

THE ESSENTIAL PASSIVE HOUSE DESIGN DAY

Sustainable Energy Ireland's Renewable Energy Information Office in association with MosArt is hosting a Free one day event 'The Essential Passive House Design Day' on Thursday 15 May at Tinakilly Hotel, Rathnew, Co. Wicklow. The day offers an insight into the integration of key components into a passive house, it's not a sales pitch from suppliers but a step by step approach to the design of a building to ensure it meets the Passive House standard.

Passive Houses require superior design and components with respect to:

- ▶ Insulation
- ▶ Design without Thermal Bridges
- ▶ Air tightness
- ▶ Ventilation with Heat Recovery
- ▶ Comfort with PH Doors and Windows

Ireland is facing a number of serious challenges including rising energy costs and reducing our emissions as set out under the Kyoto protocol. These and other factors have given rise to a fundamental rethink in the way we design, construct and operate buildings. As we move forward, it is becoming clear that building 'green' has evolved and is fast becoming the preferred choice, providing high quality, high efficiency, dynamic and cost effective solutions for consumers and businesses.

The passive house is the ultimate low energy building. The passive house standard is recognised in Europe as the most advanced in terms of energy performance of buildings and going forward the European Commission is set on implementing the passive house standard and also on setting more stringent requirements for the refurbishment of existing buildings. In fact the Passive house clock is ticking, recently the European Parliament called on the Commission to propose a binding requirement that all new buildings needing to be heated and/or cooled be constructed to passive house or equivalent non-residential standards from 2011 onwards, and a requirement to use passive heating and cooling solutions from 2008. This action plan was carried with a huge majority of the European Parliament.

Today, the passive house offers one of the most desirable technological and economical solutions for comfortable living and working. Despite the name, the standard is not confined only to houses.

All over Europe office buildings, schools, play schools, supermarkets and other buildings have been built based on this standard. Passive House design is not the attachment or supplement of architectural design, but an integrated design process within the architectural design. Although it is mostly applied to new buildings, it has also been successfully used for refurbishments. Today, with close to 10,000 passive houses built in Europe, this well proven and tested innovative standard is now attracting significant interest in Ireland with Sustainable Energy Ireland's Renewable Energy Information Office and a few visionary entrepreneurs taking the lead in making it happen.

WHO SHOULD ATTEND?

The day will be of particular interest to:

Architects, the building industry, housing professionals, specialist advisors, policy makers, designers, consultants interested in environmentally responsible design and construction of buildings, local authority planners, housing and building departments, housing associations, contractors and building product suppliers/manufacturers interested in achieving the highest levels of energy performance and/or exploiting the major new commercial and strategic business opportunities.

Programme

- 9:00 Welcome & Introduction
Paul Dykes (SEI REIO)
- 9:15 Passive House overview in Ireland
Tomás O'Leary (MosArt) & Franz Freundorfer (Passivhaus Consulting)
- 9:30 Introducing the PHPP Software – the Passive House Bible
Tomás O'Leary & Arndt Spiegelhauer – MosArt
- 11:00 Coffee/Tea break
- 11:15 Do we need PH-Standard Windows in Ireland?
Franz Freundorfer (Passivhaus Consulting)
- 12:00 How to achieve the recommended airtightness (0.6 ac/h @ 50Pa)?
Peter Smith – Ecologic Building Solutions
- 12.30 Panel Q & A Session followed by Lunch
- 13.30 Balanced Ventilation with Heat Recovery in Passive Houses – Getting it Right
Mr. Paul (Paul Warmeruckgewinnung GmbH)
- 15.00 PH in Ireland – keep it simple and affordable
Lars Petterson, Scan Homes
- 15.30 Panel Q & A Session followed by Optional Visit of “Out of the Blue”
Tomás O'Leary's Passive House

REGISTRATION

Numbers are limited to just 50 delegates and we fully expect interest to exceed the number of places available so early booking is highly recommended to avoid disappointment.

To register for this free event please contact
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For further information please contact
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