Budge, Project Director, Energetica	Building Performance Investigation in Context. Energetica planning advice.
10.40 - 11.00	COFFEE	
11.00 - 11.20	Dr David Moore	General findings; Energetica Building Performance Investigation; Best in Class, Low Energy Buildings
11.20 - 11.40	Prof Gokay Deveci	Low energy, low cost affordable passive housing design in Scotland.
11.40 - 12.15	Gary Wilson/ Rhona Donnelly	Inverness Expo; Developers Consensus! Feedback, lessons and Big Questions for future development.
12.15 - 12.30	Dr David McClean	Morning round-up and introduction to afternoon/workshop format, Q&A
12.30 - 1.30	LUNCH	Suppliers EXPO Presentations (1.00 - 1.30)
1.30 - 1.45	Gary Clark	Soft Landings: Delivering Low Carbon Buildings from Inception to Use
1.45 - 3.00	Gerard Buda	Introduction and organisation of 3 concurrent workshops + Workshop briefing by Facilitators Workshop 1 -Low and Zero carbon technologies Bruce Taylor/Roddy Matheson Workshop 2 - Modern Methods of Construction David Moore/Gary Wilson Workshop 3 - Innovation Gary Clark/Rhona Donnelly
3.00 - 3.20	COFFEE	
3.20 - 3.50	Feedback	Facilitators to feedback main Workshop issues (10 mins each subject)
3.50 - 4.00	Dr David Moore, Sara Budge	Drawing together themes and connectivity. Way forward
4.00 -	Various	Networking Opportunity/EXPO

Workshop 1 - Low and zero carbon technologies

This workshop will address such issues as: how do we take an integrated approach to the demand and supply of energy?; assessing the 'bolt-on' technologies?; how do we address energy demand for space and water heating?; what is the influence and demand for food preparation and leisure?; can zero carbon homes be affordable?

Workshop 2 - Modern Methods of Construction

The workshop will address such issues as: is there a common understanding of MMC?; will investment in MMC be intensive prior to 2016, with any return largely arriving post 2016; what is the role of enterprise resource planning (ERP) in successful MMC developments?; who 'owns' the methods used in MMC and should these be essentially 'open source'?

Workshop 3 - Innovation

The workshop will address such issues as: are regulations and standards opportunities or constraints?; do regulations and standards reflect customer needs and wants?; are technology-based innovations 'closed' solutions while methods-based innovations are 'open' solutions?; is the construction industry approach to risk management a constraint on innovation?

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Introduction

Energetica is the vision for economic development in the North East of Scotland in the corridor area between Aberdeen and Peterhead. The vision aspires for the area to become a world-leading energy technology destination combining high quality, energy efficient living with dynamic energy focused businesses. Energetica aims to generate £750 million in investment in the first ten year period with the potential to create an additional £500 million of annual GVA in the region. Energetica forms part of Aberdeen City and Shire Economic Future (ACSEF) and Scottish Enterprise vision for regional development.

Energetica (ACSEF) commissioned Scott Sutherland School of Architecture and Built Environment, RGU, to conduct a Building Performance Investigation into the current and future energy performance of residential building; this report was concluded at the end of June 2011.

Energising Construction; The Future is the opportunity for the built environment community to learn more about the Energetica vision and how it will seek to influence best practice in low energy construction and the Scottish Government's low carbon green agenda with respect to residential construction and energy supply and demand.

This conference will seek to disseminate the findings of the investigation, learn from the experience of others and obtain clarification in terms of Scottish Government policy. It will further seek to capture the views of the built environment community through a series of facilitated workshops and aspire to obtain positive ideas for future development that can in turn inform the Energetica vision.

The conference programme includes presentations by the Project Director of Energetica, leaders in the field of low energy residential development, Scottish Government representation, the design community and from project management of the Inverness Expo. In addition the conference will be attended by significant contributors to the Energetica vision in the area's of planning, design, innovation, building standards management and surveying.

An invited selection of leading manufacturers will also be displaying their latest low carbon technologies.

Who should attend?

This conference is for Architects, designers, environmental and sustainable consultants, developers, house builders, surveyors, innovators and those interested in the 'Greening' of our built environment.

Cost: £150

Contact Helen Aggasild h.aggasild@rgu.ac.uk for further details