BUILD UP
energy solutions
for better buildings

www.buildup.eu

BUILD UP: An Open Platform to Disseminate Energy Efficiency Related Information

Official EU portal for energy efficient building

Olli Seppänen

Secretary General

REHVA – European Federation of HVAC Associations

Frankfurt, April 15, 2010

REHVA seminar

Goals

BUILD UP
energy solutions
for better buildings

Improve the energy performance of buildings by gathering building professionals, local authorities and citizens on THE European portal for energy efficiency in buildings

Public authorities

Building professionals

Building occupants

BUILD UP
energy solutions
for better buildings

Objectives

- **Promote energy efficiency in buildings** across Europe
- **Inform and update the market** about the legislative framework
- **Catalyse and release Europe's collective intelligence** for an effective implementation

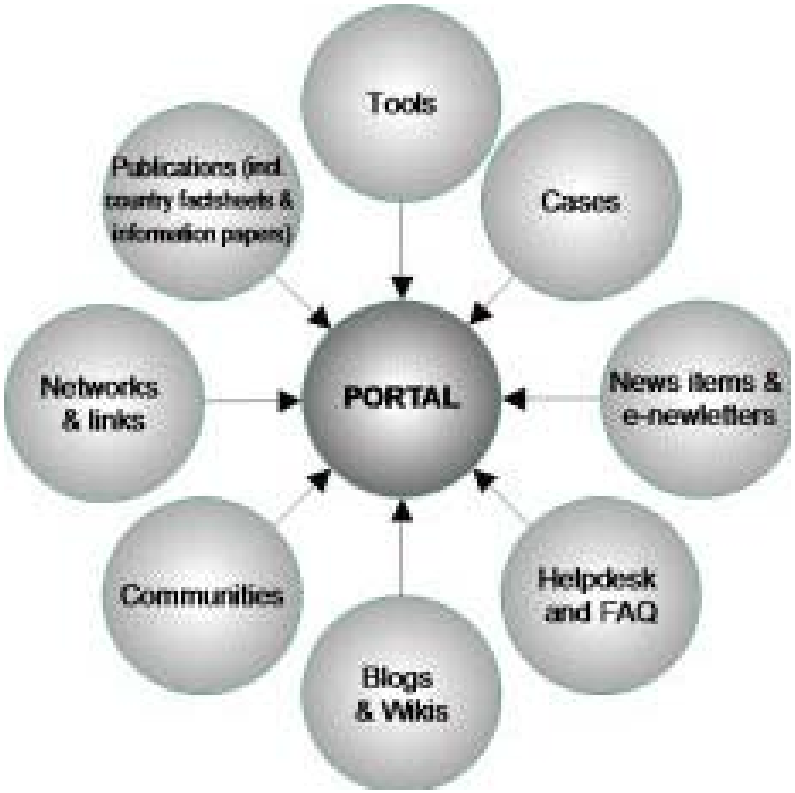
Encourage, Transfer, Promote information and knowledge

Influential

Interactive

Powerful

Proactive



BUILD UP
energy solutions
for better buildings

Solutions depending on audiences

The market

Public authorities

Building professionals

Building occupants

BUILD UP

Web portal

Energy legislation

EPBD resource centre

National info in practice

You and the EU

Energy efficiency

Database of Cases & Tools

Your guide to energy efficiency

BUILD UP
energy solutions
for better buildings

Building professionals

Cases

Tools

Publications

Top News

Upcoming Events

BUILD UP
energy solutions
for better buildings

and you want to inform others of your activities…

The back office will review all submittals in a few days before the final publication

BUILD UP
energy solutions
for better buildings

Why posting information?

Propose a news item, Event, Publication, Link, Case and/or Tool!

- Visibility at the EU level
- Recognition in the field of energy efficiency of buildings
- If you want to inform others of your activities

Propose an Event!

Propose/join a Community!

- Common interests
- Blogging
- Specific calendar
- Networking
- Knowledge among peers
- If you want to better serve your members and/or targets

Propose a Community!

BUILD UP
energy solutions
for better buildings

Example

Low-energy House in Sisimiut (Greenland)

Posting Date | 17 September 2009

Country | Denmark

Geographic Coverage | International

Theme | Design, engineering and labels of low energy consumption buildings

48 visits

Show more details

design | measurements | Low-energy house | Arctic climate

A low-energy house was built in Sisimiut, Greenland in 2004-05 and since its inauguration in April 2005, its performance and operation have been object of study for researchers and students. The house is characterised by a highly insulated building envelope, advanced windows and a ventilation system with heat recovery, which should cut the energy consumption of the building to only half of what in 2006 became the permissible value in the Greenlandic building code. In addition to this, the house is equipped with a solar collector that supplies heat to the domestic hot water system and delivers auxiliary heat to a room in the building.

Description | The objective of the low-energy house project in Sisimiut was to build a house with so little energy consumption that it could be justified to call it a low-energy house – given the conditions of the Arctic location. The definition of a low-energy house is that it is a house which consumes only half the energy permitted in the building code. The building code of Greenland from 2006 permits annual energy consumption for heating and ventilation of 230 kWh/m2 for a single storey dwelling located north of the Arctic Circle. Given that this house has a ventilation system with heat recovery unit, it could be expected to consume around 70 kWh/m2 less heating energy, and thus the, the permissible energy should be only 160 kWh/m2, although there is official specification like this in the building code, since it does not assume dwellings to be equipped with a ventilation system with heat recovery unit. As a low energy house, it was set as a target that the energy consumption for

Comments

17 September 2009 | 0 replies | 8 visits

Interesting case

It is interesting to see how you deal with these types of energy in extreme weather

...

Send Your Comment | View all

Related Tools

Status in April 2010

- Over 1000 visitors a day
- Monthly newsletter
- English is the main language but material in all 23 EU languages accepted
- Filter/search by language, theme, topic, keywords, date, country, etc

- 1433 publications
- 437 links
- 70 cases
- 80 tools
- 63 upcoming events
- 18 communities

BUILD UP
energy solutions
for better buildings

Finally

BUILD UP is a tool from the European Commission
for the market
to help reduce the energy consumption of buildings across Europe

www.buildup.eu

Have a look!

Register

Post your items

Propose/Join a Community

Share the intelligence

Tell your networks

BUILD UP
energy solutions
for better buildings