Leveraging the GreenBuilding Programme (GBP) to promote energy-efficiency and renewables in non-residential buildings

GREENBUILDINGPLUS

Building owners, product suppliers and service providers have been given the opportunity to be recognised as GreenBuilding Partners or Endorsers for their efforts towards implementing ambitious and cost effective energy saving measures in non-residential buildings. In this project, all partners have received technical assistance and public recognition in the form of publications, Internet information, access to a best practices database, advice on cost-effective measures and the right to use the GreenBuilding logo. The GreenBuilding Programme involves voluntary commitments to reduce energy consumption in buildings by 25%. This scheme, set up in 12 European countries, is now being extended within the GreenBuildingPlus project.

Results

- 52 GreenBuilding Partners from 12 countries have been working on 64 non-residential buildings according to plans put together by 29 GreenBuilding Endorsers from eight countries.
- Average primary energy savings of 33% were recorded in 64 buildings, equating to savings of about 90 000 MWh of primary energy and 22 000 tons of CO2 emissions per year.
- A centralised website was set up in English, offering guidelines and technical modules, best practices and publications.
- A network of National Contact Points was set up in 12 European countries to provide information in the respective national languages.
- The second phase, GreenBuildingPlus, will involve an awards ceremony and bringing on board new partners.

Lesson learned

- Refurbished non-residential buildings still need more publicity in order to act as shining best-practice examples and to stimulate imitation
- There is a high necessity for knowledge transfer in the field of energy efficient construction and refurbishment of non-residential buildings
- GreenBuilding successfully serves as a leverage to raise awareness, provide information, ease decisions, support the realisation and spread the knowledge of successful energy efficiency projects in the non-residential building sector
Partners and coordinator

<table>
<thead>
<tr>
<th>Partners</th>
<th>Location</th>
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<tbody>
<tr>
<td>Deutsche Energie-Agentur GmbH</td>
<td>Germany</td>
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<tr>
<td>Österreichische Energieagentur</td>
<td>Austria</td>
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<tr>
<td>Cenergie cvba</td>
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<td>Energetsiki Institut Hrvoje Pozar</td>
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<td>Berliner EnergieagenturGmbH</td>
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<tr>
<td>Centre for Renewable Energy Sources</td>
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<tr>
<td>Politecnico di Milano - Dipartimento di Energetica</td>
<td>Italy</td>
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<tr>
<td>Agência para a Energia</td>
<td>Portugal</td>
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<tr>
<td>Universitat Rovira i Virgili</td>
<td>Spain</td>
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<tr>
<td>Swedish Property Federation</td>
<td>Sweden</td>
</tr>
</tbody>
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Contact

Deutsche Energie-Agentur GmbH
CHAUSSEESTRASSE 128 A
10115 Berlin
Germany

Contact point

Name: Michael Herr
E-mail: herr@dena.de
Tel: +49 30 72 6165 696

Name: Felicitas Kraus
E-mail: kraus@dena.de

Name: Ms Alexandra Lermen
E-mail: lermen@dena.de
Tel: +49 30 72 61 65 – 633

Name: Jens Altevogt
E-mail: altevogt@dena.de
Tel: 0049 0 30 - 72 61 65 686
Budget

Overall budget: 1.280.708,00 € (EU contribution: 50,00 %)

Key documents

- Project presentation [11]
  PPT 371.5 KB
- Brochure [12]
  PDF 562.93 KB

In brief

Sector: Buildings

Duration: 01/12/2007 to 31/05/2010


Website: http://www.eu-greenbuilding.org

Tags:
  building

Media coverage

- Mario Katalinić: Zeleno gospodarstvo donosi znatne ekonomske i... [13]
  poslovni - 25/12/2014
- Mario Katalinić: Zeleno gospodarstvo donosi znatne ekonomske i društvene koristi [14]
  Večernji list - 19/12/2014

