



**The Abdus Salam
International Centre for Theoretical Physics**



2273-10

**Second Workshop on Open Source and the Internet for Building Global
Scientific Communities with Emphasis on Environmental Monitoring and
Distributed Instrumentation**

28 November - 16 December, 2011

Introduction to ESTECO

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Italy*

Open Source and the Internet for Building Global Scientific Communities

ESTECO Company Overview

Chiara Viani, 28 November 2011



www.esteco.com



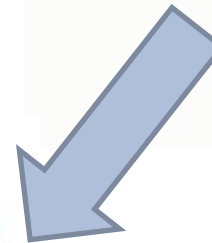
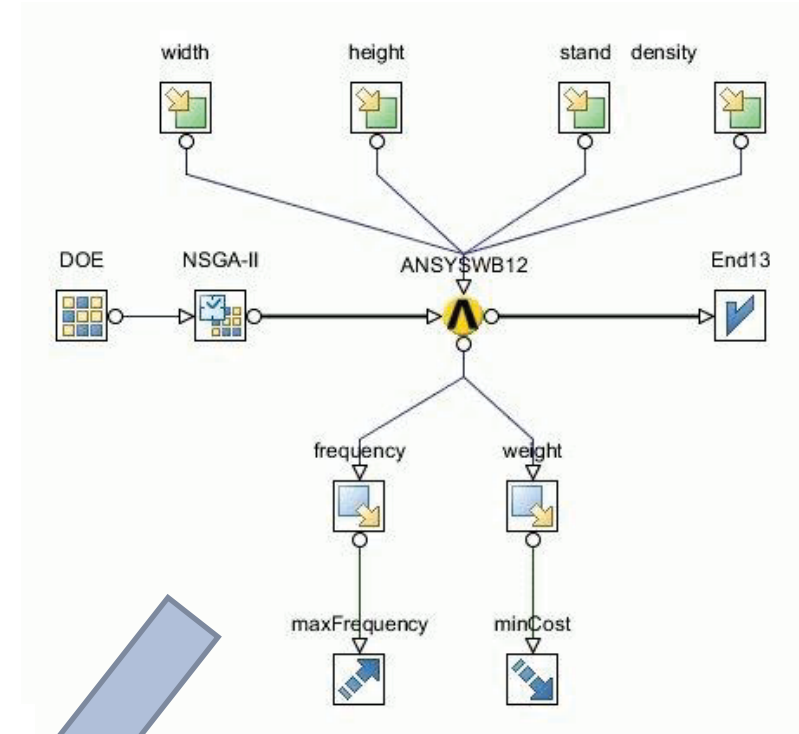
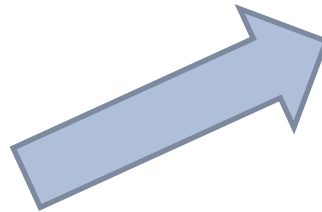
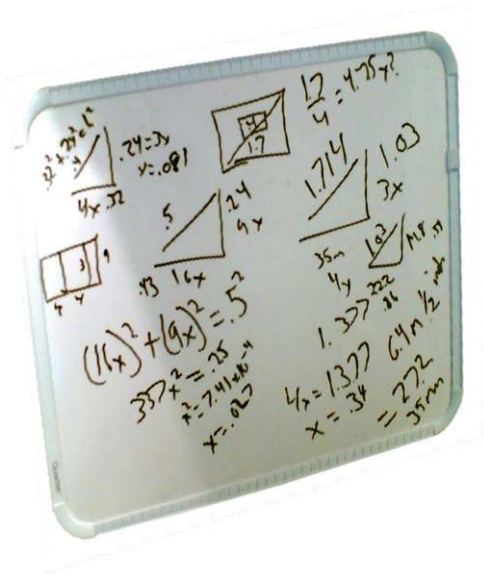


ESTECO is a strategic supplier of **integration, simulation and optimization technology**, as well as **consulting services** to engineers and researchers.



