



## JOB OFFER

# Senior Research Engineer Turbomachinery aeroacoustics

Cenaero is an applied research center that provides numerical simulation methods and tools to companies involved in a technology innovation process, allowing to invent and design more competitive products. Our ambition is to be internationally recognized as a technology leader in modeling and numerical simulation, to be a strategic partner of large global industries as well as a real support to regional companies including innovative SMEs. Having a solid and recognized experience in numerical simulations and the development of methodologies and tools for turbomachinery applications, Cenaero is since 2007 official strategic R&D partner of the Safran group.

Cenaero operates a Tier-1 supercomputing infrastructure. Our headquarters are located in Gosselies (Belgium), with a subsidiary office in near Paris (France).

In order to support the expanding **research activities focusing on turbomachinery aeroacoustics and design optimization**, we are looking for a senior research engineer (M/F) and offer a permanent contract (CDI) within our team in Belgium.

### Job description

Within the *Turbomachinery Design* research theme we work on a daily basis on challenging projects with our clients and research partners. These projects are often integrated in a multi/pluridisciplinary optimization context that relies on a strong CFD-centric expertise, involving aerodynamic, aeroacoustic, aeroelastic, aeromechanical and/or aerothermal analyses. Passion drives us; boldness moves us forward to ambitious projects. Scientific rigor and intellectual curiosity fuel our quest for high-quality work.

Your aeroacoustic expertise and skills will allow you to contribute to turbomachinery design optimization projects and to further develop the design methodologies. You will be responsible for the technical progress as well as for the project management, in order to meet our clients' expectations and in line with our Quality Management System (EN9100).

### Profile

We are looking for a candidate with:

- an aeronautical engineering master degree (or equivalent)
- a solid background in numerical methods for Computational Fluid Dynamics and **Aeroacoustics**
- a PhD degree as a valuable asset
- a working experience (industrial or academic) of at least 4 years in the turbomachinery community
- a strong affinity with turbomachinery design and an interest in optimization and data mining techniques
- a proficiency in object-oriented programming and shell scripting
- excellent analytical skills and solution-oriented thinking capabilities
- autonomous working skills with an aptitude for team work
- a fluency in French and English

### Offer

Supported by the European Green Deal, and accelerated by the governmental measures for the economic Covid-19 recovery, the aeronautical sector is in full transition towards a cleaner and more sustainable industry. By joining Cenaero, you'll have the opportunity to take part in the challenging developments of the sector, in direct contact with its economic actors and experts. Cenaero offers you a competitive salary and the opportunity to develop yourself in a dynamic and stimulating environment. We believe our co-workers are the source of our success. We care for the personal development of our collaborators and seek to make them harmoniously progress.

### Contact

Motivated candidates are invited to send their CV and motivation letter to [rh\\_be-jo-2022-008@cenaero.be](mailto:rh_be-jo-2022-008@cenaero.be) and to mention the job offer reference.