



Curriculum Vitae Avraham Menashe

Position:	C.O.E of A.M. International – Avi Menashe Consulting Engineers Ltd.
Name of Firm:	A.M. International – Avi Menashe Consulting Engineers Ltd.
Name:	Avraham Menashe
Date of Birth:	18/11/1951
Country of Birth:	Israel
Profession:	Mechanical Engineer
Specialty:	Sanitary and HVAC Systems, Energy Centers for cooling and heating, Steam plants, Refrigeration systems, Control, Data Centers Electro Mechanical system Coordination
Professional Experience:"	37 years
Years with Firm:	37 Funder
Nationality:	Israel
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Key qualifications:

Eng. Menashe Avraham is the Funder of **A.M. International Consulting Engineers Ltd.** Eng Menashe is the COE and Head of the Planning Department of the company.

Insightful and result-driven **Sanitary, HVAC** and **Agricultural** engineer professional with notable success directing and overseeing large-scale mechanical systems for complex, multiphase and high profile engineering construction developments. Excel at providing comprehensive project management for mechanical systems analysis, full life cycle system costs with an excellent grasp of the financial constraints and the complicated logistics associated with such systems. Hands-on and practical experience leading all stages of the design and the development of new building construction; consisting of producing construction drawings, reports demonstrating energy savings and costs analysis as well as technical project specifications. Outstanding project and program leader; able to coordinate and direct all phases of project-based efforts while managing, motivating, and guiding teams.

Professional Strength:

- Comprehensive knowledge of mechanical engineering concepts, mechanical drawings, and construction guidelines.
- Thorough knowledge of thermal calculations, energy studies and energy savings from mechanical systems and designs.
- In-depth knowledge of Sanitary, Fire Fighting, Sprinklers Systems HVAC design principles, mechanical safety systems, CFD and technical engineering specifications.
- Developing of conceptual designs for new construction projects.
- Extensive knowledge of power engineering systems, HVAC energy savings, and HVAC codes.
- Well versed in installing and commissioning HVAC building equipment.
- Well acquainted with state and federal mechanical codes and regulations as well as international codes.
- In-depth knowledge of HVAC controls with sound knowledge of various operating platforms.
- Selecting proper equipment, analyzing constructability and calculating construction costs.

Exceptional communication and project management skills.

- Lecturer in Engineering faculties at Universities and high schools of on the following Topics: Heat and mass transfer, Thermal environmental Engineering, Drying and Processing and Post Harvesting of agricultural products Air conditioning and Refrigeration, Fluid Flow, Thermodynamics.

Education:

- 1976 - 1978: **M.Sc.** – Agricultural, Mechanical, Heat and Mass transfer in agricultural application, Technion, Israel Institute of Technology.
- 1969 - 1973: **B.Sc.** – Agricultural Engineering, Thermal Environmental Engineering, Technion - Israel Institute of Technology, Haifa.
- 1965 – 1969 BASMAT - Technical High School, Haifa, Israel

Teaching Experience

- 1976 - 1989: **Ruppin Institute**
- Courses in environmental control for poultry buildings, air condition systems, refrigeration systems, and air conditioning systems for tractor cabs harvesters and trucks.
- 1978 - 1989: **Ministry of Agriculture**
- Ministry of Agriculture - special courses for in environmental control subjects for poultry houses, greenhouses, mushroom plants, etc., HVAC systems.
Refrigeration system and storing of vegetables, fruits and meat in cold storage.
- 1976 - 2015: **Technion institute of Technology Haifa Israel as associate Professor.**
- Courses for 3rd and 4th year studies, and Masters and P.H.D in the Faculty of Agricultural, Civil Engineering and the Faculty of Mechanical Engineering.
- Thermal Environmental Engineering, Heat transfer Mass flow and fluid flow
 - Air Conditioning and Refrigeration systems
 - Processing and drying of agricultural products
 - Supervision of student projects, Technion institute of Technology, Faculty of Engineering Tel Aviv University. Faculty of mechanics
- 1974 - 1984: **Agricultural Engineering high school "Yad Natan"**
- Head of the machinery option,
Courses in engineering aspects of animal husbandry
Courses on applied thermodynamics,
Thermal environmental engineering and HVAC systems.

Employment Record:

Since 1980 to date - Owner of a private consultant engineering company in Israel. A.M.International - Avi Menashe consulting Engineers Ltd.

Since 2004 to 2012 - Collaborate in a private consultant engineering company in Romania (Bucharest) "Clima Design International s.r.l."

A.M. International Consulting Engineers Ltd, established in 1980 by Avraham Menashe, The Company offers engineering consulting, design, development, and supervisory services for mechanical systems such as microelectronic factories, public buildings, shopping centers, Hospitals, industries as well as agricultural projects.

The companies offer five design disciplines:

- Water and Sanitary, Water treatment
- Automatic sprinklers systems
- HVAC and Refrigeration systems
- Medical and processing gas systems
- **Intensive modern AGROTEC industrialized agriculture.**

A.M.I consulting engineers is ISO 9001 (year 2002) certified.

Detailed Tasks Assigned:

- In charge of all aspects of Sanitary and HVAC, design as well as electro mechanical design coordination. Responsible for the leading of A.M International design team as Funder and COE.
- Systems' coordination.
- Reviewing and approval of the basic of design heat load calculation design concept and budget estimation for electro mechanical projects.
- Conducted public and international consultations.
- Top oversight.

Membership in Professional Associations:

- Member ASHREA
- Member SEEEI
- Member ASAE
- Member NFPA
- Uptime Institute – ATD 1639

Language Skills:

	<u>Reading</u>	<u>Speaking</u>	<u>Writing</u>
Hebrew:	Excellent	Excellent	Excellent
English:	Very Good	Very Good	Very Good
France:	Good	Very Good	Good

Countries of Work Experience:

Israel, USA, Chania, South Korea, Japan, India, Vietnam, Egypt, Jordan, Angola, Nigeria, Ghana, South Africa, Brazil, Colombia, Mexico, Hungary, Russia, Poland, Checks Republic, Germany, Switzerland, Turkmenistan, Kazakhstan, Uzbekistan, Romania, Italy, Turkey, Bosnia, Australia, Etc.
