

Pessive House

Euro**PHit** 

# **EuroPHit**

Retrofitting for the energy revolution, one step at a time

Tallinn, 22.09.2014

Passive House Institute, Germany Oliver Ottinger, Berthold Kaufmann

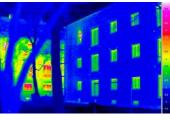


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# Agenda

- 1. EuroPHit project background
- 2. Energy retrofits
- 3. Case studies and Observers
- 4. Financing

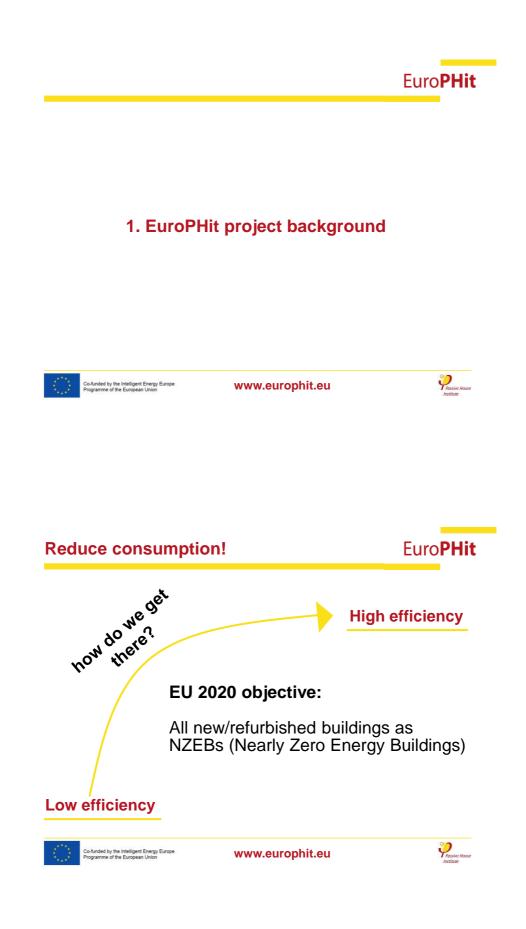


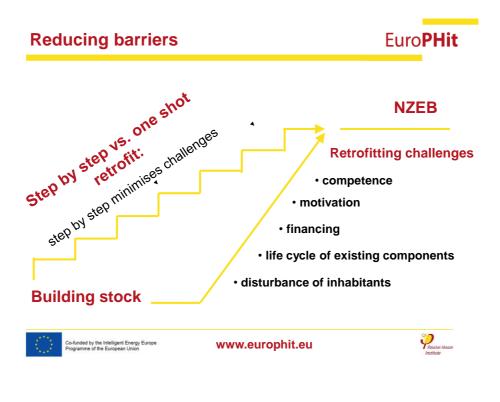




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# 2. Energy retrofits



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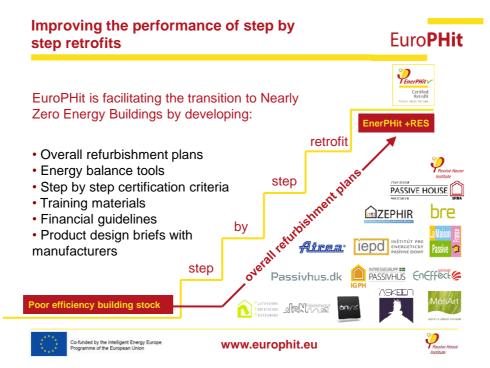


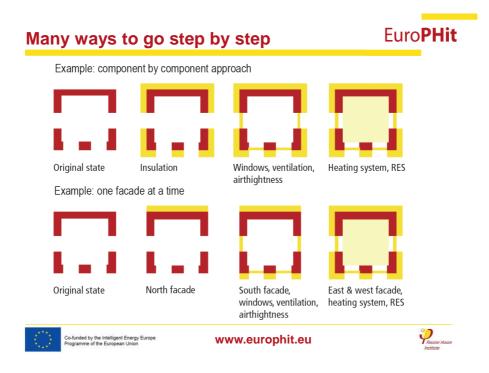
# IF you do it, do it right!!

