

R&D Vibro-Acoustics Engineer

Meyreuil, France (Aix-Marseille Area)

You will be working at the core of the active noise control technology for glass facades. You will be performing R&D to improve the active noise control from any angle possible. You will design and perform your own experiments and prototypes while also being a source of knowledge within the company for other engineers. You will work in a small and multidisciplinary team of passionate engineers in order to tackle the problem of noise pollution.

Job responsibilities

- Design and implementation of theoretical and numerical models describing the acoustic and vibratory behavior of structures.
- Optimizing and improving the active noise control algorithms through simulation, experiments and prototyping.
- Research and develop scaling solutions for differing sizes of windows and glazings.
- Improve the technology through understanding of the noise control process, from window vibration modes to distortion in the acquisition.
- Acting as a source of knowledge within the company to provide assistance to projects where needed.
- Collaborating with a multidisciplinary team of engineers on a variety of projects.

Skills

- You have excellent sound and vibration modelling skills, including familiarity with sound and vibration modelling software
- You have strong problem-solving skills that lead to both logical and creative solutions.
- You have affinity with working in a team and you are able to work collaboratively on projects.
- You have strong analytical skills and the ability to collate and analyse data
- You are proactive, you take initiative when necessary to ensure we are as far ahead as we can be
- You have strong organization, planning and time management skills
- You have a personal sense of ownership: you hold yourself accountable to achieving goals and standards
- You have excellent written and verbal skills

Education & experience

- MSc. or PhD in Acoustics or a relevant field
- 4+ years of experience in acoustics, preferably in active noise control.
- Intrinsically motivated and purpose driven
- You have working experience with describing the acoustic and vibratory behavior of structures.
- You have working experience optimizing and improving the active noise control algorithms through simulation, experiments and prototyping.
- Full professional proficiency in English

About DeNoize

For the continued development of active noise control on glass facades, DeNoize is looking for multiple talented and intrinsically motivated engineers. At DeNoize we are driven by purpose and inspired by the exciting tech we create. DeNoize is a rapidly expanding high-tech startup based in Delft, The Netherlands and Meyreuil, France. Our co-founders, Aman Jindal & Olivier Schevin founded DeNoize with a mission to tackle noise pollution in urban environments and enable the future of real-estate with higher comfort and healthier living areas and environment.

DeNoize is a smart window technology that transforms any glass facade into a noise-cancelling system, offering up to 90% reduction against the outdoor noise. The smart facade can sense, filter and amplify sounds based on user preferences, building a customized indoor environment for homes and offices. At DeNoize, you will work on cutting-edge technologies together with a bunch of passionate engineers, entrepreneurs, and designers, but with a single goal to have a positive impact on our society.

Working at DeNoize means that each member plays a large and important role within a small but close-knit team. The learning process is unique and enhanced by the diversity of the team. We encourage everyone to explore their creative side, and empower our team to do so by giving them the responsibility and authority to make decisions.

Permanent contract (full-time) based in Meyreuil, France, starting as soon as possible.