

BSE Public CPD Lecture – European Way to Energy Efficient Buildings on 24 August 2010

Organized by Prof. S.W. Wang, Chair Professor of the Department of Building Services Engineering, a public CPD lecture delivered by Professor Karel Kabele on *European Way to Energy Efficient Buildings* was held on 24 August 2010 (Tuesday). Over 160 participants attended this CPD lecture.



[Powerpoint file of the CPD lecture](#)

Professor Kabele is currently a Professor and Head of Department of the Microenvironment and Building Services Engineering at the Czech Technical University, Prague. His research works focus on intelligent building energy systems, interaction of energy systems with the building, modeling and simulation of energy and environmental building performance and energy auditing.

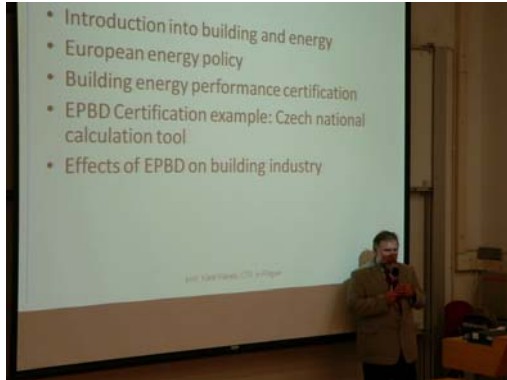


Introducing the speaker by Professor Wang



CPD lecture by Professor Kabele

Reduction of energy use in buildings is the objective that the European community has already set at the beginning of this millennium in the framework of Energy Performance of Buildings Directive (EPBD 91/2002). A Directive recast (2010/31/EU) was issued in 2010, modifying from the original EPBD from 2002 and defining new means of improving the energy performance of buildings – including building energy performance certification and the concept of “building with almost zero energy consumption”, which should be implemented on all new buildings latest in 2020.



Introducing lecture outline



Participants of the CPD lecture

In the lecture, Professor Kabele gave an overview of the European approach to energy efficient buildings. The presentation outlined new requirements to the building materials, technologies and concepts related to nearly zero energy buildings. Impacts of these new requirements to the building industry were also discussed. The speaker also presented a number of examples on technologies and building concepts used in low energy houses in Central Europe.