


Event:  
Date:  
Place:

**ENERGY in BUILDINGS - CRETE 2024**  
Saturday April 20, 2024  
Heraklion, Crete



<b>#</b>	<b>Stelios Lampadakis</b>													
Title:	Mechanical Engineer BSc													
email:	<a href="mailto:lampadakis@finelivingproject.gr">lampadakis@finelivingproject.gr</a>	•												
Presentation title:	<b>INTRODUCTION TO ASHRAE STANDARD 55</b>													
Short CV:														
<p>Stelios Lampadakis is a Mechanical Engineer. He has worked in the construction sector in various roles including Design Engineer, Project Manager and Site Manager. At the same time, he has been a scientific associate of the National Technical University of Athens and has participated in international research programs of the European Union.</p> <p>He is Head-Engineer at Mechanical Solutions and Consulting Engineer. It specializes in the design of air conditioning applications using RES and HVAC systems in general.</p>														
CV:														
<p>Born in Nicosia Cyprus in 1976 Graduated from National Technological Institute of Crete in 2000, BA degree ME</p> <p><b>Ever since :</b></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%; vertical-align: top;">2002 – 2007</td> <td style="vertical-align: top;">Various Positions in commercial and design applications (company name: KOLOMVAKIS S.A. , Master dealer of Carrier UTC)</td> </tr> <tr> <td style="vertical-align: top;">2007 - today</td> <td style="vertical-align: top;">HVAC Mechanical Engineer - Consultant</td> </tr> <tr> <td style="vertical-align: top;">2007-2009</td> <td style="vertical-align: top;">Project application engineer in commercial and design applications (company name: MECHANICAL SOLUTIONS)</td> </tr> <tr> <td style="vertical-align: top;">2009 - 2014</td> <td style="vertical-align: top;">Various Positions in commercial and design applications (company name: KOKOTAS Ltd. Master dealer of Mitsubishi Electric)</td> </tr> <tr> <td style="vertical-align: top;">2014 - 2015</td> <td style="vertical-align: top;">Consultant Scientific Partner in numerous researches for National Technical University of Athens (NTUA), School of Mining &amp; Metallurgical Engineering</td> </tr> <tr> <td style="vertical-align: top;">2015 - today</td> <td style="vertical-align: top;">Department head in commercial and design applications (company name: MECHANICAL SOLUTIONS)</td> </tr> </table>			2002 – 2007	Various Positions in commercial and design applications (company name: KOLOMVAKIS S.A. , Master dealer of Carrier UTC)	2007 - today	HVAC Mechanical Engineer - Consultant	2007-2009	Project application engineer in commercial and design applications (company name: MECHANICAL SOLUTIONS)	2009 - 2014	Various Positions in commercial and design applications (company name: KOKOTAS Ltd. Master dealer of Mitsubishi Electric)	2014 - 2015	Consultant Scientific Partner in numerous researches for National Technical University of Athens (NTUA), School of Mining & Metallurgical Engineering	2015 - today	Department head in commercial and design applications (company name: MECHANICAL SOLUTIONS)
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### Area of expertise :

- Indoor air quality
- Energy saving
- Geothermal Energy
- HVAC Design

### Reference Projects:

2002 – 2003	2 <sup>nd</sup> Engineer, design and hydraulic calculations in HVAC project. One of the first geothermal projects in Greece with the usage of sea water of that scale (550 kW)
2003 - 2004	2 <sup>nd</sup> Engineer, design, hydraulic calculations duct design, heating-cooling load calculations. In the year of completion, it was the largest geothermal project with usage of sea water (1,2 MW) in any HVAC project in Greece.
2006	1 <sup>st</sup> Engineer, In the year of completion, it was the largest geothermal project with usage of sea water (130 kW) exclusively for HACCP needs.
2007	1 <sup>st</sup> Engineer, Challenging project of daily production of 30.000lt of hot water with usage of solar thermal panels approximately 600 sq.m in an extended area.
2010 - 2011	Design Engineer of HVAC systems. Landmark project of the NTUA.
2012 – 2014	Senior Engineer Project Consultant, EU - FP7 RETROKITEU - FP7 RETROKIT, Systemic Approach for retrofitting existing buildings, including envelope upgrading, high performance lighting systems, energy-efficient HVAC systems and renewable energy generation systems.
2017 - 2018	1 <sup>st</sup> Engineer, In a Landmark Stadium of Greece design of heated swimming pool and sports area in an extremely limited space. Temperature and humidity control, heat recovery and innovative swimming pool heating led to outstanding energy performance.