



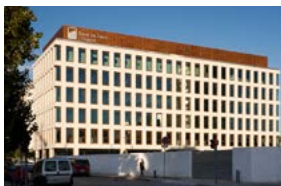
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AIDA NEWSLETTER

In the past 3 years the fundamental aim of the AIDA project was to accelerate the market entry of nearly zero-energy buildings (nZEB) in the partnering countries and in Europe as well. AIDA was to make up for the lack of intense actions to spread knowledge about nZEBs. For this reason the project's primary objective had been and still is today to raise awareness towards nZEBs among local authorities and building planners. To achieve this goal AIDA targeted municipal representatives as market multipliers on the demand side, and architects and master-builders on the supply side are being actively involved.

AIDA offered and through its extensive network of cooperating organisations will offer in the future actions that are tailored to suit each of these primary target groups including study tours, introduction to operational success stories, presentation of existing design tools and methods, active support for municipalities and close cooperation with key actors. In summary: The core objective of AIDA had been a widespread market adoption of nZEB, to reduce energy consumption and carbon emissions, which are important factors to reach the 2020 targets. Please consult this newsletter to identify those organisations and institutions that can provide you with all the necessary input for your nZEB action.

EXCERPT OF STUDY TOUR BUILDINGS AND LOCATIONS



Blood and Tissue Bank of Catalunya
Barcelona (ES)



HLFS Forstwirtschaft
Bruck an der Mur (AT)



CasaSalute's New HQ
Bolzano, (IT)



Criirad passive office building
Valence (FR)



City school in Saint-Cirgues-en-Montagne
(FR)



Retrofitting multi-family house
Kapfenberg (AT)



Naturaliabau
Merano (IT)



OTE/Cosmate Building
Paiania (GR)



Raiffeisen Tower
Vienna (AT)



Municipal Library of Loutraki
(GR)



RCTECH's HQ
Athens (GR)



Regional Environmental Center HQ
Szentendre (HU)



CIEM and CIRCE buildings
Zaragoza (ES)



„Zankhof“ Multi-family house in
Graz-Gösting (AT)



Franziskanerkloster
Graz (AT)



CasaSalute's New HQ
Bolzano (IT)



Student Dormitories "Aliko Perroti"
at the American Farm School
Thessaloniki (GR)



EspaiZero office building
Girona (ES)



Meléndez Valdés and La Llòntia
social housing buildings in Mataró
(ES)



Solar house LOW3 at the ETSAV -
UPC campus
Barcelona (ES)



Oakmeadow Primary School
Wolverhampton (UK)



Chalet 'La Pedevilla',
Marebbe (IT)



Indowoade,
Teodone, Brunico (IT)



New office building of the
Region of Central Macedonia,
Thessaloniki (GR)



EMI Tudásközpont,
Szentendre (HU)



EVENTS ORGANISED BY AIDA PARTNERS

3rd European study tour to Schwartz-Hautmont Office building (Spain)

25th of October 2014, in Vila-Seca, Tarragona

The 3rd European Study Tour in Spain was conducted to the **Schwartz-Hautmont Offices** building, located at the Vila-Seca Industrial state, in Tarragona. The guides on this study tour were the architects Coque Claret and Dani Calatayud, as a responsible of the design and construction works of the building. Amongst other things, they were explained the energetic and constructive futures and showed how the building was designed, built and commissioned. There were over sixty (60) attendees (among others: architects, engineers, energy consultants and professors and students from the Group CREVER - URV University and the Master's degree from the Barcelona Tech University – UPC).

NATIONAL CONTACT POINTS

One of the primary aims of AIDA was from the very beginning to secure sustainability of the action both during the lifetime of the project as well as after the end of the project duration. A clear methodology has been developed, providing the steps to local authorities, master builders and engineers, towards building nZEB. Furthermore the outcomes and results of the project are to be used after the project finishes by relevant local/regional institutions and associations. AIDA's goal was simple: to have some of these organisations adopted AIDA's outcomes and establish a regional, national and international network of contact points for municipalities. These contact points are expected to offer advice on how to reach nearly zero-energy building standard and on integrated energy design for local authorities. For example, the experience of integrated energy design in municipal practice, assistance in creating tenders and useful tools and campaigns could be continuously offered after the project's lifetime.

