

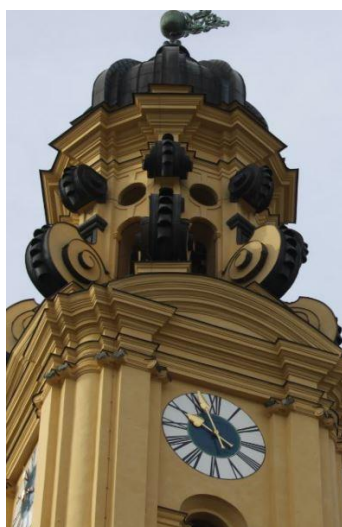


The Free State of Bavaria and its capital Munich have some great climate-friendly construction projects, among them this administrative building in Eitting, and residential districts. Everything you need to know will be presented at the 22nd Passive House Conference in March 2018 in Munich. ArchitekturWerkstatt Vallentin, © Jakob Kanzleiter

Munich shows its efficient side

“Passive House – it’s worth it!” – Passive House Conference on 9 and 10 March 2018

Darmstadt/Munich, Germany. Munich has many great examples of climate-friendly construction projects and residential districts. These projects are setting new energy efficiency and community life standards at affordable prices! The 22nd Passive House Conference in Munich will provide insights into these unique and surprising residential projects. The main topic of the upcoming conference "Passive House – it's worth it", puts a special focus on aligning economic viability with energy efficiency.



The next Passive House Conference in March 2018 will take place in Munich. © PHI

"Energy efficiency improves comfort and reduces the risk of structural damage. For new constructions and renovations alike, energy efficient construction ultimately reduces the overall cost burden for the residents of the building," explains the founder of the Passive House Institute, Professor Wolfgang Feist. The Passive House Institute will host the International Passive House Conference and the accompanying Passive House Exhibition.

Munich and Passive House

Although Munich is often in the news for its high prices and rental costs, the International Passive House Conference offers a very different view of how people live in the provincial capital, pointing out that a lot is happening in Munich and Bavaria with regard to energy efficiency.



The Maximilianeum (on the right) built in 1874, is one of Munich's major landmarks and also the seat of the Bavarian State Parliament. Almost 150 years after its initial construction, the historic building has received an energy efficient extension built to the Passive House Standard. Léonwohlhage, © Christian Richters, Berlin

Many Passive House buildings in Munich and its surroundings

This can be seen not only by the "10,000 Houses Programme" which promotes efficient and system compatible buildings, but also the numerous buildings constructed to the Passive House Standard. These include buildings belonging to the Montessori Society of Erding, the administrative building of the Eitting wastewater association, the extension of the Bavarian State Parliament in Munich and numerous retrofits projects.

Munich – a role model for district development

Munich is also setting an example when it comes to the development of districts. Great emphasis is put on energy efficient building standards and cohousing, as has been done in the districts of Ackermannbogen and Domagkpark. Both these districts evolved in Munich on the sites of former barracks and today they provide several thousand people with affordable living space within the city's limits. Excursions to these city districts will be organised as part of the Passive House Conference.

Economic viability

More than 120 speakers from 50 countries are expected to give lectures at the 22nd International Passive House Conference. During the many working groups on both conference days, they will focus on projects relating to new constructions and retrofits. In line with the main topic of the conference, the focal point will be on the economic viability of Passive House projects. Additional attention will be given to cost-effective ventilation solutions, ecological aspects of construction, and components and building technology. The Passive House party will take place on Friday evening after the conference, with participation included in the conference fee.



Whether for one family or more, Munich is home to many interesting residential Passive House projects. Architektur-Werkstatt Vallentin, © Jakob Kanzleiter



In the Domagkpark district in northern Munich, Wohnbaugenossenschaft wagnis eG, together with the future residents, has built their project 'wagnisArt' to the Passive House Standard. Their community is grounded in highly energy efficient construction and committed cooperation. bogevischs buero, SHAG Schindler Hable, © Michael Heinrich

Numerous workshops

The 22nd International Passive House Conference will be held on March 9-10 at the MOC in Munich. Numerous workshops will be organised from Monday until Thursday, including one on airtightness and moisture control in different climates. Other workshop topics include building envelopes, cooling and dehumidification and the planning tools PHPP and designPH.

Passive House Specialists Exhibition

Passive House components will be displayed at the two-day trade exhibition which will take place parallel to the Conference. Leading national and international manufacturers will present their components for building and retrofitting to the Passive House Standard. Besides windows and doors, heat recovery ventilation systems and systems for thermal insulation, measurement devices will also be on display.

Excursions to Munich and the surrounding region

At the end of the Conference on Sunday, 11 March 2018, attendees will be able to take part in excursions to interesting Passive House projects in Munich and the surrounding region. The Conference languages are German and English; simultaneous translation into English will be available for lectures in the German language. The early booking discount will be available until 15 January 2018. Further information can be found at www.passivehouseconference.org

The 22nd International Passive House Conference is supported by:



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 in "The Emissions Gap Report 2016".

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.



© Peter Cook

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 headquarter 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. The Passive House Institute is the organizer of the International Passive House Conference and the related exhibition. The next Passive House Conference takes place 9 - 10 March 2018 in Munich, Germany.



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The latest news on the subject of Passive House: www.twitter.com/IGPassivhaus

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