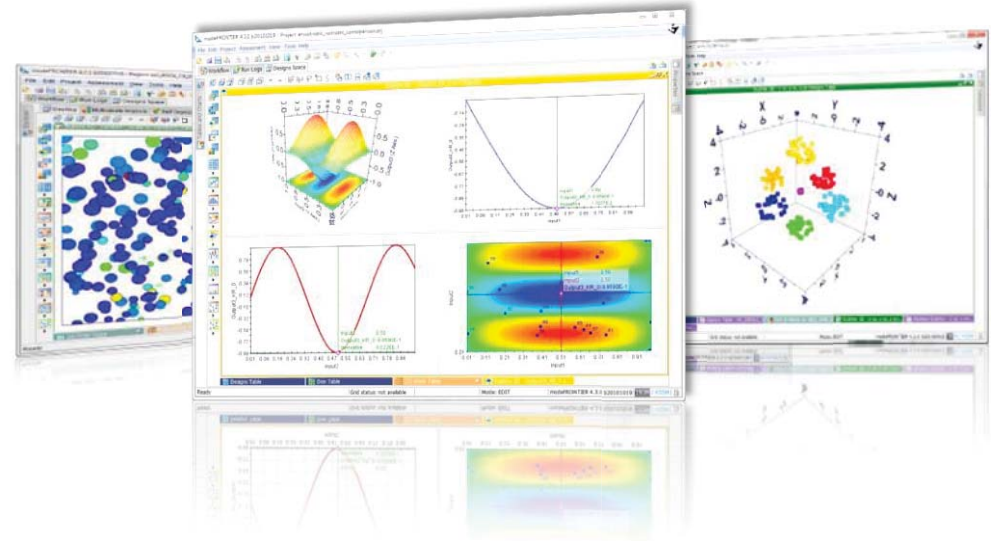
Company vision

Our vision is transforming
Inventions in Innovation



Our products and services are designed to serve **decision making processes** in a wide range of fields.

We are one of the
front runners in
optimization
technology, offering
a world-class
product:
modeFRONTIER.



is a multidisciplinary and multi-
objective optimization platform
designed for process automation,
software integration and data analysis.

modeFRONTIER

Imagine designing an airplane wing starting from **computational simulation**

Forced to face
opposite needs like
maximum
robustness vs weight
limits



With unlimited
combinations and
a troublesome
decision process

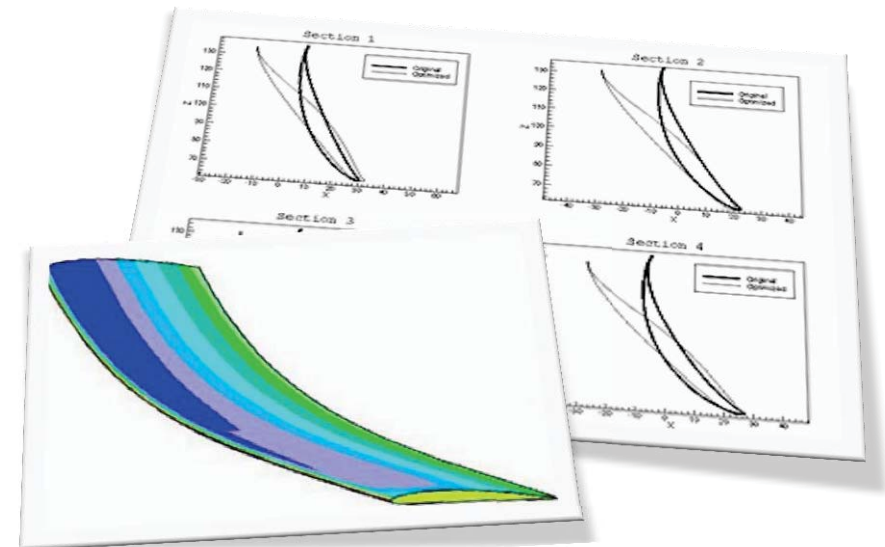
modeFRONTIER platform achieves the **best compromise** on your **desktop**

