

## Mikos Dellis, Mechanical Engineer MBA, Business Development Manager



# Introduction

- ✓ Technical software company.
- ✓ Established in 2001
- ✓ Territory: Southeastern Europe
- ✓ Central office: Thessaloniki
  - Zagreb 2004
  - Ljubljana 2007
  - Athens 2009





- The company since its initial establishment has focused its activity on high-end specialized CAD / CAE software and services and has developed a large product portfolio and a unique know-how in this market in the region of Southeastern Europe.
- The main activity of the company is the provision of technical software and the relevant training and technical support activities.



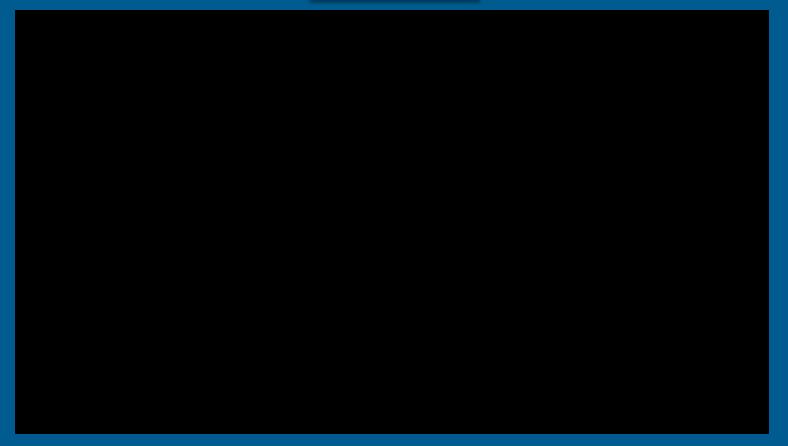
### ✓ Software distribution

- Certified Channel Partner of Ansys Inc. in Southeastern Europe.
- Value Added Reseller of Autodesk Inc. in E.U.
- ✓ Introductory and advanced training seminars
- ✓ Full technical support for the most efficient use of the software
- ✓ Development of CFD and other engineering software.
- ✓ CFD and FEA consulting services
- ✓ Participation in European and National R&D projects



# **Realize Your Product Promise**

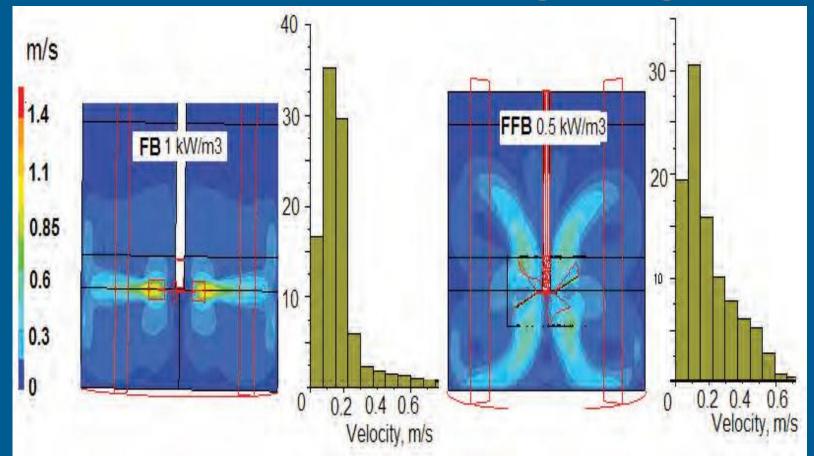






# Bulgarian Academy of Sciences, Bulgaria

#### I. Institute of Chemical Engineering

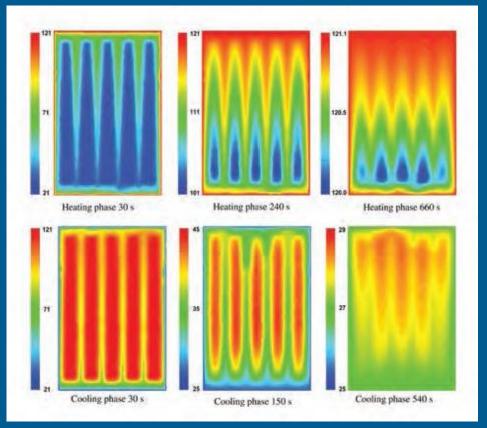


Contour plots and velocity distribution corresponding to different impeller designs



