

Adaptation of EN 15603, EN 13790 and related EU standards for defining a national calculation methodology for energy performance of buildings in Turkey – the problems encountered so far

Invitation for workshop organised by EVD Energy Management
August 15, 2009, ITU Faculty of Architecture, Istanbul

Context:

The most comprehensive legislation in Turkey on energy performance in buildings, in parallel with EPBD (Energy Performance of Buildings Directive), was released by Ministry of Public Works and Settlement in December 2008. According to the legislation, the national calculation methodology and software tool is to be published in December 2009.

EVD Energy Management, being one of the oldest and most experienced ESCOs in Turkey, is currently working on the national calculation methodology and software with the official approval of Ministry of Public Works and Settlement. A strong academic team consisting of professors from different universities is assisting EVD.

EVD kindly invites academicians, energy experts, software developers interested in, worked on or still working on the subject.

Goals:

What we expect from this workshop is:

- to **exchange** ideas,
- to **share** experience,
- to **discuss** common problems and local solutions.

Draft agenda

The workshop will focus on two subjects: Calculation methodology (as specific topics, in sessions 1-4, as open discussion sessions) and software tools (in session 5, as presentations and discussion sessions)

09:30 Opening

Prof. Dr. Zerrin Yilmaz

Istanbul Technical University (Istanbul), Faculty of Architecture, Building Science Division

09:45 Session 1: Overall energy use - the importance of technical building systems (EN 15603, EN 15316 series)

Moderator: Johann Zirngibl, Convenor ISO TC 205/WG9, CEN TC 228/WG4, member of IEE - CENSE project, CSTB Paris

Comments and discussions

10:45 Session 2: Modelling heat transmission and solar heat gains

Moderator: Prof. Dr. Zerrin Yılmaz

Istanbul Technical University (Istanbul), Faculty of Architecture, Building Science Division

Comments and discussions

11:45 Session 3: Processing meteorological data

Moderator: Prof. Dr. İsmail Ekmekçi

Marmara University (Istanbul), Faculty of Engineering, Mechanical Engineering, Energy Division

Comments and discussions

12:45 Lunch

13:45 Session 4: Calculation of cooling loads

Moderator: Prof. Dr. Birol Kılıç

Başkent University (Ankara), Faculty of Engineering, Mechanical Engineering Division

Comments and discussions

14:45 Session 5: Application of EN 15193 (Energy requirements for lighting) for Turkey

Moderator: Ass. Prof. Dr. Alpin Köknel Yener

Istanbul Technical University (Istanbul), Faculty of Architecture, Building Science Division

Comments and discussions

15:45 Coffee break

16:00 Session 6: Software tools

(Presentations from software developers. Final program will be announced when the registrations are completed.)

Participation:

Participation is free of charge. Due to limited seats, please inform us for your participation.

We are expecting the applicants to be relevant to or actively involved in the subject. If you wish to make a presentation please inform us as soon as possible so that we can make a room for you in the program.

For RSVP and presentations, please contact us at bilge.kobas@evd.com.tr.

This workshop is supported by Ministry of Public Works and Settlement, General Directorate of Constructive Affairs; Istanbul Technical University and Marmara University. Also CENSE project members are supporting this workshop. The aim of the project IEE-CENSE (October 2007 - March 2010) is to increase the awareness and effective use of the European (CEN) standards related to the EPBD.

