

Press Release

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The Passive House project wagnisArt in Munich with 138 co-op apartments was recently one of the visits of the "Architektouren" event organised by the Bavarian Chamber of Architects. Photo: Michael Heinrich

Affordable and energy efficient!

22nd International Passive House Conference in Munich – Call for Papers

Darmstadt/Munich, Germany. In view of the international climate objectives, providing both affordable and energy efficient living space has become a challenging task for cities and communities. Solutions for solving this dilemma will be discussed at the 22nd International Passive House Conference which will take place on 9 and 10 March 2018 in Munich. "Passive House – it's worth it!" is the motto of this year's Conference, which will be introducing many low-cost projects relating to energy efficient construction to the Passive House Standard. The Call for Papers has begun.

Rising rents in big cities

Rental prices are continually increasing particularly in large cities and worldwide. Prices for land and building plots are also increasing at the same time. Municipalities are bemoaning the lack of affordable housing space for the general population. In view of the climate protection objectives, cities and municipalities are therefore faced with the challenge of building affordable and energy efficient buildings. This applies equally for new constructions as well as refurbishments for existing buildings.



City panorama with a view of the Alps: in Munich, the 22nd International Passive House Conference will take place in March 2018. The main focus of the conference is the compatibility of energy efficiency and cost effectiveness. © Thomas Klingner

Major challenge for municipalities

Reconciling efficiency and cost-effectiveness will therefore be a focal topic at the 22nd International Passive House Conference in Munich. Accordingly, the key theme of this conference, where over 1000 experts in the field of energy efficient construction will come together, is "Passive House – it's worth it!".

"Passive House – it's worth it!"

The Passive House Standard already fulfils the requirements for the Nearly Zero Energy Building which will apply for all new buildings in the European Union from 2020, and by the end of 2018 for all new public buildings. The Founder and Director of the Passive House Institute in Darmstadt, Dr. Wolfgang Feist points out the great progress that has been made with regard to energy efficient building components.

Great progress with Passive House components

"For example, today triple glazing costs little more than the old double glazing. This trend is also becoming apparent with all other products which are decisive for Passive House buildings. The necessary additional investment in an energy efficient building is therefore worthwhile even with comparatively low energy prices. The Passive House Conference summarises the insights gained with thousands of examples," says Feist.



The Passive House Institute's project database lists Passive House buildings throughout the world, including this Passive House Plus in Bavaria with PV-system. © Herz & Lang

10,000-Houses-Programme in Bavaria

In Bavaria, the federal state, as well as its capital Munich, offer several subsidy programmes for energy efficient construction and modernisations. "With its 10,000 Houses Programme, the Bavarian Ministry of Economic Affairs promotes new constructions and modernisations as energy efficient and future-oriented buildings," explains Rudolf Escheu, who is the Head of the Renewable Energies and Energy Efficiency Department of the Bavarian Ministry of Economic Affairs. In addition, in 2011 the Free State of Bavaria made the decision to build all new non-residential buildings belonging to the state in accordance with the Passive House Standard.

Bavaria builds to the Passive House Standard

Two of the interesting Passive House projects in Munich are the wagnisART cooperative housing complex which offers 138 apartments and was the result of a joint venture between future residents as well as 25 apartments in the Passive House building in the Gertrud-Grunow-Street. Both projects were recently included in the Bavarian Architects Chamber's list of places to be visited as part of the event "Architektouren". The project database of the Passive House Institute also lists many Passive House projects all over Bavaria. (www.passivehouse-database.org)

Call for Papers

The Call for Papers for the 22nd International Passive House Conference with the motto "Passive House – it's worth it!" has begun. This time the Conference will focus on the aspect of the compatibility of energy efficiency and cost-effectiveness. Other topics include the sustainable energy supply of Passive House buildings, retrofits to the Passive House Standard, building materials under focus from the economic and ecological perspective, qualification of designers and tradespersons, and adaptation to the climate for summer comfort. Abstracts may be submitted until 12 September 2017.

Passive House international

1100 participants visited the 21st International Passive House Conference in Vienna. Because the extremely energy efficient Passive House Standard is becoming increasingly popular globally, the number of international participants is also steadily increasing. In particular, participants from other European countries, North America and China were represented in large numbers at the previous Conference in Vienna.

The banner features a background image of the Munich skyline with the Frauenkirche. On the left, a green circle contains the text "Call for Papers" and "Frist 12. September 2017". The main text reads "INTERNATIONALE PASSIVHAUSTAGUNG 2018" and "Passivhaus – das lohnt sich! 9. – 10. März 2018 München". At the bottom, there is a row of logos for various organizations including IG PASSIVHAUS, DBU, Bayerisches Staatsministerium für Wirtschaft und Medien, Energie und Technologie, Landeshauptstadt München, Referat für Gesundheit und Umwelt, bayern innovativ, Sinfonia, and the European Union.

The 22nd International Passive House Conference and the accompanying specialists' exhibition will take place on **9 and 10 March 2018** in the MOC event location in Munich. Workshops and excursions will take place from **7 till 11 March 2018**.

Further information can be found on www.passivehouseconference.org

The following are co-organisers of the 22nd International Passive House Conference:



Bayerisches Staatsministerium für
Wirtschaft und Medien, Energie
und Technologie



Landeshauptstadt
München
Referat für Gesundheit
und Umwelt

bayern  innovativ

General information

Passive House

A Passive House is a building that does not require any conventional building heating on account of its excellent thermal insulation. Such buildings are called "passive houses" because a major part of their heating demand is met through "passive" sources such as solar radiation or the waste heat from occupants and technical appliances. A Passive House thus consumes about 90 percent less heating energy than existing buildings and 75 percent less energy than an average new construction.

Passive House & COP23 in Bonn

The United Nations (UN) explicitly mention Passive Houses as a possibility to increase the energy efficiency of buildings and thus reduce global warming,

=> see "The Emissions Gap Report 2016", pages 32 + 35.

https://uneplive.unep.org/media/docs/theme/13/Emissions_Gap_Report_2016.pdf

Pioneer Project

The first Passive House in the world was built in Darmstadt-Kranichstein (Germany) 25 years ago by four private homeowners on their own personal initiative. Ever since the homeowners moved in with their families in 1991, these terraced houses have been regarded as a pioneer project for the Passive House Standard. 25 years later, building physicists have attested to the unimpaired functioning of the first Passive House and its unchanged low heating energy consumption. With its newly installed photovoltaic system, the world's first Passive House now utilises renewable energy and received the Passive House Plus certificate for this reason.

Passive House and renewable energy

The Passive House Standard can be combined well with on-site renewable energy generation. Since April 2015, the new building classes "Passive House Plus" and "Passive House Premium" have been available for this supply concept.

Passive Houses worldwide

Passive Houses buildings for all types of uses now exist everywhere. In addition to residential and office buildings there are also kindergartens and schools, sports halls, swimming pools and factories built as Passive House buildings. The first Passive House hospital in the world is currently being built in Frankfurt am Main. Interest in Passive House is growing. In view of the consumption of resources in industrialised countries and the need to contain global warming, municipalities, businesses and private people are increasingly implementing new constructions or retrofits to the Passive House Standard.

Passive House Institute

The Passive House Institute with its headquarters in Darmstadt (Germany) is an independent research institute for highly efficient use of energy in buildings. Under the leadership of Dr. Wolfgang Feist, the Institute holds a leading position internationally with regard to research and development in the field of energy efficient construction.

Pictures for editorial purposes: www.flickr.com/photos/passive-house-institute

To get the latest news relating to Passive House, visit: www.twitter.com/the_ipha

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