


Event:
Date:
Place:

ENERGY in BUILDINGS 2024
November 22-23, 2024
Athens, Hellas



#	Katsouli Georgia Civil Engineer at Hellenic Air Force	
Title:	School of Applied Arts, Hellenic Open University, Patras, Greece	
Requirements:		•
Presentation title:	THERMAL BRIDGES Assessment of Linear Thermal Bridges at Different Positions of the Building Envelope Using THERM Software	
<p>This study focuses on reducing energy consumption of buildings by optimizing the building envelope configuration. Specifically, examines and evaluates linear thermal bridges that are developed at roof-to-wall connections, as thermal bridges at these points can significantly raise the building's actual energy consumption and reduce occupant comfort. Calculations are performed using THERM software for various scenarios, in which the position of thermal insulation in the structural elements is modified. The objective is to quantify thermal losses along each thermal bridge according to different building envelope configurations and to assess the impact of insulation placement on thermal flows.</p>		
Short CV:		
<p>Georgia Katsouli is an Installation Engineer at the Hellenic Air Force Academy, specializing in infrastructure project studies and supervision. She graduated from the Academy in 2006 and has extensive experience in facility renovations and energy management. Since 2023, she serves as the Energy Manager at the 111 Combat Wing in Almyros, Magnesia.</p>		
CV:		
<p>Georgia Katsouli Installation Engineer, Hellenic Air Force</p> <p>Contact Information: - Phone: +30 6983507942 - Email: std529873@ac.eap.gr</p> <p>Professional Experience: - 2023 – 2024: Energy Manager, 111 Combat Wing, Almyros, Magnesia Responsible for overseeing energy management initiatives, optimizing energy efficiency measures, and implementing energy-saving strategies across the Wing's infrastructure. - 2017 - 2023: Engineer, Installation Division, 111 Combat Wing*</p>		

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Supervised maintenance and renovation projects for building infrastructure, conducted project studies and designs, and managed large-scale projects in accordance with military specifications.

-2012 - 2017: Maintenance Engineer, 111 Combat Wing

Focused on structural and facility maintenance, including renovations of aging infrastructure. Provided technical oversight for various building projects and facilitated compliance with energy efficiency standards.

- 2008 - 2012: Engineer, 116 Combat Wing, Patras

Engaged in project management, design studies, and the supervision of building projects within the installation. Key responsibilities included infrastructure renovations and upgrades to outdated facilities.

- 2006 - 2008:

Completed specialization in "Underwater Missions" and served in roles involving technical installations within the military context.

Education:

- Hellenic Air Force Academy,

Degree in Aeronautical Science and Engineering, specializing in Civil Engineering, graduated with honors (2006).

Skills and Certifications:

- Extensive experience in infrastructure design, supervision, and energy management.

- Strong proficiency in project management and renovation of military facilities.

- Advanced computer literacy and expertise in various engineering and energy modeling software.

- Fluent in English with proficiency certifications.

Key Achievements:

- Successfully led energy efficiency initiatives, reducing energy consumption in large installations.

- Implemented multiple renovation projects to modernize and enhance military facility efficiency and sustainability.

Professional Interests:

Focuses on energy efficiency measures, sustainable building practices, and effective project management within complex installations.