


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>Avraham Menashe M.Sc. B.Sc. Agricultural and Mechanical Engineer HVAC and Energy</p>	
Title:	<p>CEO at A.M. International Consulting Engineers Ltd 3 Hayozma street Carmelim Building, Tirat Hacarmel, Israel</p>	
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Presentation title:	<p>Cytotoxic Pharmacy Design Challenges</p>	
<p>The design of cytotoxic pharmacies presents a unique set of challenges, particularly in the context of rapidly evolving oncology treatments and increasingly stringent regulatory requirements. The integration of personalized medicine and targeted therapeutics, such as antibody-drug conjugates, has significantly expanded the range and complexity of cytotoxic compounds handled in hospital pharmacies. This evolution necessitates a re-evaluation of traditional design paradigms to ensure both patient and staff safety, while maintaining compliance with Good Manufacturing Practice (GMP) and Quality Risk Management (QRM) principles.</p> <p>Key design considerations include the implementation of advanced isolator technologies to maintain aseptic conditions and prevent cross-contamination, especially as the spectrum of hazardous drugs broadens beyond traditional cytotoxic. The increasing workload in technical services departments further underscores the need for scalable, flexible infrastructure that can accommodate higher throughput without compromising safety or efficiency.</p>		
Short CV:		

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CV:

Innovation and Desig. * Concept to Construction *Testing and Commissioning

A.M. International Consulting Engineers Ltd was founded in the year 1980 by Eng, Abraham Menashe. The Company offers engineering consulting, design, development, and supervisory services for mechanical systems for Mission Critical Data Centers, Vehicles and train Tunnel ventilation, underground train stations and Metro, Hotels, Public buildings, Shopping Centers, Hospitals, Office Buildings, Universities Campuses, Bio food, Biomed microelectronic industries, clean rooms, Industrial Projects, Industrial Parks, as well as agricultural projects. In the field of renewable energies, we propose services for Power Station, Gas and Oil industries, Energy Systems, Waste Recircling plants Heat Recovery and combined Cycles, Green and sustainability technologies as well as decarbonization and the implementation of new refrigerants with Ultra-low GWP.

A.M.I consultant engineers are:

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Israeli ministry of Agriculture Consultant

Israeli ministry of health authorized supplier

ASHREA membership 8237495, Vice President of ASHRAE Israeli Chapter

Member of Israel's Society of Electrical and Energy Engineers in Israel 2002 (R.A).

<http://www.seeei.org.il/>

Chairman of the SEEEI, HVAC and Energy Society. 2015- date

NFPA member.

ATD 1639 – Uptime Institute Accredited TIER Designer.

Certified supplier of the ministry of defense MOD, and mutual USA and MOD COE projects in Israel.