


Event:
Date:
Place:

ENERGY in BUILDINGS 2016
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#	<p>Leonidas Kontos Electrical and Computer Engineer NTUA, MSc in Energy Heriot-Watt University of Edinburgh</p>	
Title:	Electrical and Computer Engineer (Self-Employed)	
Presentation title:	Evaluation of Energy Efficiency Measures in Tertiary Sector Buildings	
<p>Buildings in EU take up a major portion of energy use with up to 40% of the total consumed. Acknowledging this, the European commission voted into law a new directive (Directive 2010/31/EU) in June 2010, with one of its main targets was to increase energy efficiency by 20% and reduce carbon emissions by the same percentage. Since Greece's economic growth is stunted due to the recent crisis, making new building projects rather difficult to construct, renewed interest appears in retrofitting existing buildings to make them more efficient in their energy usage. This project attempts to study the impact of typical energy efficiency measures in buildings and structures used in the tertiary sector.</p> <p>Analysis is performed by using TEE-KENAK, a software program developed by the Technical Chamber of Greece to analyze the energy efficiency of buildings. Using the results from this software, quantitative differences will be examined between different common energy efficiency measures (building shell insulation, windows replacement, lighting etc.) applied to a building in Greece, with an economic analysis of the results based on current market costs for materials and installation.</p> <p>Keywords— energy efficiency measures, buildings, tertiary sector, insulation, KENAK</p>		
CV:	<p>Graduated from School of Electrical and Computer Engineering in 2014, I went on to complete my Masters Programme of Energy Technology which was jointly organized by Heriot-Watt University of Edinburgh and Technological Educational Institute of Athens in 2016. After a short stint as an electrician under the employ of Municipality of Aspropirgos, I currently am self-employed as an electrical and computer engineer.</p>	