Integration

The **multidisciplinary nature** of modeFRONTIER can take on two meanings:

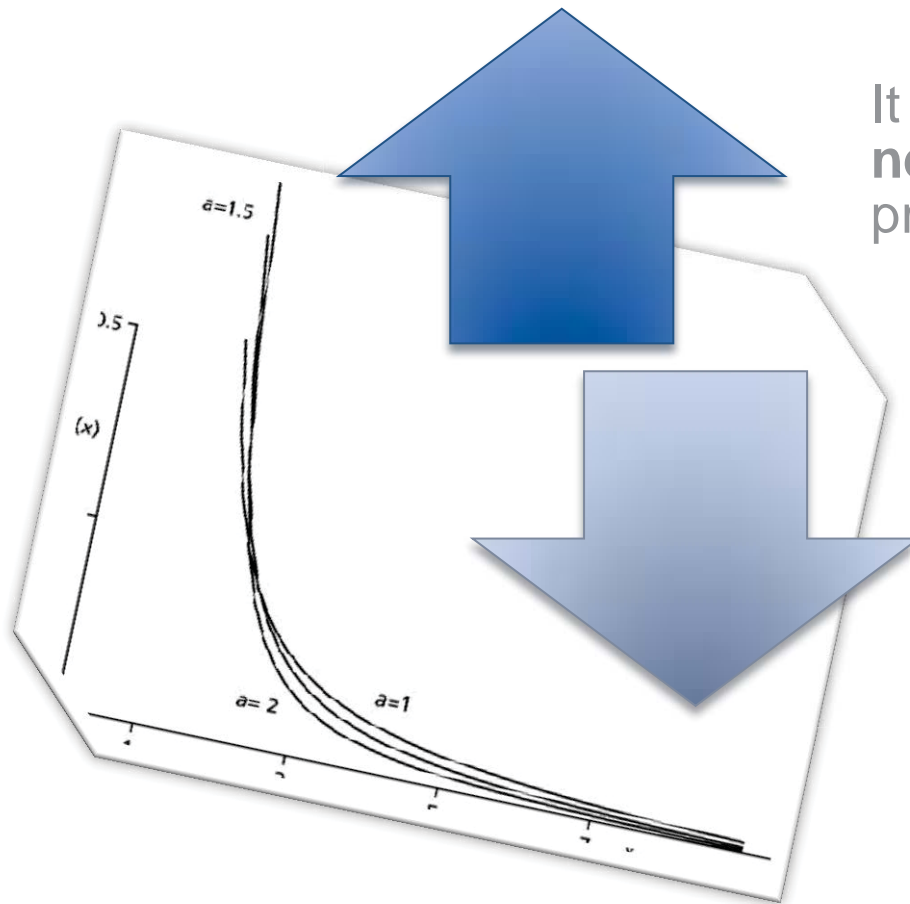
Integration of different
sectors

Integration of different
disciplinary needs



Images CC: puukibeach, gcfairch, Leap Kye

