



Energy performance of your public buildings: **Towards Class A Project**

Newsletter n°6

DISPLAY-O-METER

Switzerland - European pioneer concerning "standardization" of the energy certificate of buildings

Display TCA Award 2006

Congratulations to: Durham – runner up at the UK's Building Services Awards

**Shining Example – in Egaleo (GR)
Many Hands Make Light Work as Whole School Skips to Low Energy Beat**

First Display® Training session: a success

Foreword

The "Towards Class A" electronic newsletter is intended to keep you posted on the activities and progress of the "Towards Class A - Municipal Buildings as Shining Examples" project (2005-2007). The "Towards Class A" project is co-financed by the European Commission's DG TREN. It is aimed at anticipating and accelerating the implementation of the European "Buildings" Directive through the extension of the European Display™ Campaign.

Energie-Cités - October 2006

DISPLAY-O-METER



Switzerland - European pioneer concerning "standardization" of the energy certificate of buildings

At the request of the federal office of energy (OFEN), the Swiss association of engineers and architects (SIA) set up an "Energy Certificate of Buildings" committee with the purpose of publishing technical specifications on the subject during 2007. The objective of this document is to propose a single methodology for the development of the energy certificate of buildings in Switzerland. During the first three working sessions, numerous debates led to the decision that two methods of calculation, theoretical modelling and operational (real consumptions) will be both described in the technical specification, and consequently they will both be applicable in Switzerland.

In the same way the committee decided that the energy surface reference (defined according to the SIA 416/1 standard) and the consumption of total primary energy will be used as references for the

calculation of energy consumption. Finally, taking the Display® label as a starting point, it was proposed that the CO2 emissions could be displayed on the energy label, in order to promote the use of renewable resources. Thus, the method used to publish the Display® label is currently in conformity with the technical specifications of the SIA (some weighting factor will be modified slightly), a crucial point for all the Swiss communes who already take part in the Campaign! Finally, it must be noted that the Display® Campaign through the work of this committee achieves one of its top priorities: To provide feedback from the real experience gained by municipalities to facilitate the implementation of the national energy certification process!



Display TCA Award 2006

The lucky winner cities for the 2006 TCA Award were recently chosen by the Display® jury. The identity of the winners will be revealed during the BISE Forum in Riga (Latvia), during the gala dinner held on the evening of the 26th of October 2006.

The prizes consist of:

- › **1st Prize** The first winner will be awarded a large electronic display screen which visualises building consumption data and savings in real-time. With this tool the Display® efforts can be presented to the public in a clear, colourful and didactic way. In addition, this screen is personally designed for the winning city and is manufactured by the German company **Messwert GmbH**.
- › **2nd Prize** Thanks to the sponsoring of the Swiss Aqua Art company the second winner city will be able to equip the kitchens and bathrooms with 200 **Aquaclis** water saving devices. These devices not only help save 50% in water consumption, but also ensure that the city's environmental commitment is visible to the public.
- › **3rd Prize** The third winner city will receive a retractable banner stand highlighting the city's specific Display® activities and communication campaign and will be used to promote the city locally and throughout Europe.



Congratulations to: Durham – runner up at the UK's Building Services Awards

The Building Services Awards - the main event in the industries calendar - took place at the Grosvenor House on London's Park Lane on Monday 26th June 2006.

Durham County Council was singled out by the judges for its forward-thinking efforts to improve energy performance. It is the first local authority in Europe to display energy performance certificates in all its buildings, enabling instant comparisons of efficiency. A series of energy awareness seminars were held for staff and elected members to enable them to offer simple advice to building users when visiting sites. The Council has also carried out a number of renewable energy demonstration projects.



Shining Example – in Egaleo (GR) Many Hands Make Light Work as Whole School Skips to Low Energy Beat

Having made a commitment to environmental sustainability, the 9th Primary School in Egaleo has gone on to mainstream the issue by participating in a rich array of related projects:

- › It is a member of Ecological Schools, an advisory resource administered by the Hellenic Society established to help schools protect the environment
- › It collaborates with the Italian NGO Legambiente, in its annual 'Clean up the Mediterranean' campaign
- › The School is participating in the Egaleo Municipality's 'refurbishment of school gardens' pilot project
- › Every year it implements a new environmental project through the Ecological Network of the Aegean University
- › In 2005 the School implemented a water awareness and conservation project called Water: Source of Life
- › Beginning in 2004, the school undertook the initiative Rational Use of Energy and Renewable Energy Sources. The project was implemented in collaboration with the Hellenic Society for the Protection of Nature, who awarded the School with the 'Flag of Ecological Schools'



On the back of such successes, the School joined Display®, and with the support of teachers, parents, and of course the pupils, it set out to achieve the best possible rating for energy consumption primarily by making low-cost, behavioural changes.

In 2005 the School achieved Class A in energy consumption and B in both CO2 emissions and water consumption. Focus on behavioural change led to numerous practices being adopted, including:

- › Children drew small labels reminding pupils and staff to switch off lights in empty rooms, to open curtains and switch off lights on sunny days, and open windows and doors to allow natural ventilation. These were posted on classroom doors around the school.
- › Both the interior and exteriors of the school buildings were painted in light, reflective colours to reduce solar radiation during the summer months.
- › Savings were achieved at low cost, and with financial support from both local and multi-national businesses.



This Shining Example demonstrates that, even when faced with moderately aged buildings, Class A status can be achieved when a great number of people make modest but sustained changes in their behaviour. However, many of the school's successes would not have been possible without the explicit support from key decision makers within the municipality.

Furthermore sponsors are keen to support the school as they are confident of its success: everyone likes a winner. Adopting an approach similar to the one that led to energy savings, this year the new target is to drive water consumption Towards Class A.



First Display® Training session: a success

From the evening of the 19th of September to the afternoon of the 22nd of September 11 representatives from 6 countries participated in the first Display Training® session in Besançon (FR). The main objective of the training session was to train strategic country representatives mostly from new member states to become effective Display® pioneers in their countries.

The training sessions covered the important subjects of the transposition of the building directive in each member state and the technical aspects of the Display® calculation tool. An entire day was spent discussing communication aspects with a study tour (on bicycle) organised by Stéphanie Petit, the Display® coordinator in the city of Lausanne (CH).



On the final day two of the Display® sponsors, Philips Lighting and Isover presented their companies approaches to energy saving measures through retrofitting. EnEffect, core consortium partner, made the most of the occasion to introduce the Towards 'Class A' help centre that is currently being developed.

Throughout the training session there was a high level of participation and we hope that in the coming months there will be more cities from France, Slovakia, Czech Republic, Poland, Bulgaria and Hungary

joining Display® thanks to the passionate work of these Display® 'ambassadors'.

Programme and presentations

Official Partner



Co-financed by the European Commission's DG TREN
 The sole responsibility for the content of this newsletter lies with the authors. It does not represent the opinion of the Community. The European Commission is not responsible for any use that may be made of the information contained therein.