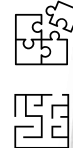


MECHANICAL ENGINEERING BY NUMERICAL SIMULATION

Reduce your project uncertainty

→ Our skills as a complement to your team

→ As a support for your team on complex issues

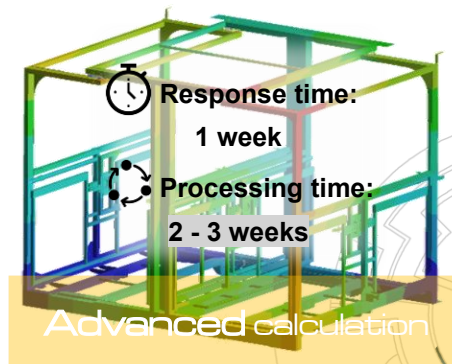
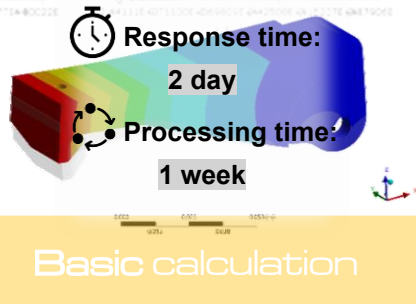


Advanced

- Vibratory / seismic analysis
- Non-linear calculations
- Thermomechanical coupled analysis
- Fatigue strength under cyclic and random loads

Expert

- Thermo aerodynamic
- Optimization
- Fast dynamic analysis
- CFD calculations
- Technical support



Response time:
2 - 3 weeks

Processing time:
Depending on subject

Expert calculation

Anslys

salome_meca
EXPERIENCE OPEN SIMULATION

Robot Structural Analysis
Professional

PROFIS
software

EN
9100

Mechanical and mechatronic engineering
(research in robotics, innovative process and
products, technical calculations, process
design)

More details on our website:
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Engineering
Assembly
Company

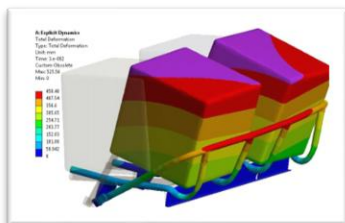
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AREAS AND APPLIED NORMATIVE FRAMEWORKS

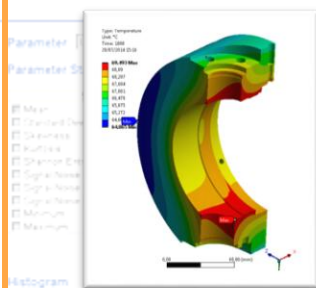
Fast dynamics



- Crash of an object on a load stop
- Structure deformation during the impact

- Automotive 
- Industry 
- Defence 
- Railway 

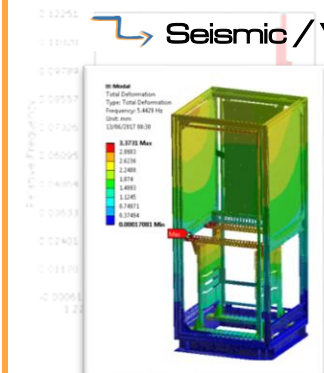
Thermomechanical fatigue



- Temperature evolution in the room
- Determination of mechanical stresses generated by thermal gradients
- Fatigue performance verification by checking the usage factor

- Nuclear 
- Industry 
- Railway 

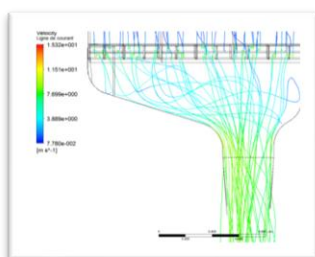
Seismic / Vibration



- Vibratory performance of the structure
- Calculation of resonance modes
- Verification of seismic strength by recombination of the modal basis

- Nuclear 
- Building 
- Industry 
- Defence 
- Railway 

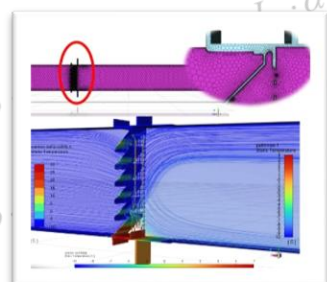
Fluid



- Calculation of pressure loss in a pipe
- Determination of the minimum returnable flow rate
- Checking of the mechanical strength of the pipe under static pressure

- Industry 
- Process 
- Nuclear 

Fluid thermal coupling



- Thermal power sizing of the cable
- Study and characterisation of flow in the grid

- Industry 
- Aeronautic 
- Nuclear 