Optimization



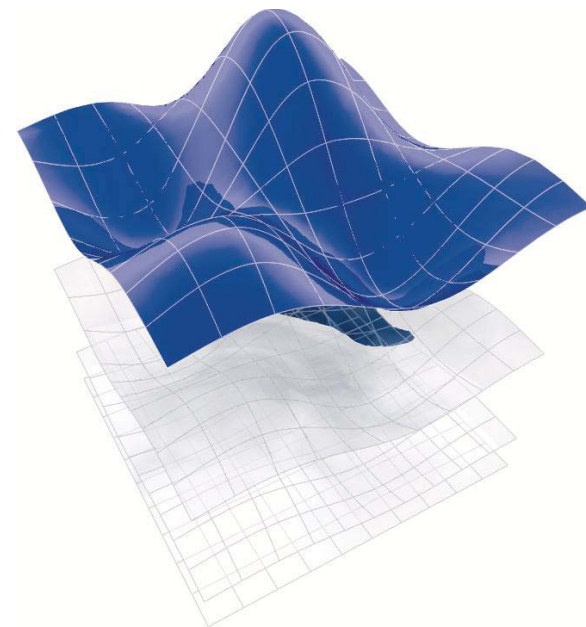
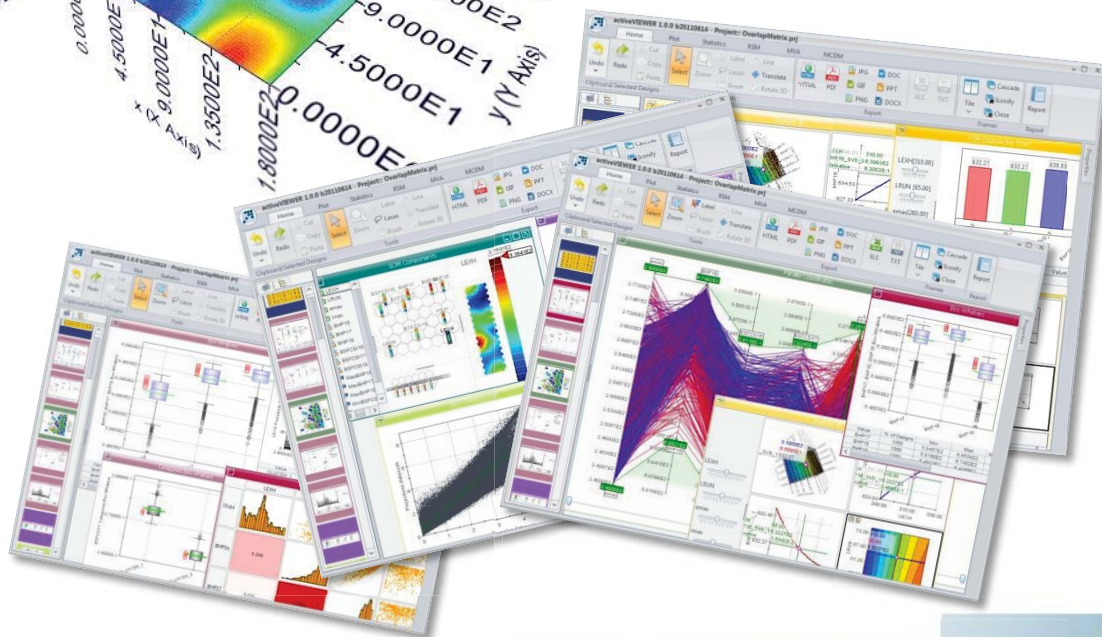
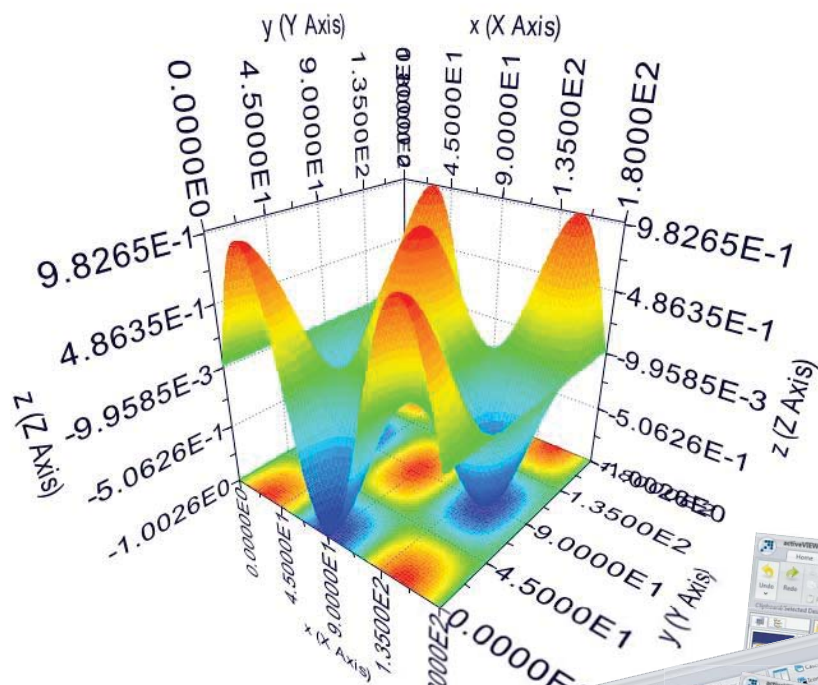
It often happens that **opposite needs** occur during the design process: a **multi-objective** dilemma.