# **Agricultural University of Athens, Greece**

### **II. Laboratory of Food Process Engineering**



Temperature profile in a metal can at different times during the cooling and the heating cycles

10 January 2014



#### **III. Aristotle Racing Team**



#### ART – 12 Race Car

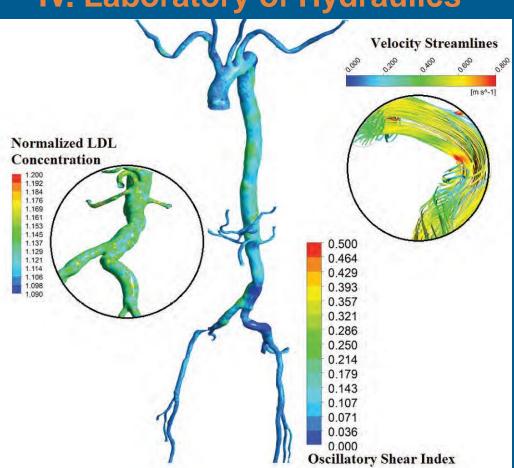
1st Greek - Bulgarian Research Entrepreneurship Workshop in the field of Complexity Science

10 January 2014



# **Democritus University of Thrace, Greece**





#### **IV. Laboratory of Hydraulics**

#### Aortic system computational results

10 January 2014

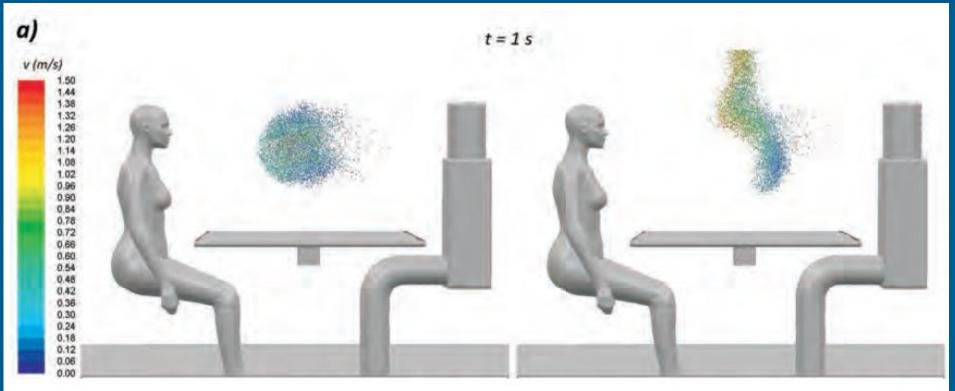


### Installed software sold by Simtec:

- ANSYS Academic Research (Mechanical Capability, CFX full Capability)
  - Solver, Fluent Explicit) → 25 tasks perpetual
- ➤ ANSYS Academic Research EM → 5 tasks perpetual
- ➤ ANSYS Academic Research HPC → 256 cores
- ➤ ANSYS Academic Research LS-DYNA → <u>1 task perpetual</u>



### V. Laboratory for Heating, Sanitary, Solar and AC Advanced ventilation for airborne cross inflection control in spaces

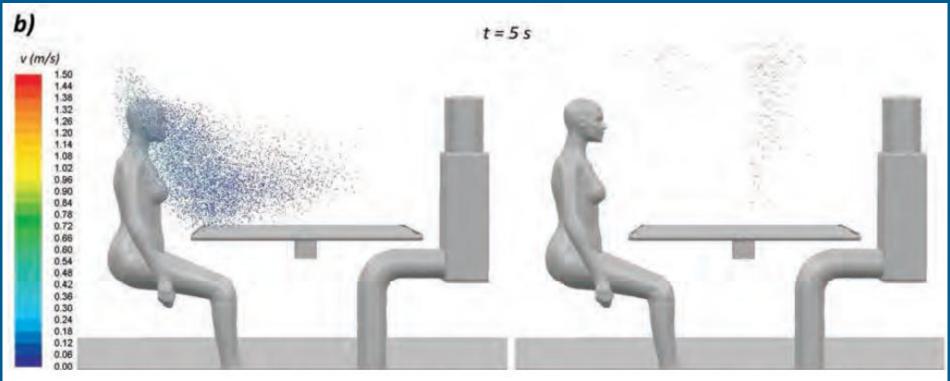


Reference exposure

ACS protection



### V. Laboratory for Heating, Sanitary, Solar and AC Advanced ventilation for airborne cross inflection control in spaces



