

Event:
Date:
Place:

ENERGY in BUILDINGS – Crete 2026
Saturday Feb 14, 2026
Heraklion, Crete



#	Datseris Nikolaos	
Title:	Mechanical Engineer MBA	
email:	n.datseris@mechanicalsolutions.gr	•
Presentati on title:	Efficient Swimming Pool Solutions	
Short CV GREEK:	<p>Ο Νικόλαος Δατσέρης είναι Μηχανολόγος Μηχανικός, κάτοχος μεταπτυχιακού τίτλου στη Διοίκηση Επιχειρήσεων (MBA) και ιδρυτής της εταιρείας Mechanical Solutions. Διαθέτει μακρόχρονη επαγγελματική εμπειρία στον σχεδιασμό και την υλοποίηση έργων ενεργειακής αναβάθμισης κτιρίων, με ιδιαίτερη έμφαση σε ιδιωτικά έργα του ξενοδοχειακού τομέα. Από το 2000 δραστηριοποιείται στον σχεδιασμό συστημάτων γεωθερμικού κλιματισμού, ισχύος από 40 έως 2.000 kW, ενώ παράλληλα εξειδικεύεται στον σχεδιασμό και την εφαρμογή συστημάτων κτιριακών αυτοματισμών.</p>	
CV:	<p>Nikos Datseris, M.E. MBA Mechanical Engineer Founder & Managing Director – Mechanical Solutions ASHRAE Member <u>Professional Profile</u> Mechanical Engineer with more than 25 years of professional experience in HVAC, energy systems, and large-scale building installations. Founder and Managing Director of Mechanical Solutions, specializing in hotel and resort HVAC systems, seawater geothermal applications, solar thermal systems, and energy-efficient building solutions. <u>Education</u> MBA (2005–2007) Bachelor Degree Technological Educational Institute of Crete – Department of Mechanical Engineering (1991–1994) Languages Greek, English <u>Professional Experience</u> 2007 – Present: Founder & Managing Director, Mechanical Solutions 2005 – 2007: General Manager, Kolomvakis S.A. 2000 – 2005: Technical Manager, Kolomvakis S.A. 1998 – 1999: Project Engineer, Kolomvakis S.A. 1996: Consultant Engineer, Garifalakis Technical Office 1995: Assistant Engineer, Garifalakis Technical Office</p>	

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Keynote Lectures & Presentations

2014: Energy Saving in Hotels – Seminar for Hotel Directors

2012: Design & Installation of Seawater Air-Conditioning Systems – Regional Energy Agency of Crete

2005: HVAC Design for Large Hotels (1.4 MW) – CARRIER Annual Conference, Istanbul

Areas of Expertise

- HVAC system design & installation
- Seawater geothermal systems
- Solar thermal systems for DHW
- Energy recovery & energy efficiency in hotels
- Large-scale hospitality projects

Professional Memberships

- ASHRAE – American Society of Heating, Refrigerating and Air-Conditioning Engineers
- EETEM – Professional Scientific Union of Technological Engineers of Greece

Reference Projects

HVAC Projects

- Elounda Marmin Hotel (300-beds)-Elounda Crete
- Oglivi-Bolt and Luxotica Headquarters office building.- Athens
- High beach hotel (500-beds)-Malia Crete
- Hotel Grand Serai (600 beds) Ioannina
- Hotel Galini (600 beds) Kamena Vourla
- Matala Valley (350-beds)-Matala Crete
- Hotel Doryssa Bay (800 beds) Samos
- Hotel Porto Veneziano (150-beds)-Chania Crete
- Hotel Arminda (500-beds)-Heraklion Crete
- Hotel “Meropi de Lux” (400 beds) Malia Crete
- Hotel “Gouves Park” (550 beds) Heraklion Crete
- Conference Room Of Chamber of Commerce Lasithi Crete
- Hotel Doryssa Bay (800 beds) Samos
- Commercial building 2500m² ALEX PACK Heraklion Crete
- Hotel Hydramis Palas (650 beds)-Chania Crete
- Hotel “Gouves Park” (550 beds) Heraklion Crete
- Institute of research and technology of Crete
- “Water City” water park Anopolis Heraklion Crete
- Commercial building “SPRIDER” Heraklion Crete

Geothermal Projects

- Blue Domes Hotel (1100 beds 1,8MW) Kos
- Malia Beach Hotel (700 beds 550KW) Malia Crete
- Hotel Doryssa Bay&village (900 beds 1,4MW) Samos
- Hotel Meropi De Lux (300 beds 350KW) Malia Crete
- Blue Marine Hotel (500 beds 550KW) Lasithi Crete
- Hotel Meropi Aparts (200 beds 200KW) Malia Crete
- Hotel Porto Veneziano (250 beds 280KW) Chania Crete

Interests

Volunteering and community engagement, environmental protection and sustainability, nature appreciation, and outdoor excursions.