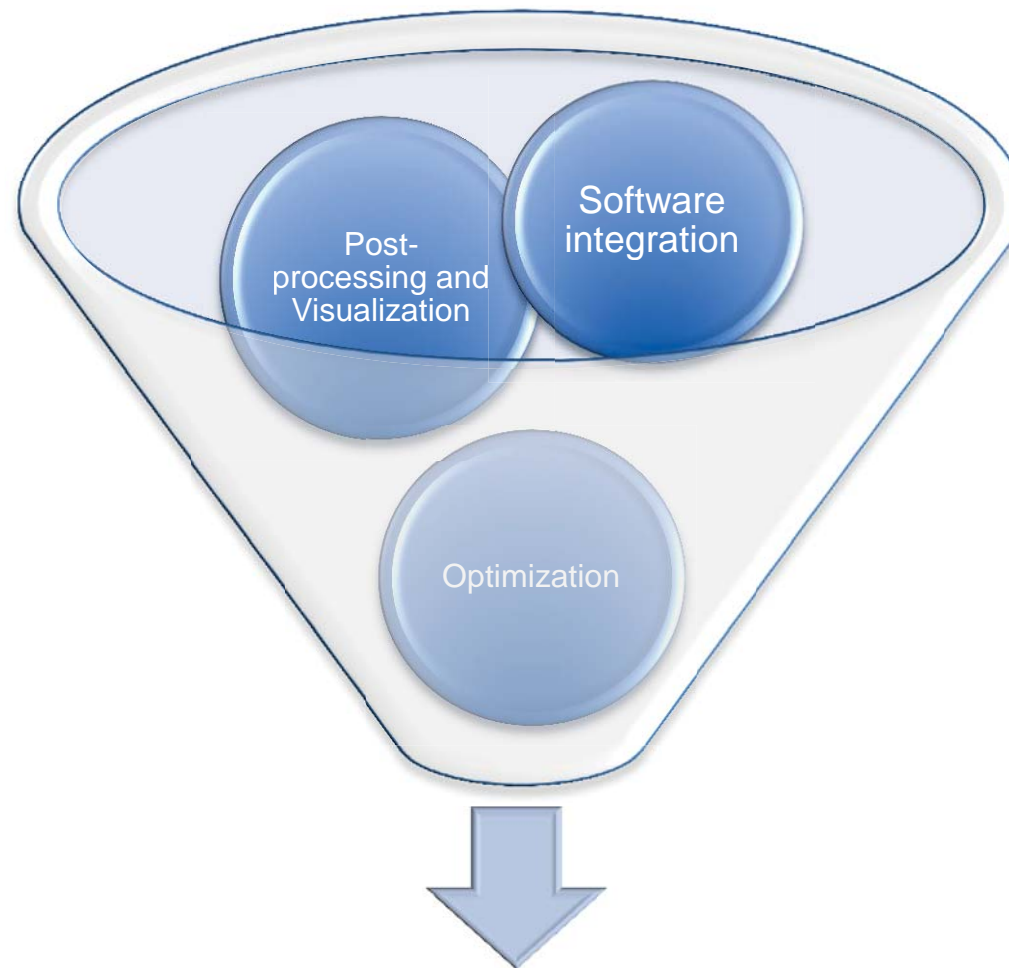
modeFRONTIER's optimization algorithms identify the best compromise.

In other words **the best possible solutions**.

Post-processing

Once data has been processed, modeFRONTIER analyze the results, through sophisticated **statistical analysis** and **data visualization tool**.