Related projects

- [EPLABEL [15]] A programme to deliver energy certificates for display in public buildings...
- [AVASH [16]] Advanced Ventilation Approaches for Social Housing
- [ENPER EXIST [17]] Applying the EPBD to improve the ENergy PErformance Requirements to...
- [ASIEPI [18]] Assessment and improvement of the EPBD Impact (for new buildings and...
- [BESTFACADE [19]] Best Practice for Double Skin Facades
- [BUILDING ADVENT [20]] Building Advanced Ventilation Technological examples to demonstrate...
- [CEPH [21]] Certified European Passive House Designer
• [CHECK IT OUT] Check and improve the energy performance of schools and disseminate best...
• [DATAMINE] Collecting data from energy certification to monitor performance...
• [COMMONCENSE] Comfort monitoring for CEN Standard EN15251 linked to EPBD
• [CYBER DISPLAY] Communicate Your Buildings Energy Rating
• [CA EPBD II] Concerted Action supporting transposition and implementation of Directive...
• [CONSTRUCTION21] CONSTRUCTION21- A EUROPEAN GREEN BUILDING EXCHANGE
• [CERTuS] Cost Efficient Options and Financing Mechanisms for nearly Zero Energy...
• [AFTER] Cost Optimum and Standard Solutions for Maintenance and Management of the...
• [ROSH] Development and marketing of integrated concepts for energy efficient and...
• [EEBD] Development of an interactive vocational Web training tool for the take-...
• [VENT DISCOURSE] Development of Distance Learning Vocational Training Material for the...
• [EDUCA RUE] Energy Efficiency Paths in Educational Buildings
• [COOLREGION] Energy efficient Cooling in regions of North and Central Europe
• [ECOLISH] Energy Exploitation and Performance Contracting for Low Income and Social...
• [EI-EDUCATION] Energy Intelligent Education for Retrofitting of Social Houses
• [EPI-CREM] Energy Performance Integration in Corporate Public Real Estate Management
• [EPI-SOHO] Energy Performance Integration in Social Housing, a strategic approach for...
• [ENSPLIC BUILDING] Energy Saving through promotion of Life Cycle analysis in Building
• [INTELLIGENT METERING] Energy Savings from Intelligent Metering and Behavioural Change
• [ESAM] Energy Strategic Asset Management in Social Housing Operators in Europe
• [E-TOOL] Energy-toolset for improving the energy performance of existing buildings
• [EDUCATE] Environmental Design in University Curricula and Architectural Training in...
• [EPEE] European fuel Poverty and Energy Efficiency
• [EULEB] European High Quality and Low Energy Architecture
• [ENFORCE] European Network for the Energy Performance Certification of Buildings
• [E-SEAP] European Sustainable Energy Award for Prisons
• [AUDITAC] Field benchmarking and Market development for Audit methods in Air...
• [GREENBUILDING] GREENBUILDING
• [HARMONAC] Harmonizing air-conditioning inspection and audit procedures in the...
• [IMPLEMENT] IMPLEMENT - The EPBD in Action
• [IMPACT] Improving energy Performance Assessments and Certification schemes by Tests
• [ISEES] Improving the Social Dialogue for Energy Efficient Social Housing
• [ILETE] Initiative for Low Energy Training in Europe
• [INOFIN] Innovative Financing of Social Housing Refurbishment in Enlarged Europe
• [CENSE] Leading the CEN standards on energy performance of buildings to practice....
• [LCC-DATA] Life-Cycle-Cost in the Planning Process. Constructing Energy Efficient...
• [ENERGY TROPHY+] Magnify success: Extension of the European Energy Trophy competition to 18...
• [PASSIVE-ON] Marketable Passive Homes for Winter and Summer Comfort
• [IDES-EDU] Master and Post Graduate education and training in multidisciplinary teams...
• [NIRSEPES] New Integrated Renovation Strategy to improve Energy PErformance of Social...
• [NZB2021] NZB2021 ‘Doors Open Days’ – sharing experiences from low energy buildings...
• [FACTOR 4] Programme of actions Factor 4 in existing social housing in Europe
• [COOL ROOFS] Promotion of cool roofs in the EU
• [PEP] Promotion of European Passive Houses
• [NEZER] Promotion of smart and integrated NZEB renovation measures in the European...
• [NORTHPASS] Promotion of the Passive House Concept to the North European Building...
• [RE-CO] Re-Commissioning – Raising Energy Performance in Existing Non-Residential...
• [REPUBLIC_ZEB] Refurbishment of the Public building stock towards nZEB
• [REQUEST2ACTION] Removing barriers to low carbon retrofit by improving access to data and...
• [RESHAPE] Retrofitting Social Housing and Active Preparation for EPBD
• [SAVE@WORK4HOMES] SAVE@Work4Homes - Supporting European Housing Tenants in Optimising...
• [STABLE] Securing The Take-off of Building Energy Certification: Improving Market...
• [KEEPCOOL] Service Buildings Keep Cool: Promotion of "sustainable cooling"...
• [SMART-E BUILDINGS] Smart-e buildings - yes we canEnable the building sector to contribute to...
• [SHARE] Social Housing Action to Reduce Energy Consumption
• [STEP-2-SPORT] STEP-by-STEP renovation towards nearly zero energy SPORT buildings
• [SAVE AGE] Strengthening Energy Efficiency Awareness Among Residential Homes for...
• [SENTRO] Sustainable Energy systems in New buildings- market inTROduction of...
• [SURE-FIT] Sustainable Roof Extension Retrofit for High-Rise Social Housing in Europe
• [TACKOBST] Tackling Obstacles in Social Housing
• [THERMCO] Thermal comfort in buildings with low-energy cooling
• [BUILDING EQ] Tools and methods for linking EPDB and continuous commissioning
• [TOWARDS CLASS A] Towards Class A - Municipal Buildings as Shining Examples
• [TREES] Training for Renovated Energy Efficient Social housing
• [REE_TROFIT] Training on Renewable Energy solutions and energy Efficiency in...
• [KEEP COOL II] Transforming the market from "cooling" to "sustainable...
• [TABULA] Typology Approach for Building Stock Energy Assessment
• [USE EFFICIENCY] Universities and Students for Energy Efficiency

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Links