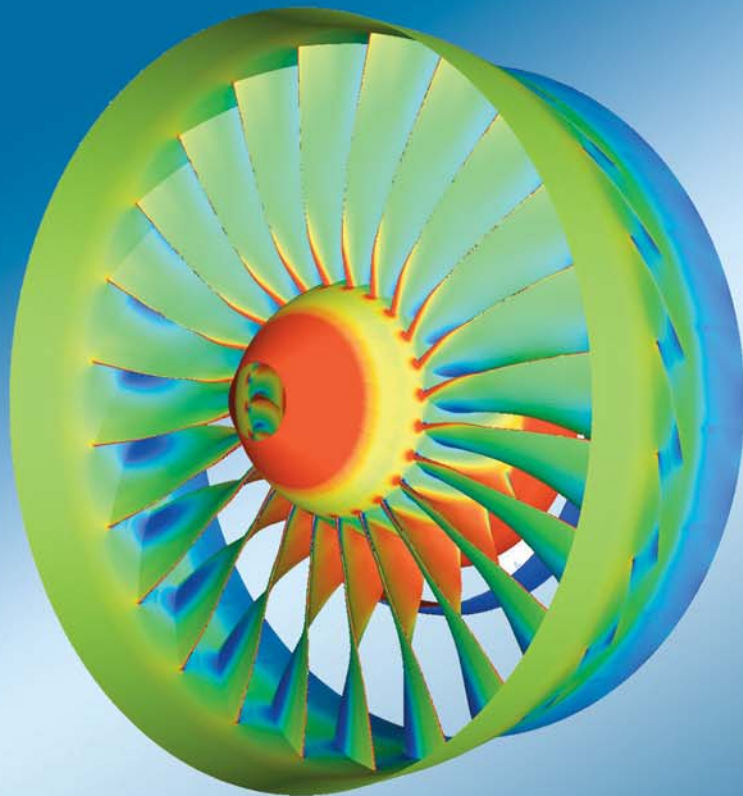
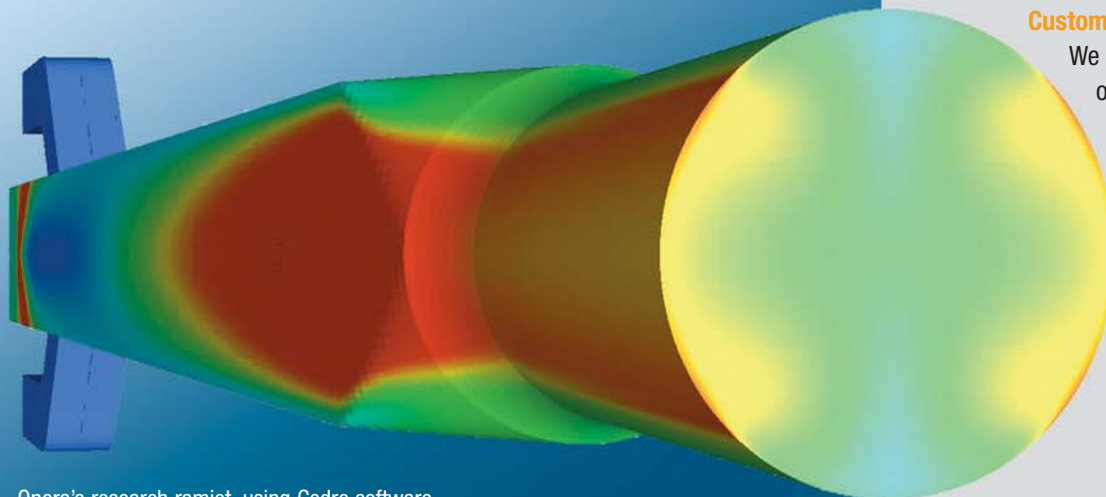


andheo Fluid dynamics engineering services



MSD calculation of a jet engine fan.



Onera's research ramjet, using Cedre software.

andheo works with Onera to develop applications of CFD (computational fluid dynamics) software such as *elsA*, Cedre, Celhyo and MSD, and radiation software such as Astre and dtmSlab.

Our services

Design studies and calculations for aerodynamics, aerothermomechanics, energetics, radiation, and multi-physics phenomena.

Support the use and development of CFD software.

Advantages

Ten years of experience working with both industry and research organizations on the entire software life cycle: modeling, development, calculations. Proven expertise in application of Onera, Fluent and NextFlow software, along with multidisciplinary coupling.

Customers

We work for a number of aerospace majors, including Onera and its partners.



Company profile

andheo is a fluid dynamics engineering company. Drawing on our CFD expertise, we can help you in many ways:

- Understand and control the fluids in your systems.
- Design and optimize your processes.
- Maximize the performance of your products or systems.

