

Event:

## ENERGY in BUILDINGS - EPIRUS 2025


Date:

Saturday May 31, 2025

Place:

Hotel Du Lac, Ioannina



#	<b>Konstantinos Simos</b> Mechanical Engineer, Project Manager	
Title:	Senior M.E.P. Project Manager at DIMAND Real Estate Development S.A., Athens, Greece	
email:	ksimos@dimand.gr	•
Presentation title:	<b>Presentation of Piraeus Tower Project Case Study</b>	
<b>Piraeus Tower: A New Landmark in Sustainable Urban Development</b> The Piraeus Tower, Greece's second tallest building and its first certified high-rise, has achieved LEED Platinum status—marking the highest level of sustainability under the global LEED (Leadership in Energy and Environmental Design) framework. Located in the heart of one of Europe's largest passenger ports, it symbolizes the gateway to the revitalized Athenian Riviera. Standing 88 meters tall with 22 floors and a total built-up area of 34,623 square meters, the tower hosts a mix of offices, retail spaces, a gym, wellness facilities, and food & beverage venues. Its contemporary design not only contributes to the city's skyline but integrates key environmental strategies to minimize its carbon footprint and energy consumption. A defining feature of the building is its innovative facade. Based on detailed solar analysis, a system of vertical and horizontal louvers reduces solar gain by 45%, significantly lowering energy demand. This architectural element embodies the tower's commitment to energy efficiency and thermal comfort. Further advancing its green profile, Piraeus Tower is also on track to receive WELL certification, reflecting a holistic focus on occupant health and well-being. Both embodied and operational carbon have been critically assessed and reduced, supporting climate goals and sustainable urban growth. Through advanced technologies and a forward-thinking design philosophy, the Piraeus Tower sets a new benchmark for sustainable development in Greece. Every square meter reflects a commitment to environmental stewardship, user well-being, and the continuous improvement of quality of life—today and for future generations.		
Short CV GREEK:		
Ο Κωνσταντίνος Σίμος είναι Μηχανολόγος Μηχανικός και Senior Manager Η/Μ Έργων στην εταιρεία DIMAND Α.Ε., με περισσότερα από 24 χρόνια εμπειρίας σε μεγάλη γκάμα κτιριακών έργων, υποδομών και ενέργειας στην Ελλάδα και τη Μέση Ανατολή. Είναι εγκεκριμένος ενεργειακός επιθεωρητής και ενεργειακός ελεγκτής, μέλος της ASHRAE, του NFPA, της ASME, του TEE και ειδικεύεται στον σχεδιασμό, την επίβλεψη και διαχείριση Ηλεκτρομηχανολογικών κτιριακών εγκαταστάσεων, ενώ κατέχει πιστοποιήσεις PMP, LEED v4 και ενεργειακής απόδοσης.		

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Short CV EN:

Konstantinos Simos is a Mechanical Engineer and MEP Project Manager at DIMAND SA, with over 24 years of experience in a wide range of building, infrastructure, and energy projects in Greece and the Middle East. He is a certified energy inspector and auditor, a member of ASHRAE, NFPA, ASME, and the Technical Chamber of Greece (TEE). He specializes in the design, supervision, and management of electromechanical building systems, and holds certifications in PMP, LEED v4, and renewable energy efficiency.

CV:

### **Konstantinos G. Simos** **Senior Mechanical Engineer | MEP Project Manager**

Konstantinos Simos is a Senior Mechanical Engineer and MEP Project Manager with over 24 years of extensive experience in the fields of mechanical, electrical, and plumbing (MEP) engineering, design, supervision, and project management. His career spans a wide variety of sectors including infrastructure, hospitality, commercial, residential, industrial facilities, healthcare, retail, and renewable energy projects across Greece and the Middle East, particularly in Qatar.

He currently holds the position of Senior MEP Project Manager at DIMAND S.A., where he is managing several landmark development projects in Greece such as One&Only Aesthesis Resort in Glyfada, PPC (Public Power Corporation S.A.) Headquarters in Mesogeion Ave. Regeneration of former FIX Brewery area in Thessaloniki etc.

Previously, he served in various senior engineering roles with SALFO & Associates S.A. in Qatar, contributing to major developments such as the Place Vendome Mall in Lusail, Education City Stadium for the FIFA World Cup Qatar 2022, and public infrastructure projects under ASHGHAL. Furthermore, he served for 16 years collaboration with TEMEK S.A. in various engineering projects.

Konstantinos holds a Bachelor of Science degree in Mechanical Engineering and Industrial Design from the Technological Educational Institute of West Macedonia. He is a certified PMP (Project Management Professional), LEED v4 Green Associate, and registered Energy Inspector and Auditor in Greece. He is also a member of multiple professional organizations, including ASHRAE (Hellenic and Oryx-Qatar Chapters), NFPA, ASME, the Technical Chamber of Greece (TEE), and the Hellenic Environmental Inspectorate.

His core expertise includes MEP design development, value engineering, procurement, construction supervision, commissioning, energy performance analysis, and sustainable design building systems. He is well-versed in local and international standards such as ASHRAE, NFPA, QCS, KENAK, ISO 9001/14001, and British Standards. He has hands-on proficiency in software tools including AutoCAD, Revit MEP, HAP, Bentley, 4M and PVsyst.

In addition to his professional roles, Konstantinos has participated in numerous seminars and technical workshops related to HVAC design, green building practices, building management systems, and renewable energy integration.

With a reputation for excellence in project delivery, technical leadership, and collaborative team management, Konstantinos Simos continues to contribute significantly to the advancement of high-performance building systems and sustainable engineering practices in the region.