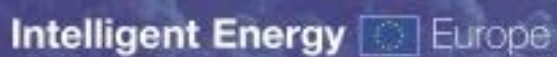




Establishment of a Co-operation Network of Passive House Promoters



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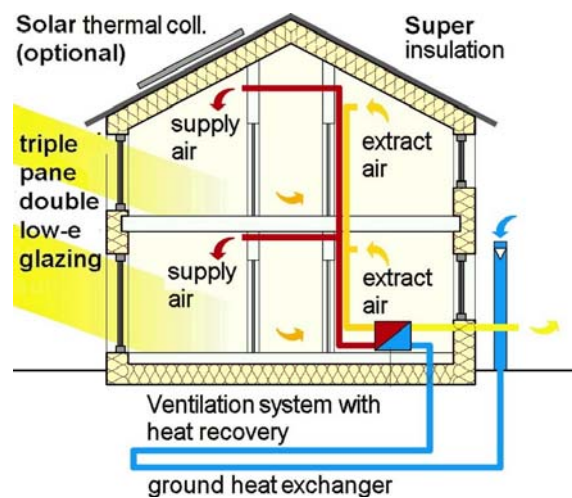
Background

The energy demand for the residential sector represents 40 % of the total energy demand in the European Union. Therefore measures to improve energy efficiency in this sector have a strong leverage effect. For achieving the EU targets to increase the energy efficiency by 20 % and to reduce the Greenhouse Gas Emissions by 20 % until the year 2020, the Passive House technology will be an essential tool on this road.

The Passive House concept

Passive House buildings are buildings with very high energy efficient components as a high insulated building shell, the heat recovering of the exhausting air as well as the use of external gains of solar radiation in the winter season. Passive House buildings need 80 % less energy for heating and cooling compared to conventional standards of new buildings and 90 % less energy than the existing building stock. The energy requirement for heating in Passive House buildings is lower than 15 kWh/(m²a) or 10 W/m² maximum heat load, allowing fresh air to carry the heat load.

Detailed information about the Passive House concept is available at the websites www.passiv.de and www.igpassivhaus.at. There is the possibility of test-living in a Passive House for some days in Grossschoenau, Austria. Further information: www.probewohnen.at.



Source: Passivhaus Institut Darmstadt

Project Target

The target of the project Pass-Net is to spread the knowledge about the Passive House standard in Europe and to rapidly increase the share of Passive House buildings within new buildings and the reconstruction of old buildings. To reach that target, Pass-Net - a network of expert organisations under the management of OeGUT has been established. Participating project partners come from Belgium, Germany, Great Britain, Croatia, Austria, Romania, Slovak Republic, Slovenia, Sweden and the Czech Republic.



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Passive House in Carinthia,

Source: ÖGUT

Due to the high energy- and CO₂-saving potential of the Passive House standard and the fact, that there are different levels of diffusion concerning this technology in Europe, the central targets of this project are to provide measures to raise awareness among relevant stakeholder groups (public authorities, construction industry and end consumers) and to prepare professional training programmes. Also, a European wide Passive House database showing best practice buildings will be developed.

As some countries (e.g. Austria, Germany, Belgium and Sweden) are more experienced and have many examples of buildings in Passive House standard, now it is to build up cooperations to strengthen the exchange and the transfer of know-how between the participating countries and to encourage further initiatives.

Project activities

- Development of training materials for specialists (architects, planners, craftsmen)
- Awareness building for the public (fairs, International Passive House days)
- Awareness building for public authorities (decision makers on national and regional level)
- European Passive House database (documentation of Passive House buildings in several European countries)
- Documentation of best practise examples in social buildings and development of guidelines for stakeholders to improve the quality of renovation.

Contact

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Project partners



AUSTRIA

Austrian Society for Environment and Technology – OeGUT
Project coordination www.oegut.at



AUSTRIA

Interessensgemeinschaft Passivhaus Oesterreich
www.igpassivhaus.at



BELGIUM

Passiefhuis-Platform vzw Belgium – PHP
www.passiefhuisplatform.be



CROATIA

Arhitektonski Fakultet Sveučilišta u Zagrebu (University of Zagreb, Faculty of Architecture) www.unizg.hr/homepage



CZECH REPUBLIC

Centrum pasivního domu – CPD
www.pasivnidomy.cz



GERMANY

Passivhauskreis Rosenheim Traunstein e.V. – PHK
www.passivhauskreis.de



ROMANIA

Institutul de studii si proiectari energetice – ISPE
www.ispe.ro



SLOVAK REPUBLIC

Institút pre energeticky pasívne domy – IEPD
www.iepd.sk



SLOVENIA

Mariborska razvojna agencija – MRA (Maribor Development Agency) www.mra.si/mariborska-razvojna-agencija.aspx



SWEDEN

IVL Swedish Environmental Research Institute Ltd.
www.ivl.se



UNITED KINGDOM

Association for Environment Conscious Building – AECB
www.aecb.net



GERMANY

Passivhaus Institut Darmstadt – PHI (Cooperation partner)
www.passiv.de

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