Optimal solutions

Location

ESTECO HQ are located at AREA Science Park (near Trieste, Italy), a multi-sector science and technology campus where research, development and innovation bear excellent results.



The Team

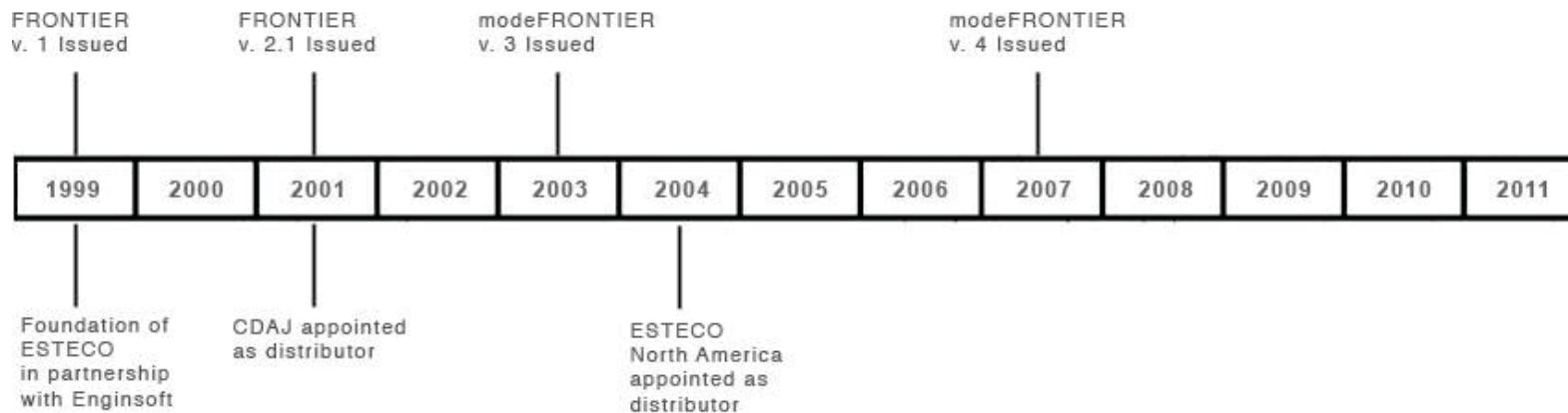
ESTECO counts over 30 **software developers** and **engineers**

From **mechanical engineering** to **naval**, from **chemical** to **electronics**.
The aim is one and simple: **make customers' lives easier**.

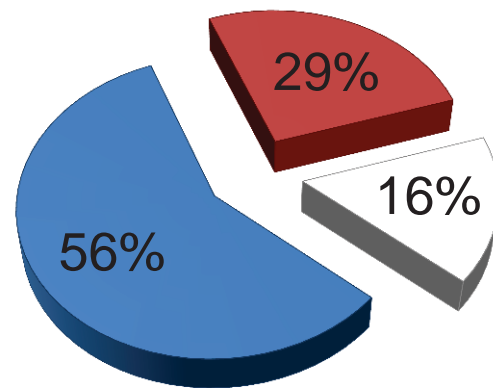


Our story

ESTECO started in 1999 as a University spin-off.
Now modeFRONTIER is used in all continents.



