

Event:

ENERGY in BUILDINGS – Northern Hellas 2025


Date:

Saturday February 22, 2025

Place:

Thessaloniki, Macedonia - Hellas



#	Polyxeni Kagiopoulou Architect Engineer, Aristotle University of Thessaloniki	
Title:	Architect Engineer, AUTH, Thessaloniki, Greece	
email:	xeniakagiopoulou@gmail.com	•
Presentation title:	Environmental Certification of Buildings in Greece: Recording, Analysis of Qualifications and Examples	
<p>In recent years, the concepts of energy and energy efficiency have played a significant role in the decisions of countries worldwide, aiming to reduce energy consumption, especially after the Energy Crisis observed intensely in the 1970s, but also recently with the financial crisis and the upcoming climate change. Given this data, there is a pressing need for energy conservation in all feasible sectors.</p> <p>The building sector, and the built environment in general, constitute an industry that consumes excessive amounts of energy and is responsible for 40% of global CO2 emissions. Therefore, the attention of most countries, including Greece, has been strongly directed, in recent years, towards the building sector and specifically towards the energy upgrading of buildings. The goal is to minimize energy consumption and create environmentally friendly spaces that promote both environmental sustainability and human well-being.</p> <p>Renewable energy sources play a decisive role in envisioning new energy alternatives for the design of new and existing buildings, as well as in the broader field of architecture. For a building to be considered environmentally friendly, it should cover a significant portion of its energy needs through thoughtful design and construction and at the same time serve the principles of environmental planning.</p> <p>The European Union, in order to lay the groundwork for improving energy efficiency, has outlined measures, goals, and policies for governments. Additionally, it has set targets for countries to achieve sustainable development by 2030, focusing on the building sector's potential and natural resources.</p> <p>Internationally, assessment systems have been created and developed, providing buildings with environmental certification based on their overall environmental impact beyond just their energy efficiency. Such certified buildings are also observed in Greece, especially in recent years, as the energy crisis has surpassed all previous levels.</p> <p>As a result, some examples of exceptional Greek buildings have emerged, following the requirements of environmental certifications. They have successfully achieved the values of sustainable development and improved the country's energy situation through their construction.</p>		

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Short CV GREEK:	
<p>Καγιοπούλου Πολυξένη, Αρχιτέκτων Μηχανικός, Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης, με ιδιαίτερο ενδιαφέρον στις περιβαλλοντικές πιστοποιήσεις των κτιρίων και στην ενεργειακή αναβάθμιση υφιστάμενων κτιρίων. Καλή γνώση αγγλικών και γερμανικών καθώς και πολύ καλή γνώση των προγραμμάτων Autocad, Archicad, 3ds max, Photoshop. Συνεργάτης σε γραφείο μελετών και κατασκευών interior design της Θεσσαλονίκης.</p>	
Short CV EN:	
<p>Kagiopoulou Polyxeni, Architect Engineer, Aristotle University of Thessaloniki, with particular interest in the environmental certifications of buildings and in the energy upgrading of existing buildings. Good knowledge of English and German and very good knowledge of Autocad, Archicad, 3ds max and Photoshop programs. Partner in an interior design and construction office in Thessaloniki.</p>	
CV:	
<p>Kagiopoulou Polyxeni 20/10/1999 Thessaloniki, Greece 6972751676, xeniakagiopoulou@gmail.com Architect Engineer, Aristotle University of Thessaloniki Partner in an interior design and construction office in Thessaloniki from 2020 Voluntary participation in "Open House Thessaloniki" 2019, 2020, 2021 Languages: Greek, English, German Knowledge: MS OFFICE (Word, Excel, Power Point), Autocad, Archicad, 3ds max, Photoshop</p>	