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Passive House in Dublin will open its doors to the public

MosArt Architects participates in Passive House Days event on Saturday 8th November

In this family home, extreme energy efficiency is not a possibility but a fact. This Passive House consumes just around 10 percent of what conventional homes and buildings need for heating and cooling. At the same time, the house offers a high level of comfort, both in terms of air quality and even temperatures. On 8th November, people will be able to see and experience for themselves how this is possible – when this family house in south Dublin presented by MosArt Architects takes part in the international Passive House Days event this weekend. The doors of their energy-efficient house will be opened to the public from 12 p.m. until 1 p.m.

Since the very first Passive House Days event in 2004, tens of thousands of people around the world have already taken the opportunity to visit a Passive House building. This Passive House is participating in this event for the first time. “One important challenge with this semi-D was the construction skill necessary to realise the architectural design and performance objective without affecting the attached building”, says Art McCormack, adding that “a further challenge was the provision of generous areas of glazing to the west and northwest in order to take advantage of spectacular views over Dublin Bay and the city whilst achieving the Passive House Standard energy balance in respect of heat retention and solar gains”. Most questions that people have on these matters can be quickly answered face to face and misconceptions corrected.



View from the rear elevation of this Passive House in Dublin. Photo: Art McCormack

The Passive House isn't only an active contribution to the energy revolution; it is also a very attractive investment opportunity for building owners and users. Extra capital investment during the construction phase is compensated by the heating and cooling costs saved within just a few years. In addition to low running costs, living comfort is noticeably improved with optimal indoor air quality, comfortable temperatures and a draught-free environment. The mechanical systems are flexible and easy to operate – as visitors will be able to see for themselves on 8th November in Dublin.

The Passive House was built in 2014. The clients frequently express delight in the quality of design, not least in some unique detailing, lighting and vistas, but especially in the thermal and general comfort levels they experience. It should be noted here that, with a living area of 219 m², the heating demand is around 13 kWh/ m².a.

The Passive House Days event is organised by iPHA, the International Passive House Association, established by the Passive House Institute, along with partners in a variety of other countries. An overview of all projects participating in this event can be found online on the Passive House Database at www.passivehouse-database.org, with additional projects visible on www.passivehouse-international.org. The exact viewing dates and times, as well as information on individual projects and names of contact persons are also given here.



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