

# 01.03\_PH-SUMMER SCHOOL

## THE PASSIVE HOUSE DEVELOPMENT IN AUSTRIA

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01.03.02

# **2 key points behind the rapid development of the PH standard in Austria within the last few years !**

Source:

01.03.03

## In 1995 the first single-family-house in Austria built to the PH-Standard was inhabited

House Caldonazi in Amerlügen



Source: Ernst Heiduk

01.03.04

## Spring 2006 - Common press conference of architects, property developer and politicians for the opening of the 1000<sup>th</sup> passive house.



Apartment block in Klagenfurt

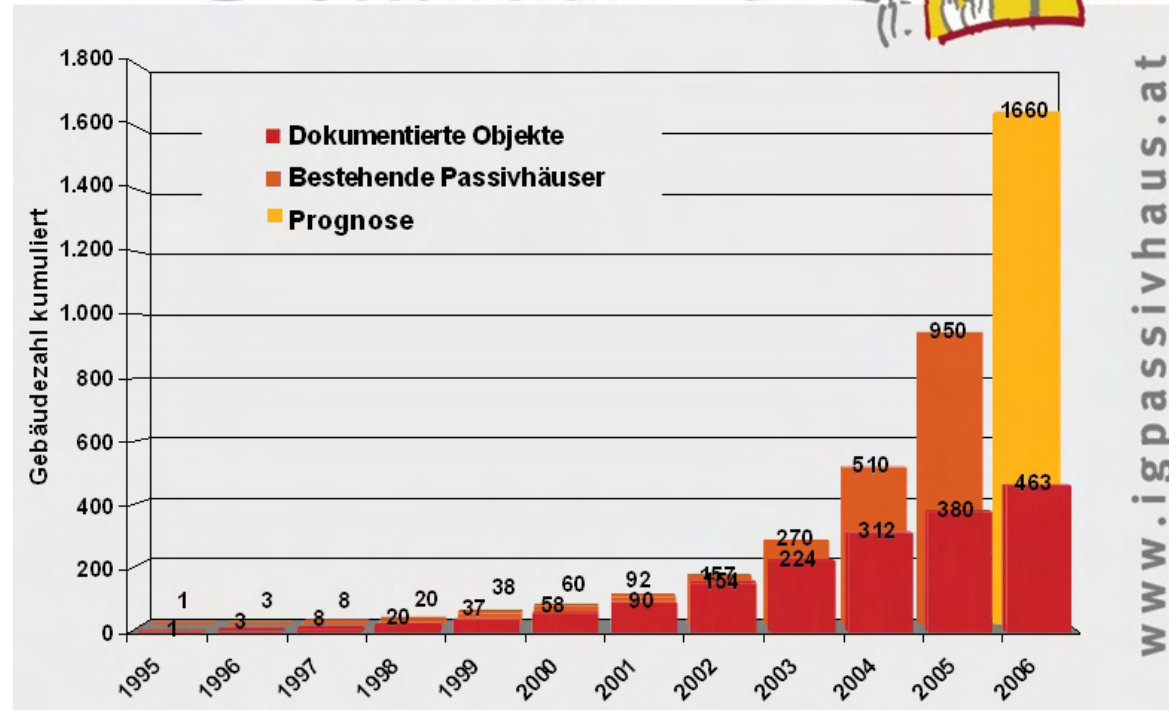


Architecture:  
Architects Klaura & Kaden

Source: Ernst Heiduk

## The rate of development since 1995

IG Passivhaus Österreich



www.igpassivhaus.at

Source: IG Passivhaus Österreich www.igpassivhaus.at

01.03.06

# Which buildings have been built?

Source:

01.03.07

**So far predominantly single-family-houses,  
but also examples of every possible other  
building typology!**

Source:

01.03.08

## Detached house in Wels (2004)



Architecture: Herbert Leindecker

Source: Ernst Heiduk



01.03.09

## Detached house in Vienna (2006)



Architecture: MAGK architekten

Source: [http://openpr.de/images/articles/0/c/0cc193bbe24753cb32cb73ce3979f0a7\\_g.jpg](http://openpr.de/images/articles/0/c/0cc193bbe24753cb32cb73ce3979f0a7_g.jpg) (2007-02-11, 18:30)

01.03.10

## Terraced row-houses in Weiz (2006)



Architecture:  
Erwin Kaltenegger

These terraced houses produce more energy than they consume, using solar panels .

