

**CIBSE – BSG:POE**  
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# **Micro POE: Living in a Passivhaus**

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# Passivhaus?

The first passivhaus designs were completed in Darmstadt, Germany in 1991

The Passivhaus Institut was formed in 1996

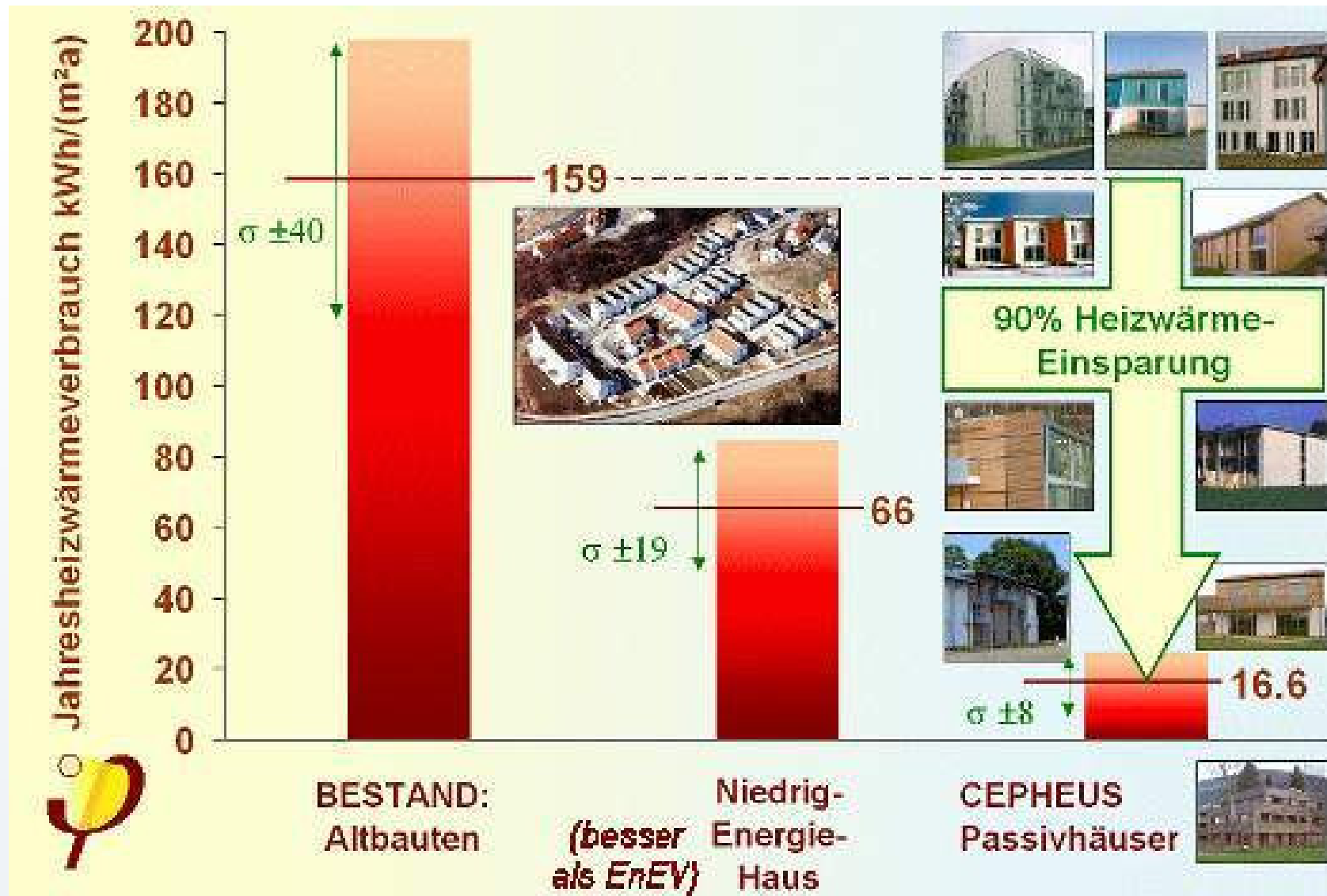
Since then around 22,500 passivhaus projects have been completed world-wide, mostly in Germany and Austria

A few also exist in the US

To date c.15+ accredited passivhaus designs exist in the UK

But there are many more in the pipeline





CEPHEUS (Cost Efficient Passive Houses as European Standards) programme

## German Passivhaus Case Studies

St. Jakob, family –friendly, Passivhaus Flats, Gremppstraße,  
Frankfurt – occupied from 2003

The KlimaSolarHaus, Bänschstraße, Berlin  
– occupied from 2009

Both built to Passivhaus standard but –

- St.Jakob built with individual MVHR units in flats
- The KlimaSolarHaus has a central MVHR unit



St.Jakob, Gremppstrasse, Frankfurt - 03.12.10.

**19 Flats**



**19 Flats**

	Interview Questions	Interviewfragen
1	<b>How long have you lived here?</b>	Wie lange wohnen Sie hier schon?
2	<b>What is it like to live here?</b>	Wie ist es hier zu leben?
3	<b>How did you come to live here?</b>	Warum wohnen Sie hier?
4	<b>Is there in your eyes anything different or special about living in this building?</b>	Was ist besonders oder anders hier zu wohnen? Zum Beispiel im Vergleich zu einem normalen Haus oder einer normalen Wohnung
5	<b>How much do you feel you know about this development/ where did the information come from/ how was it passed on to you?</b>	Nach Ihrem Empfinden wie viele Informationen habe Sie über dieses Haus? Woher haben Sie diese Informationen? Und wie haben Sie diese erhalten?
6	<b>What do you think of it?</b>	Was halten Sie von diesen?
7	<b>Has it made you do things differently?</b>	Haben diese Informationen Ihren Lebensstil verändert?
8	<b>Have you made any changes to your home?</b>	Haben Sie Ihre Wohnung renoviert oder verändert?
9	<b>If you had the choice (and money), what would you change in your home?</b>	Was würden Sie in Ihren Wohnung verändern, wenn Sie die Wahl und das Geld hätten?
10	<b>If they will build another version of this development, what should they change?</b>	Wenn noch eine ähnliches Haus gebaut wird, was sollte anders gemacht werden?
11	<b>Any other comments?</b>	Noch etwas?

## Key Findings

- Positive feedback from occupants
- Residents happy with comfort and living costs
- Acoustics - difference both positive and negative
- They needed to 'learn' how to live in their developments
- The community building process was integral to the success from the earliest stages – pre construction!
- Combination of successful installation of **technology**, combined with **financial** and **social** support