



# REALISTICS

Large space and long timescale simulation

BUDGET

€1,742K

GRANTS  
OBTAINED

€750K

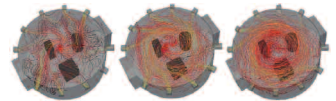
ANR FUNDING

2010 - 2014

## THE PROJECT

Intensive calculation is currently inaccessible to industrialists for ordinary processes in thermal engineering, for example (heating, tempering,...) when large spaces are involved (e.g. 10 metres) or long timescales (e.g. 10 hrs), due to the calculation times required.

Effective use of digital simulations by industry is a major competitive issue (economics, control of energy consumption,...) and the gains that can be expected are all the more significant and all the greater when we are working on long timescales and large spaces. The work done on the project (self-adaptive meshing, anisotropic processing of calculation time steps) will be integrated into process simulation software. Demonstrators will be assessed by the industrialists who are partners in the project, and they will validate the results expected by the making available of these sophisticated digital simulation tools.



## PROJECT SPONSOR

SCIENCES COMPUTERS  
CONSULTANTS

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## CO-ACCREDITING CLUSTERS



### R&D PARTNERS



### SME PARTNERS



### GROUP PARTNERS