The national contact points listed by the partner countries:

AUSTRIA:
Energierregion Oststeiermark GmbH (EROM), LandesEnergieverein (LEV) – now Energie Agentur Steiermark GmbH

FRANCE:
In France a webtool for contact points has been developed. This tool allows users to estimate the economic viability of anZEB reno-

vation, and will help building owners to make the commitment to a nZEB renovation. After a presentation at a national get together, a number of the Local Energy Information Centers across France are currently evaluating the tool for future use, in the context of the promotion of nZEB. Try it out: <http://www.ecorenover.org/>
In the Rhône Alpes Région, the Network of Local Energy Information Centers (IERA) will continue the work of promoting nZEB, and organizations already active and present in the nZEB field will continue their work.

GREECE:
Region of Central Macedonia

HUNGARY:
Hungarian Passivehouse Association (MAPASZ),
Hungarian Association of Passivehouse Architects (PAOSZ)

ITALY:
EURAC, Municipality of Merano, TIS innovation Park of Bozen, QubiQ di Tulumello C & C sas

SPAIN:
International Center for Numerical Methods in Engineering (CIMNE)

UK:
Sustainable Scotland Network, Royal Incorporation of Architects in Scotland, BRE [British Research Establishment]

The AIDA project was present in the last edition of WSB14

– Word Sustainable Building in Barcelona

29th of October of 2014

AIDA Final Conference in WSB14 Barcelona:

How to promote Nearly Zero Energy Buildings for new and retrofitting buildings in the municipal context?

This conference session was arranged by CIMNE in collaboration with IREC and established a discussion among energy experts (international and national level) and public authorities on how to promote "nearly" Zero-Energy Buildings in their municipalities.

The session started with an introduction by CIMNE and then different issues were introduced, from several European related projects like SEMANCO, ZEBRA and AIDA itself, as well as some conclusions on Zero-Energy experiences at building level in Norway; new thinking frame of the Zero-energy Communities at building (Norway) and communities level; simulating intervention scenarios for carbon reduction in urban planning and, finally, promoting nZEBs in municipal practice through the Sustainable Energy Action Plans – SEAPs from the Covenant of Majors.



The session was given in English language by four (4) different speakers (Birgit Risholt in behalf Igor Sartori- NTNU, Mat Santamouris - NKUA, Xavier Cipriano and Jose Santos – CIMNE), highlighting the participation of 17 public authorities from Spain that attended the session (included all municipalities involved in different AIDA activities). Many other building professionals like building associations, architects, sustainable architecture experts and universities from other countries (Canada, United States, Chile, Japan, Australia and Germany) also attended.

There was very good number of participants who expressed interest on the issues discussed. Also, this conference was used to encourage authorities towards national contacts of the AIDA project with a commitment in promotion of the "nearly" Zero-Energy Buildings at public and private levels.

In addition a scientific paper (Title: "Evaluation of the energy performance strategies in competition tenders to achieve nearly zero energy buildings: Two case studies in Barcelona and Merano". Authors: Maria Leandra González Matterson, Jaume Salom and Giulia Paoletti) was presented in the session S101: Towards a shared common nZEB definition?, which shown the preliminary results in the implementation of IED (Integrated Energy Design) process in municipal practice.

The presentation, by IREC in collaboration with EURAC, included the most important aspects in two public tenders in Barcelona (IREC) and Merano (EURAC) realized to nZEB target: the nZEB context and objectives, methodology, awarding criteria and conclusions. In the session there were around 35 attendees, including building and technical professionals (Energy Experts, Architects, and Engineers) and universities' researchers from Spain and other countries, among others.

UPCOMING DELIVERABLES AND REPORTS

AIDA will share all its project results and findings on the latest status of the various practices employed by the municipalities at a pan-European scale, but primarily focusing on its partner countries. These information will be available in the form of a number of specific documents which on one hand will be uploaded to a dedicated section on the project's website in multiple languages while at the same time they will be distributed to the national contact points that had been identified and mentioned earlier in this newsletter.

