

Bringing Retrofit Innovation to Application in Public Buildings – BRITA in PuBs

The Ecobuildings project **BRITA in PuBs** was started in May 2004 to increase the market penetration of innovative and effective retrofit solutions in order to improve energy efficiency and implement renewables with moderate additional costs.

First Results of Demonstration Buildings:

With the completion of the construction work at the last demonstration building, the retrofit of the "Evonymos" ecological library in Athens, all buildings are now in the evaluation phase. The energy performance of the buildings and the specific retrofit measures will be monitored and compared with the estimated energy savings of the project proposal.



Some of the demonstration buildings present already first monitoring results, including the Borgen community centre, the cultural centre Proevhallen and the main building of the university in Vilnius.

	Reference value (before retrofit)	Monitored value (after retrofit)
Proevhallen, Copenhagen: space heating consumption	304 kWh/m ² a	115 kWh/m ² a (2005/2006)
Community Centre Borgen: total energy consumption	280 kWh/m ² a	107 kWh/m ² a (2006/2007)
Main University Building Vilnius: heating energy consumption	108 kWh/m ² a	63 kWh/m ² a (2005)

As main topic the **exemplary retrofit of 8 demonstration public buildings** in the four participating European regions (North, Central, South, East) is realised. By choosing public buildings of different types such as colleges, cultural centres, nursing homes, university buildings and churches etc. for implementing the measures, groups of differing age and social origin can be reached easily. Public buildings can be used as engines to heighten awareness and sensitise society on energy conservation. The technology applications include measures at the building envelope like improved insulation and high-efficient windows, advanced ventilation concepts like hybrid systems, integrated supply technologies like combined heat and power units, energy-efficient lighting and integrated solar application.

Research work packages deal with socio-economic research such as the identification of real project planning needs and financing strategies, retrofit design guidelines, an internet-based knowledge tool on retrofit measures and case studies and a quality control tool-box to secure good long-term performance of the building and the systems. Many of the results are available at the project website.

Exemplary results of the research work: The BRITA in PuBs information tool for decision makers in public administrations and the retrofit design guidelines, both now available on the project website.

Extract from Newsletter, October 2007:

Statements by politicians and decision makers on the importance of the BRITA in PuBs demonstration buildings
For each of the 8 BRITA in PuBs demonstration buildings an influential politician or decision maker has made a statement about the importance of the demonstration building in their own town/country. Check it out on the website!

BRITA in PuBs gives Key Note Lecture at the PALENC Conference

The organisers of the PALENC conference on Crete island, Greece have asked the project coordinators to give a key note lecture on "Ecobuildings" with a focus on the BRITA in PuBs project. Read more about the conference and the paper that was presented here.

Invitation:
BRITA in PuBs invites you to the **2nd Ecobuildings Symposium** in Stuttgart, Germany on 7/8 April 2008.
For more information see project website.

The BRITA in PuBs newsletter gives an overview of the project results and also informs about general issues related to energy efficiency. To view all news please visit the website www.brita-in-pubs.eu.

The third main pillar of the BRITA in PuBs project is **dissemination**. This is divided into two parts, the training of users, facility managers and architectural students, and a section on publishing the research and demonstration work to different target groups.

Demonstration

Germany: Stuttgart



Nursing Home Filderhof

Great Britain: Plymouth



Plymouth College of Further Education

Norway: Asker



Borgen Community Centre

Norway: Hol



Church Hol Commune

Denmark: Copenhagen



Cultural Centre Proevhallen

Greece: Athens



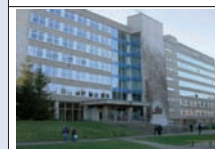
Evonymos Ecological Library

Czech Republic: Brno



Students Social and Cultural Centre "Brewery"

Lithuania: Vilnius



Main Building Vilnius Gediminas University