Reference exposure

ACS protection



#### V. Laboratory for Heating, Sanitary, Solar and AC Advanced ventilation for airborne cross inflection control in spaces



Reference exposure

ACS protection

Fig. 4 Dispersion of 12 µm expiratory droplets in the occupied zone in case of the medium cough (a) t =1 s; (b) t = 5 s; (c) t = 10 s



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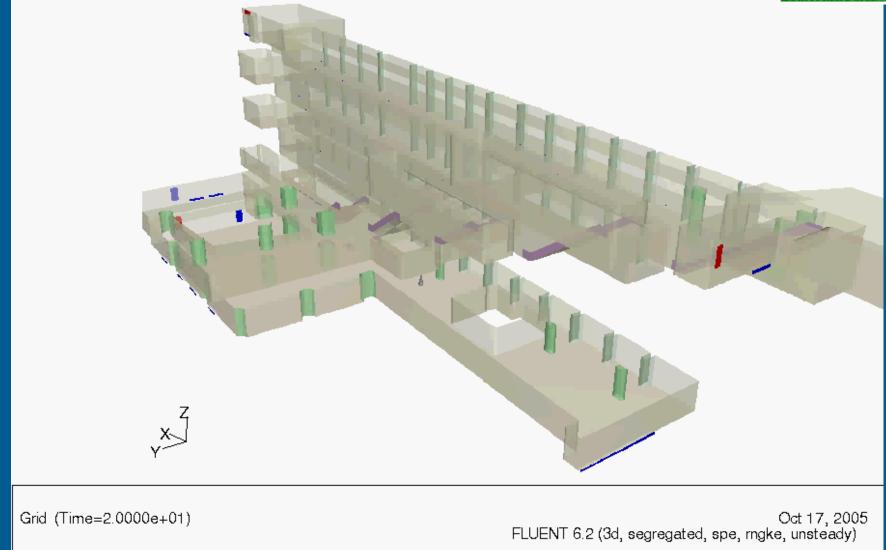


