

**As one of the world's leading players in the sector of power generation plants and components Ansaldo Energia is a full-cycle integrated operator with the capabilities to build turnkey power plants - using its own technology and its own independent design, production, construction, commissioning & service resources.**

**Strengthen our team in Switzerland (Baden) with your expertise & experience as**

## **Thermoacoustics Specialist (m/f)**

**As a Thermoacoustics Specialist within the Combustor Testing & Tuning team, you will be responsible for the development, implementation and validation of numerical, analytical and experimental methods for combustion dynamics characterization and mitigation.**

### **Your tasks**

Develop state of the art thermoacoustics and signal processing tools for optimization and innovation of our combustion systems. • Support combustion system validation from rig up to engine level. • Develop cutting-edge pulsation prediction models and methods to support engine upgrade development programs. • Provide thermoacoustics expertise and support for engine commissioning and operation.

### **Your profile**

You hold a PhD qualification in an area related to fluid dynamics, applied mathematics, acoustics or combustion. Preferably, you have a solid background in low-order network models, stochastic models and reheat flame dynamics modelling. Strong programming skills are required (Python, Matlab, Simulink). Hands-on experience of machine learning and data assimilation techniques is highly beneficial. Taking on responsibility while working independently and systematically is essential for your success. You are available to go on business trips (within Europe) approximately once every quarter. A reliable, open-minded and solution-oriented individual with strong communication skills and a positive attitude to teamwork completes your personal profile.

### **Your benefit with us**

Working with passionate people • Participating in environmental sustainability • Challenging work • Attractive and exciting products • Interaction with international colleagues • Flexible working conditions • Place of work in a beautiful small Swiss city rich in culture and history in the heart of Switzerland, close to the metropolises like Zurich and Basel. If you are interested in a future-oriented company, take the chance and provide us with your complete application documents (motivation letter and CV in English, diplomas/certificates, reference letters from former employers and a copy of your work permit). Please note that only applications containing all required documents will be considered.

For any questions please contact us at [jobs@ansaldoenergia.com](mailto:jobs@ansaldoenergia.com)