# Euro**PHit**

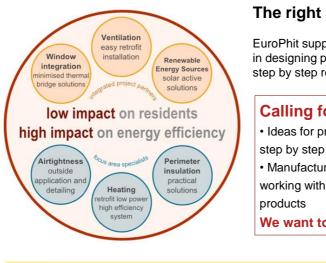
Quality renovation ... achieved with the Passive House principles







#### **EuroPHit** Products for step by step refurbishment



### The right products

EuroPhit supports manufacturers in designing products that aid step by step renovation

### **Calling for**

- · Ideas for product suited to step by step retrofitting
- · Manufacturers interested in working with EuroPHit on

We want to hear from you!

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# Euro**PHit**

# 3. Case studies and Observers Projects



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## **Concrete examples: Case studies and Observers**

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# 5. Financing



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PHPP – Planning tool for	retrofits	Euro <b>PHi</b>
		EnerPHit verification
Passive House Planning Package Each case study will be analysed with a new version of PHPP allowing parallel calculation of variants.	Anthenia Baret Pomode/Cp	Energy River Section 2015
РНРР 🤣		Continue Procession Continue International Continue (Continue) (Continue (Continue) (Con
Insulation, improving airtightness, eliminating thermal bridges, replacing windows etc. will be evaluated based on resulting energy savings and profitability.	Space heating Annual he Space excelling Overall specific space co	mbr 2 model 444 XMbinu*a 7 XMbinu*a 70   Manageval 116 Wmbinu*a 2 - -   Candigated Wmbinu*a 2 - - -   Candigated Wmbinu*a 2 - - - -   XMbinu*a 2 - - - - - -   XMbinu*a 2 - - - - - -   XMbinu*a C VMbinu*a C VMbinu*a -
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HPP V9 – what is to come next?		Euro <b>PHi</b>
Parametric studies & economic for → direct comparison of differe → long term plan for EnerPHit		ents a phase
→ direct comparison of different	ent compone retrofit	d phase
	ent compone retrofit testin	d phase



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W/m² % kwh/(m²a)

yes / no

1.3 60.1

yes

0.3

no

1.0 73.5 no

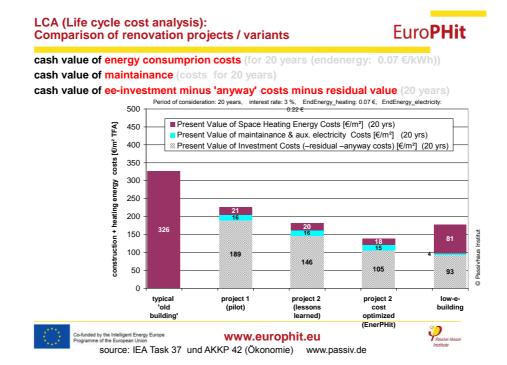
Cooling loa

Frequency of overheating Total primary energy demand Certifiable as Passive House?



1.3

yes



# **Proper financing**



#### Energy retrofits pay off!!! ...still, finding appropriate financing for the investment needed is key.



# **Getting involved**



Passi

#### Join the EuroPHit network free of charge!

->become part of a pool of competence on energy retrofitting →access to the EuroPHit Forum ->be kept up to date on project progress and key project outcomes

#### Or help out by

->filling out a financial survey project -Hetting us know about product ideas and manufacturer interest





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### Leipzig | Germany

17 - 18 April 2015

with exhibition and framework programme





Including special sessions on step by step retrofits, EuroPHit project results, and more!

www.passivehouseconference.org

With step by step retrofit projects, EnerPHit refurbs and Passive House buildings taking part throughout the 11 partner countries and beyond!

### www.passivehouse-database.org