Sales Model



- Japan
- Europe
- The Americas



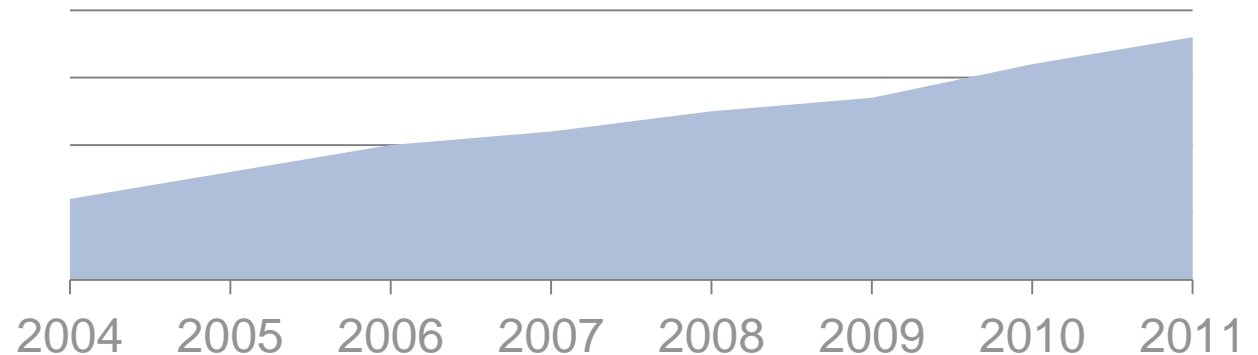
modeFRONTIER is sold as a Software desktop solution developed in JAVA through a network of channel partners.



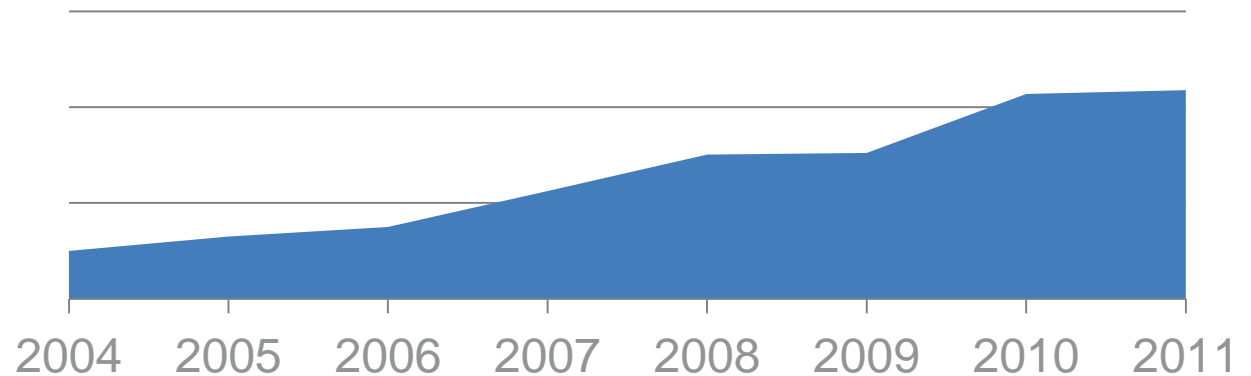
Our growth

The company
is growing:
our team
increases as
does our yearly
turnover.