We also work with a number of industries, both long-time users of CFD, and those just beginning to apply its benefits:

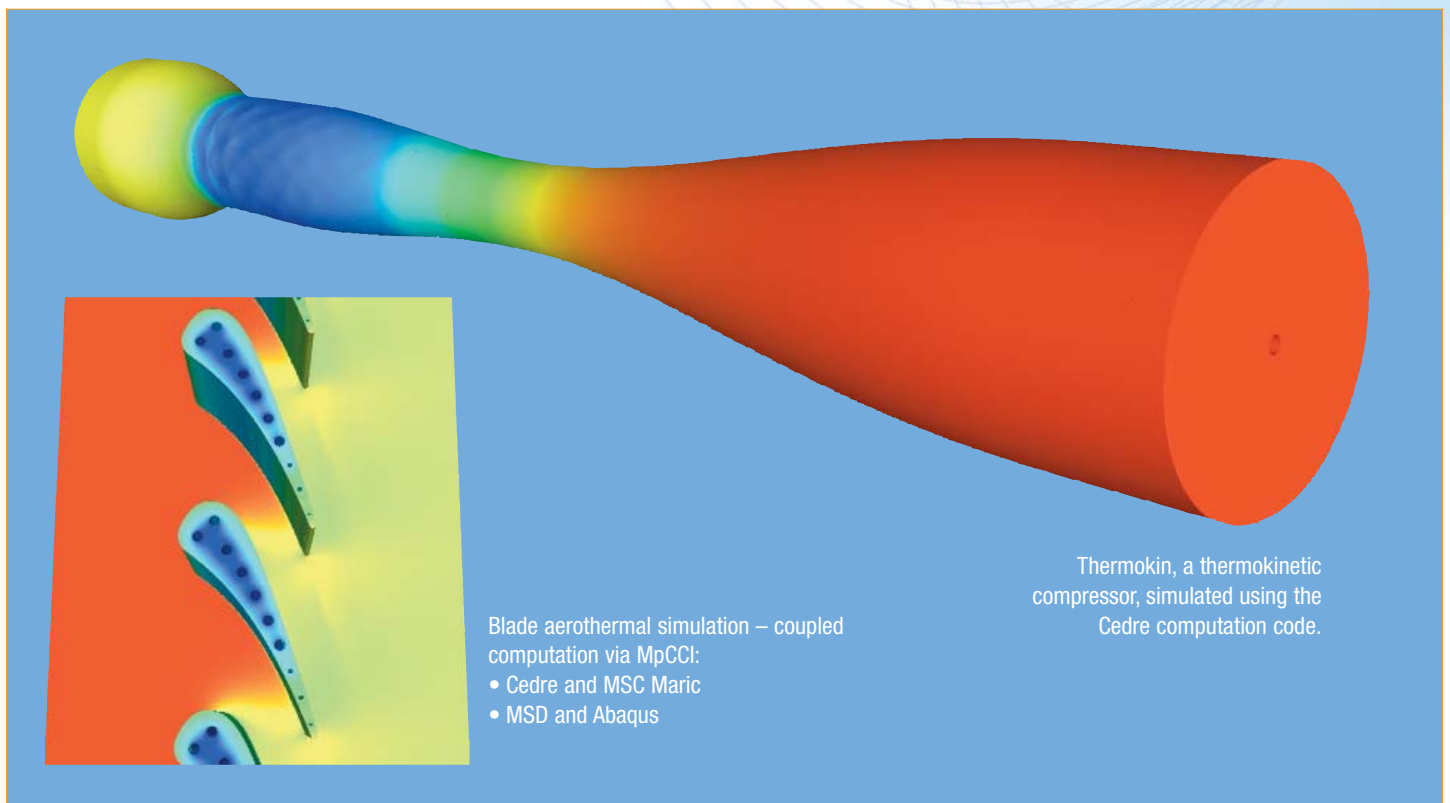
- Pioneers in CFD: aerospace, automotive, naval, rail, oil & gas, etc.
- Emerging CFD users: construction & civil engineering, air/water treatment, agrifoods, biomedical, etc.

Areas of expertise

Our range of services includes:

- Multi-physics fluid-particle-structure-radiation numerical simulation.
- Scientific expertise and prime contractor support.
- Development of CFD software.
- Support in the use and development of fluid mechanics software.
- Training in general fluid mechanics and/or application to a given sector.
- Training for users of fluid mechanics software.

Our aim is to maximize your efficiency, operability and competitiveness.



Blade aerothermal simulation – coupled computation via MpCCI:
• Cedre and MSC Maric
• MSD and Abaqus

Thermokin, a thermokinetic compressor, simulated using the Cedre computation code.

For more information: info@andheo.fr

www.andheo.fr

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www.onera.fr

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