‘EUROSOLAR-Award 2007’



Source: Erwin Kaltenegger

01.03.11

## Apartment building in Wolfurt (1996)



Architecture: Gerhard Zweier

Source: [ArchitectureWeek.com](http://ArchitectureWeek.com)

01.03.12

## Apartments in Linz (1996)



Architecture: Treberspurg & Partner Architekten

Source: xxx

01.03.13

## Apartment buildings in Vienna (2006)



Architecture: Werner Hackermüller

Source: Ernst Heiduk

01.03.14

## Apartment buildings in Vienna (2006)



Architecture: dietrich|untertrifaller architekten

Source: Ernst Heiduk

01.03.15

## Students hostel in Vienna (2005)



Architecture:  
Architekten Baumschlager & Eberle



Visit of the Minister



Source: IG Passivhaus Österreich [www.igpassivhaus.at](http://www.igpassivhaus.at), Pressedienst der Stadt Wien

01.03.15

## Kindergarten in Vienna (2006)



Architecture: Georg Reinberg



Source: [www.reinberg.net/architektur/167](http://www.reinberg.net/architektur/167) (2008-06-05, 21:45)



01.03.17

## Scout's hostel in Wolfurt (2005)



Architecture: Hermann Kaufmann

Source: Ernst Heiduk

01.03.18

## New school in Schwanenstadt (2006)



Architecture:  
PAUAT Architekten



Source: Heinz Plöderl, PAUAT Architekten, Wels

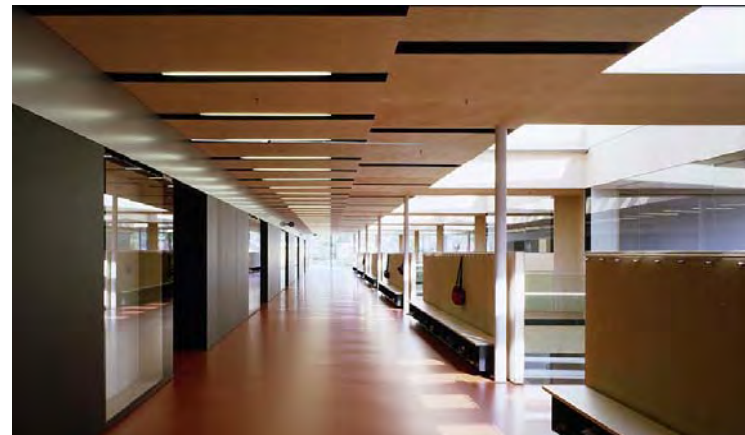
01.03.19

## New school in Klaus (2005)



Architecture:  
Dietrich | Untertrifaller Architects

**„Would-Energy-Award 2005“**



Source: Architekten Dietrich - Untertrifaller

01.03.20

## Office building in Mödling (2004)



Architecture: Ruth König

Source: Fotos: Thomas Kirschner

01.03.21

## Office building in Großwilfersdorf (2005)



Architecture:  
Erwin Kaltenegger



Source: Fotos: Harald Eisenberger

01.03.22

## Supermarket in Thening (2003)

[www.oekomarkt.at](http://www.oekomarkt.at)



Architecture:  
Poppe\*Prehal Architekten



Source: [www.oekomarkt.at/das\\_projekt.html](http://www.oekomarkt.at/das_projekt.html) (2007-11-13, 15:30)

01.03.23

## Community centre Ludesch (2006)



Architecture: Hermann Kaufmann

Source: HdZ Bericht 51/2006 BMvit

01.03.24

## New church in Wels (2004)



Architecture: architects luger & maul



Source: left: Ernst Heiduk, right: Walter Ebenhofer



01.03.25

## Timber workshop in Schwanenstadt (2004)



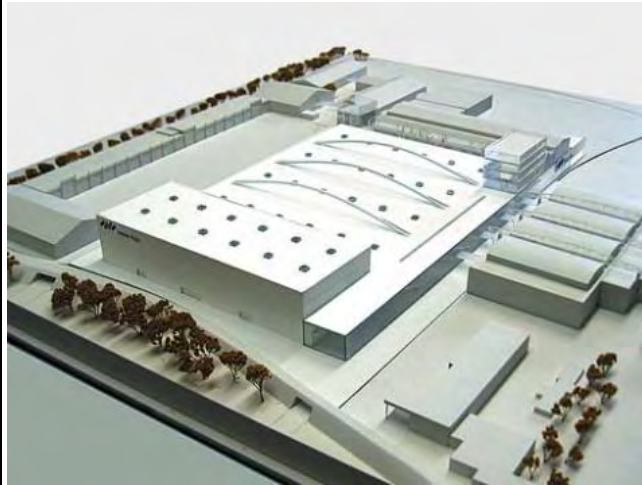
Architecture:  
F2 Architekten Fischer & Frömel



Source: Ernst Heiduk

01.03.26

## Exhibition hall in Wels (2007)



Architecture: AT4 - Architekten



Source: left: [www.salzburger-fenster.at/dbgfx/artikel/4431\\_1\\_17-wels-01.jpg](http://www.salzburger-fenster.at/dbgfx/artikel/4431_1_17-wels-01.jpg), right: Ernst Heiduk