SimTec

Software & Services

# Smoke Propagation in the National Museum of Modern Art in Athens, Greece.

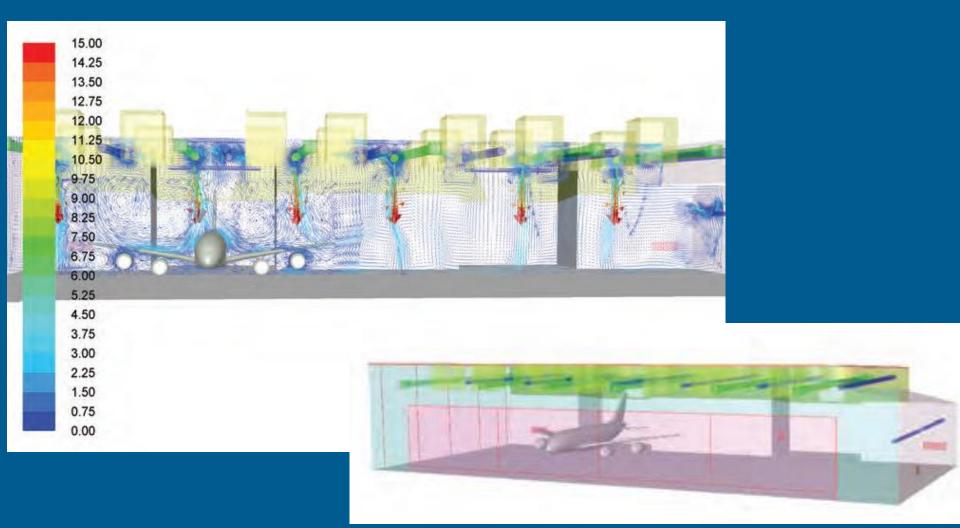
CONSULTANS ENGINEERS



SimTec

Software & Services

# Software & Services Cooling of a Maintenance Hangar at an International Airport, Asia.



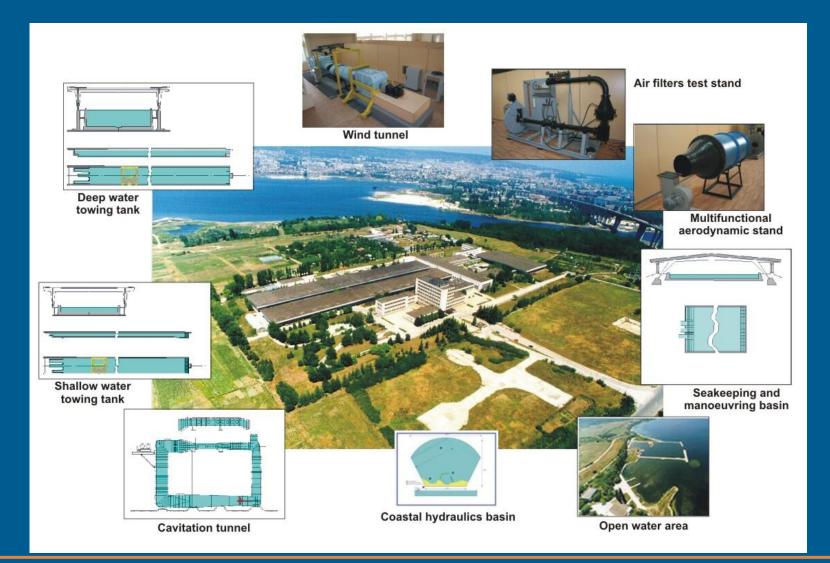
#### SimTec **Cooling of a Maintenance Hangar at an International** Airport, Asia.



Software & Services

# Software & Services Bulgarian Ship Hydrodynamics Center

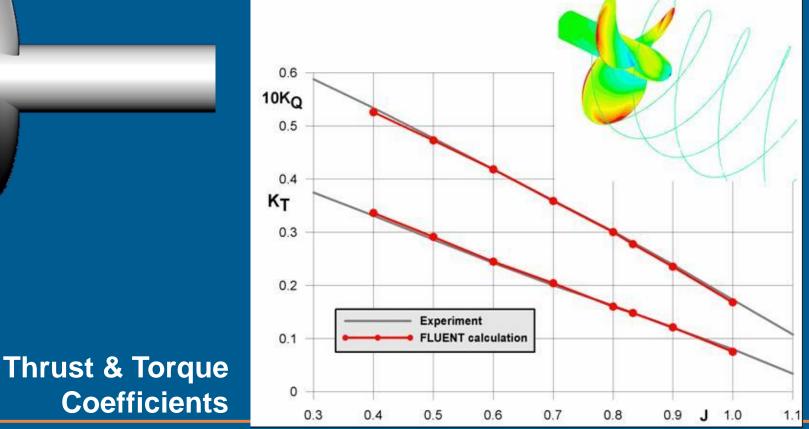




# Software & Services Bulgarian Ship Hydrodynamics Center



#### Flow about the ITTC Test Screw Propeller No.4119



**Coefficients** 1st Greek - Bulgarian Research Entrepreneurship

10 January 2014

Workshop in the field of Complexity Science



- ✓ 230+ customers
- ✓ 55% academic and research institutes
- ✓ 15% industry
- ✓ 30% engineering offices
- ✓ ~1000 supported user base
- ✓ 350+ installed licenses
- ✓ 20+ consulting projects
- ✓ 50+ training seminars
- ✓ Exports amount to 60% of the turnover



# **Achievements**

covers approximately 50% of the CAE market in the ✓ SimTec territory.



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# **Simulation in Southeastern Europe**





- We have many times witnessed the successful integration of the analysis and simulation technology into research, design and development process.
- The continuous evolution of the CAD / CAE landscape, requires increased technical expertise.

#### **SO...**

- Simtec is determined to remain at the forefront of the technology evolution and continuously develop the technical skills and the knowhow in the company.
- Continuous education and participation in research projects are an integral part of our activity



10 January 2014