D2.2

Report on study tours

D3.1

Integrated Energy Design (IED) in municipal practice

D3.2

Public buildings tenders for several case studies with the nearly zero-energy target

D4.2

Municipal roadmaps to nZEBs

D5.1

Recommendation Report for establishing contact points for building professionals and municipalities

D6.3

Lessons Learnt for the promotion of IED and nZEB short-report based on the evaluation work and the advisory committee

UPCOMING STUDY TOURS AND EVENTS HOSTED OR ATTENDED BY THE AIDA PARTNERS

National Workshop:

Daylighting, lighting and hybrid control

solutions to nZEB (tertiary sector)

Barcelona (ES)

organised by IREC

12 March 2015 (16:30-19:00 h)

International one-day study tour to visit Vienna's prime nZEBs

organised by Geonardo

19 March 2015

AIDA international study tour to Voralberg

(Austria)

organised by HESPUL

19-21 March 2015

Conference during the Klima

Windows days

Bozen (IT)

27 March 2015 (14.00 h)

Online Energy Modelling

Within the frame of the AIDA project greenspaceLIVE is constantly developing and improving its gEnergy tool, which the latest addition to the gTools software suite offered by the Stornoway-based company. Helping to bridge the gap between architects and engineers, gEnergy is a cloud-based BIM (Building Information Modelling) software platform, which allows the user to accurately predict and apply best practice design into the buildings of tomorrow. For more information on gEnergy please click [here](#) or [here](#).

Check out this short tutorial video demonstrating the features of greenspaceLIVE's gEnergy tool:

<https://www.youtube.com/watch?v=C2dp5tj71BA&feature=youtu.be>

Also as part of AIDA greenspace offers [a simple model generator](#) so designers can make very quick models and start energy analysis at a very early stage in the design process.

All our newsletter subscribers are eligible for a free trial of gEnergy. For details on how to obtain your trial copy of gEnergy please contact greenspaceLIVE's Donald MacSween at donald.macsween@greenspacelive.com

LESSONS LEARNT

One of the most important findings of AIDA is that building professionals and the public in general are genuinely interested in the latest trends and technologies featured during the study tours (more than 60 tours and over 2500 participants). Experience also revealed that decision makers, municipal representatives and mayors (except for a few) have many barriers to overcome in the implementation of nZEB targets and IED process in tenders, including limited knowledge on nZEB, usually due to national and regional nZEB definitions are still missing or diffuse. In this sense, the municipalities are interested in introducing ZEB's objectives in tenders, but they haven't technical knowledge in this topic. Although of this interest, there is not available budget for having an "energy expert" into the team (municipal or design team), so a step further is required to finance this additional cost, taking in account the profitable benefits throughout of service life's buildings. Another important barrier is the financial sources which actually, in many countries, are insufficient for new construction or retrofitting projects (also, that include nZEB targets). These are the most significant obstacles to come over in the near future, without losing focus of Article 9 of the Energy Performance of Buildings Directive (EPBD) on "nearly Zero-Energy Buildings" (nZEB) as a future requirement to be implemented from 2019 onwards for public buildings and from 2021 onwards for all new buildings.

PLEASE REFER TO AND IF POSSIBLE FILL [THIS VERY LAST QUESTIONNAIRE](#) WITHIN AIDA TO PROVIDE OUR CONSORTIUM WITH VALUABLE FEEDBACK ABOUT THE SUCCESS OF OUR EFFORTS PROMOTING NEARLY ZERO ENERGY BUILDINGS. THE SURVEY DOESN'T TAKE LONGER THAN 2 MINUTES TO COMPLETE AND YOUR CONTRIBUTION WOULD BE MUCH APPRECIATED. THANK YOU!

Cooperation with other projects and initiatives



Repowermap



Entranze



Build-up Platform



ManagEnergy portal



Austrian klima:aktiv programme



EnergyCities



SustainCo



Nearly Zero Energy Buildings Open Doors Days

Engaged municipalities

- ES Torroella de Montgri, Gualta, Ordis, Girona, Figueres, Maia de Montcal, Murcia, BIM/SA – Barcelona d' Infraestructures Municipals
- AT Gleisdorf, Gutenstein, Gerersdorf, Hartberg, Hohe Wand, Ober Grafendorf, Weiz
- IT Bolzano, Merano, Brixen
- FR Beaujolais Val de Saone
- GR Maroussi, Farsala, Thessaloniki
- HU Gödöllő, Mórahalom
- UK Wolverhampton City, Western Isles Council, Highland Council



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