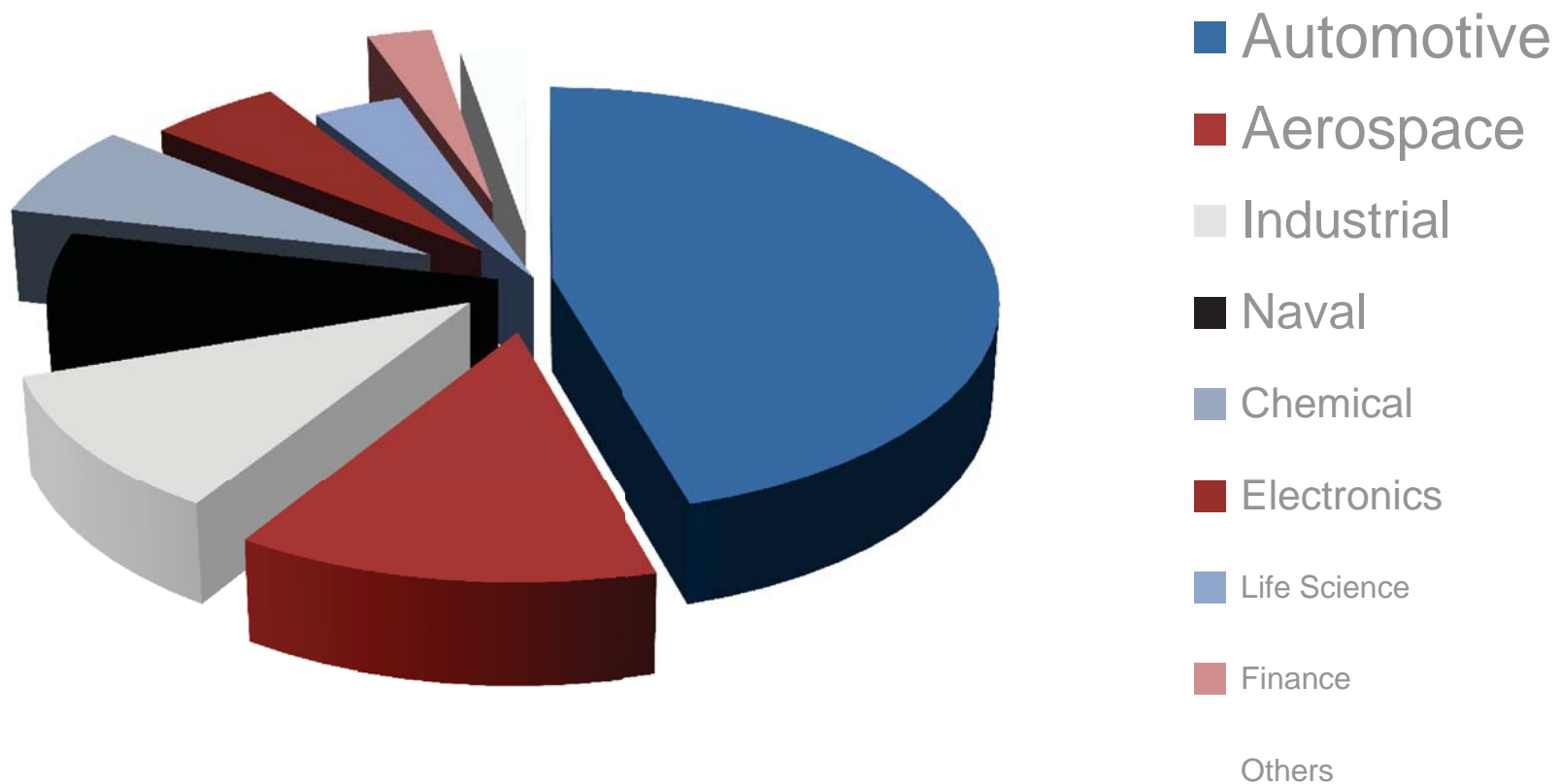
Employees



Revenues



Principal markets



Customers

ESTECO's customer base counts **over 250** international accounts including:



www.esteco.com



University Program – over 200 contacts worldwide

Just a few example:

- Chalmers University of Technology
- CNES (Centre National d'Etudes Spatiale)
- Cranfield University
- Ecole Centrale de Lyon
- Ecole Centrale Nantes
- Helsinki University of Technology
- Indian Institute of Technology
- Instituto de Aeronáutica e Espaço - IAE
- Istanbul Technical University
- Kanazawa Institute Of Technology
- Lund Institute of Technology (LTH)
- Musashi Institute of Technology

- NTUA Athens
- Politecnico di Milano
- Politecnico di Torino
- Seconda Università degli Studi di Napoli
- The University of Sheffield
- Tohoku University
- Tokyo Institute Of Technology
- UFU - Faculdade de Engenharia Mecanica
- Universidad Politécnica de Valencia
- Universidade de Sao Paulo
- Universidade Federal de Itajubá (UNIFEI)
- Università di Trieste

- Universität zu Köln
- Universiti Kebangsaan Malaysia
- University of Kassel
- University of Michigan
- University of Pisa
- University of Roma - Tor Vergata
- University of Southern Queensland
- Clemson University
- Purdue University
- MIT Massachusetts Institute of Technology
- GeorgiaTech Institute of Technology
- Yokohama National University



Thank you!

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modeFRONTIER®
the multi-objective optimization and design environment

www.esteco.com

