

## Press Release

10 March 2018



The 23<sup>rd</sup> International Passive House Conference in 2019 will be held in Gaobeidian, China, about a hundred kilometres south of the capital Beijing. The largest Passive House settlement in the world is currently being built in Gaobeidian.

# Energy efficiency highly popular in China

**In 2019 the Passive House Conference will be held in China for the first time**

***Darmstadt/Munich, Germany.*** The next International Passive House Conference is to be held in China. The 22<sup>nd</sup> Passive House Conference in Munich came to an end on Saturday and following tradition, Professor Wolfgang Feist announced the venue for the following conference. Energy efficient construction and retrofitting experts will convene in the Chinese city of Gaobeidian next year. This will be the first time that the renowned Conference will be held outside of Europe.

### **Booming construction industry**

"We are aware that this decision may be surprising to some. However, it is in China where the most construction activities are currently taking place, and this will continue to be the case in the coming decades. Each new building brings with it an additional demand for energy for heating and cooling, therefore it is extremely gratifying that China is making serious efforts to radically improve the energy efficiency of buildings. There is still a chance of meeting the climate protection objectives," explained Professor Wolfgang Feist of the University of Innsbruck.

### **Largest Passive House settlement**

The 23<sup>rd</sup> International Passive House Conference will be held on **21 and 22 September 2019**. The city of Gaobeidian lies around 100 kilometres south of the Chinese capital of Beijing in the Hebei Province. Among other things, a Passive House settlement is currently being built in Gaobeidian which, after completion, will be the largest energy efficient settlement in the world, boasting about one million square metres of living space.



The Passive House settlement in Gaobeidian after its completion will be the largest in the world. Numerous Passive House projects are currently also being realised in the cities Tianjin, Beijing and Qingdao.

### **Apartments can be viewed**

The first construction phase of this settlement will have been completed by the time the 23<sup>rd</sup> Passive House Conference takes place. The apartments will be inhabited and it will be possible to view them. The settlement also features a guest house and a museum which have been built to the Passive House Standard. In general, many new buildings in China are currently being realised to the Passive House Standard, including in the cities Tianjin, Beijing and Qingdao.

### **Technology Park**

To promote energy efficiency in the construction industry, a technology park was also constructed in Gaobeidian, which forms the basis for the construction industry with reference to the development and production of components, professional training and scientific education. The founder of the Passive House Institute Professor Wolfgang Feist explains the decision to hold the next Passive House Conference in China: "The Passive House Institute and the University of Innsbruck wish to support this development".

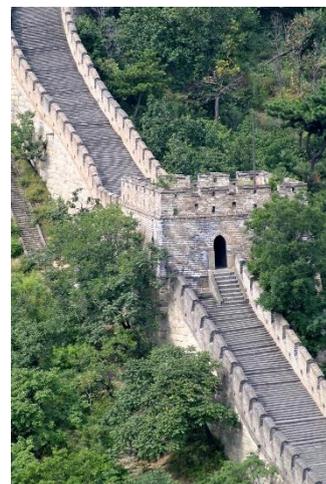
### **"Positive impact"**

The Passive House Standard can be applied anywhere in the world and can thus also be implemented in the various climatic conditions of China. Shou Qiang Ni, President of the Chinese company Window City, explained in Munich: "The International Passive House Conference is the most important event on the subject of energy efficient construction. New products, technology and ideas are presented here. We are certain that the 23<sup>rd</sup> International Passive House Conference in China will have a positive impact on furthering the development of energy efficient construction and environmental protection in our country".

### **"Achieve better buildings" in Heidelberg**

In addition to the 23<sup>rd</sup> International Passive House Conference in China, the "Achieve better buildings" Conference will take place next year in Heidelberg, Germany. On 3 and 4 May 2019 the Passive House Institute will offer workshops and lectures on the topic of energy efficient construction and retrofitting. Further information can be found at

[www.heidelberg.passivhaustagung.de](http://www.heidelberg.passivhaustagung.de)



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## 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.



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### 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 House 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. Dr. Wolfgang Feist is the founder of the institute. It 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.



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The latest news on the subject of Passive House: [www.twitter.com/IGPassivhaus](https://www.twitter.com/IGPassivhaus)

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### **Press contact:**

Katrin Krämer, Press Officer

Passive House Institute Dr. Wolfgang Feist | Rheinstr. 44/46 | 64283 Darmstadt

Telephone: +49 (0) 6151/82699-0 | E-mail: [presse@passiv.de](mailto:presse@passiv.de) | Internet: [www.passivehouse.com](http://www.passivehouse.com)