



# CAS Computerized Analysis and Simulation Ltd.

## Line of Business

Consulting and Analysis Services in Thermal, Mechanical and CFD Fields  
Selling Supporting Software

## Established

1995

## Leading Executives

Dr. Eldad Levy

Mr. Idan Dar

**C**AS (Computerized Analysis and Simulation) is an innovative CA service provider in the field of mechanical, thermal and dynamic systems. CAS was founded in 1995 by Dr. Eldad Levy and Idan Dar, mechanical engineers from the Technion, when they identified the growing need for an independent analysis provider for consulting and outsourcing services. Today, our team includes qualified, well trained engineers who have a lot of experience in various analysis fields as well as creative thinking.

CAS provides a complete range of engineering consulting, starting from the first conceptual design, and up to the final testing stages, using cutting edge computerized tools such as FE (Finite Elements) and CFD (Computerized Fluid Dynamics) software.



## Our consulting fields include:

- **Thermal and Flow** - Consulting with the aid of numerical tools (Coolit) from die level (microns) up to Cards-Modules-Chassis-Racks-Rooms level (metric)
- **Mechanical** - Linear and non-linear systems, structure, multidisciplinary systems from micron scale to large scale structures in various industries.
- **Dynamical** - Vibration, Shocks, Shockwave - for military and civil systems.
- **CFD** - For various systems – medical, industrial etc.

## Tests - Environmental and verification

As part of the full consulting range, CAS supports the customer with standards and tests capability and knowledge.

## Marketing & Supporting of Simulation and CAD Software

CAS serves as the EMEA distributor and support provider of:

- Coolit - a comprehensive and advanced CFD (Computerized Fluid Dynamic) software specializing in electronic packaging.
- SpaceClaim – a friendly and innovative software package for CAD in direct modeling technology.
- HyperWorks - HyperWorks is a computer-aided engineering (CAE) simulation software platform that allows businesses to create superior, market-leading products efficiently and cost effectively.

## Fields of Expertise

- Electronics and Microelectronics
- Medical
- Military
- Communication
- Automotive
- Power systems
- Data Centers

Applying analysis and simulation during the design phases dramatically improves the overall design outcome, increases design process quality and efficiency, reduces the number of needed prototypes and lowers the overall project costs and time-to-market.

## So what do we actually do?

### CONSULTING

Consulting is the core expertise of CAS. Our team provides a complete professional support during all the stages of the design process, using advanced computerized analysis and simulation tools, and based on relevant standards such as NEBS, ETSI, MIL, ATCA, DO.



## Contact:

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