


Event:

	<p>HEALTH in BUILDINGS HYGEIA 2026 <i>where the medical & engineering professions collaborate & innovate</i></p>	
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May 27-29, 2026 - Island of KOS, Greece

#	<p>George Gartzounis Eur Ing CEng MSc Mechanical Engineer</p>	
Title:	Senior Consultant for the Built Environment, Dektis Consultant Engineers S.A., Athens, Greece	
email:	ggartzounis@gmail.com	
Presentation title:	<p>Healthcare, No Typical Design: Correcting Engineering Failures, Mistakes and Bad Practice through ASHRAE Standards and Resilient Governance.</p>	
<p>Healthcare buildings should not be approached as routine technical projects. Their HVAC and MEP systems play a direct role in infection control, patient safety, continuity of clinical services, energy performance, and resilience.</p> <p>This presentation explores documented poor practices in hospitals, clinics, laboratories, and other healthcare environments. These include unstable pressure relationships, inadequate operating room ventilation, humidity problems, exhaust re-entrainment, poor filtration maintenance, weak laboratory containment, Legionella risks, and energy-saving control strategies that may compromise safety. Intended for both doctors and engineers, because safe healthcare environments depend on shared understanding, institutional coordination, commissioning evidence, operational discipline, and legislation that supports quality.</p> <p>Each issue examined is linked to relevant ASHRAE standards, handbooks, guidelines, and/or technical committee knowledge, emphasizing that design intent must be translated into verified performance.</p> <p>The presented goal is to move beyond minimum compliance and fragmented design toward healthcare facilities that are holistic, sustainable, resilient, and capable of protecting people, resources, and critical medical services.</p>		
Short CV:	<p>Chartered Mechanical Engineer (Eur Ing, CEng, MSc) with 20+ years of experience in building services design and built environment consulting. Currently Senior Consultant at Dektis Consultant Engineers S.A., Athens.</p> <p>Specializes in HVAC, MEP, FLS, Sustainable Design, Energy Efficiency and Resilient building systems. Takes design to next day demand with, BIM, Digital Twins and AI applicable practices.</p> <p>Certified Data Centre Professional (TIA 942 / EPI), Smart City Planner with various industry achievements such as PM and Mini MBA Certifications for business development.</p>	

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CV:

George Gartzounis (Γιώργος Γαρτζούνης) is a Chartered Mechanical Engineer (Eur Ing, CEng, MSc) with over 20 years of progressive experience in building services design, MEP/HVAC engineering, project management, business development and strategic consulting in the built environment.

He holds an MSc in Energy Systems and Environment from the University of Strathclyde, Glasgow, and a BEng (Hons) in Mechanical Engineering from the University of Glasgow.

Currently serving as Senior Consultant for the Built Environment at Dektis Consultant Engineers S.A. in Athens, he provides technical advisory services to clients across mission critical, commercial, healthcare and infrastructure sectors. His work focuses on translating building performance goals, sustainability targets and ESG criteria into practical, code-compliant design strategies — covering BIM-enabled MEP coordination, ASHRAE standards alignment, indoor environmental quality and resilience planning.

During his 20-year tenure as Senior Design Engineer at several Consulting Engineers Firms, he led complex programs across airports, hotels, offices, data centers, marinas and high-end residential buildings in Greece and internationally. George holds certifications as a Certified Data Centre Professional (TIA 942 / EPI), Smart City Planner and Mini MBA, alongside specialist training in Mission Critical Facilities and High-Pressure Water Mist systems. He is an active member of ASHRAE, REHVA, Engineers Europe (Eur Ing, CEng), IBPSA Scotland, BuildingSmart Greece, the Sustainable Building Council of Greece and the Technical Chamber of Greece (TEE) as a Chartered Engineer.