01.03.27

## New alpine hut (Schiestlhaus) at 2154 m high as passive house (2006)



Source: [http://treberspurg.imgnet.at/Presse/Projekt%20Schiestlhaus/SCHIESTL10\\_winter.jpg](http://treberspurg.imgnet.at/Presse/Projekt%20Schiestlhaus/SCHIESTL10_winter.jpg) (2007-03-28, 17:20)

01.03.28

## New alpine hut (Schiestlhaus) at 2154 m high as passive house (2006)



Architecture: GP-ARGE pos architekten  
+ Treberspurg & Partner Architekten

Source: [http://treberspurg.imgnet.at/Presse/Projekt%20Schiestlhaus/SCH\\_14\\_SO\\_fertig.jpg](http://treberspurg.imgnet.at/Presse/Projekt%20Schiestlhaus/SCH_14_SO_fertig.jpg) (2007-03-28, 17:20)

01.03.29

## The important step into the renovation



Source: IG Passivhaus Österreich [www.igpassivhaus.at](http://www.igpassivhaus.at) (2007-04-22, 11:40)

01.03.30

## PH-renovation of an one-family-house in Pettenbach (2005)



Architecture: Lang Consulting

Source: IG Passivhaus Österreich [www.igpassivhaus.at](http://www.igpassivhaus.at) (2007-04-22, 11:40)

01.03.31

## PH-renovation of a multi-family-house in Linz (2006)

Architecture:  
Architekturbüro ARCH+MORE



Source: Foto: Gerhard Kopeinig

01.03.32

## PH-renovation of a multi-family-house in Linz (2006)



Source: Ingrid Domenig-Meisinger



01.03.33

## PH-renovation of a school in Schwanenstadt (2006)



Architecture: PAUAT Architekten



Source: Heinz Plöderl, PAUAT Architekten, Wels

01.03.34

## PH-renovation of a school in Schwanenstadt (2006)



Source: Ernst Heiduk

01.03.35

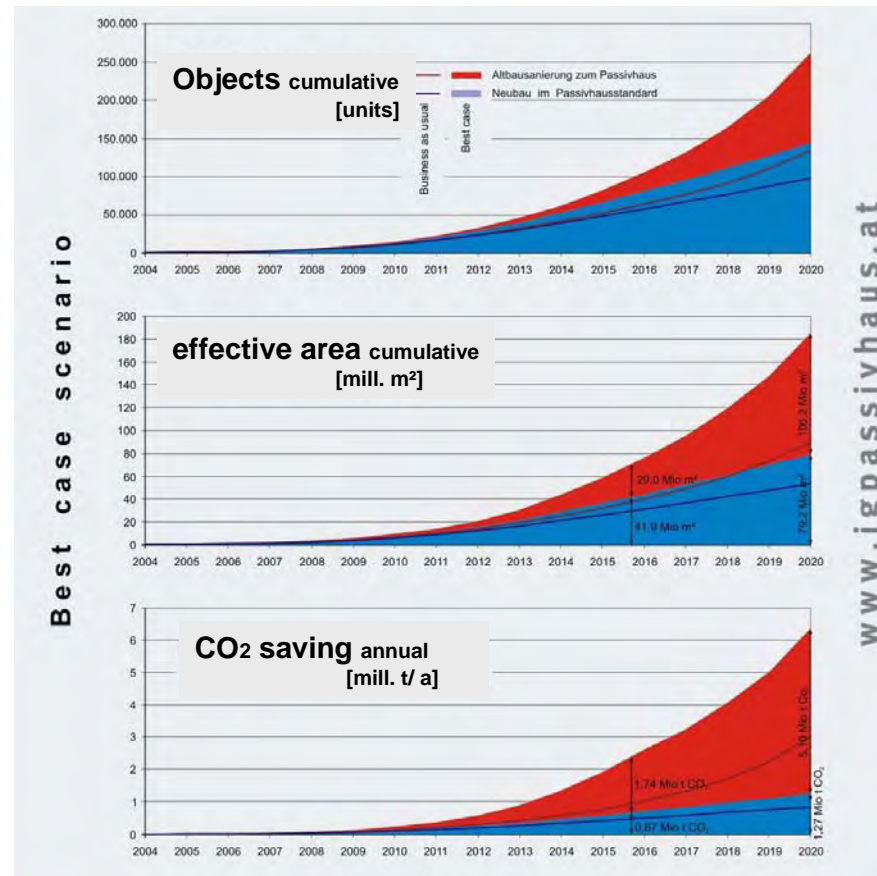
## PH-renovation of a commercial enterprise in Wolfurt (2005)



Architecture:  
Gerhard Zweier

Source: Ernst Heiduk

## Graphic presentation of this development



Source: IG Passivhaus Österreich

## Forecasts of the further development

- **Forecasts predict that by 2010 28% of all private new build in Austria will be constructed to the PH standard.**
- **The higher workmanship required is anticipated to result in an increase of about 8% in the building and construction industry labour market at the same time.**