

Experienced rotating machinery engineer

ENERTIME

Created in 2008, Enertime is a young innovative industrial company in the renewable energy and energy efficiency market, with the aim of deploying innovative technologies to help actively save energy in industry and produce energy without CO2 emissions by:

Design, manufacture, and implementation of energy production systems from renewable heat sources (biomass, industrial waste heat, geothermal, solar) using Organic Rankine Cycle (ORC) machines and industrial heat pumps (HP) technology

The design and manufacture of specific turbomachinery and innovation in thermodynamics applied to energy efficiency and renewable energies.

The financing and implementation of these technologies as a service through dedicated energy service subsidiaries. We operate in Metropolitan France, continental Europe, DROMs, Africa and Asia, and aim to eventually achieve most of our turnover abroad.

Joining us is:

- Put your skills at the service of the energy transition
- Integrate a young, dynamic, and cosmopolitan team
- Integrate a human-sized structure (about thirty employees in total)

The position

The rotating machinery engineer will be responsible for carrying out and coordinating the design studies of one or more turbomachinery (axial turbines or centrifugal compressors). He will report to the Head of the Turbomachinery Department.

In particular, he will be responsible for:

- Realization of mechanical sizing studies of turbomachinery
- Verification and validation of CAD models and drawings produced by the team
- Prepare the technical specifications and requisitions of the equipment you will be responsible for (mechanical seals, hydrodynamic bearings, gearboxes, couplings, lubrication unit, ...) for the preparation of calls for tenders and orders
- Technically analyze vendor offerings with support from other disciplines
- Conduct technical clarification meetings with suppliers
- Monitor the technical execution of the equipment order through the review of supplier documentation
- Trace technical choices, capitalize on feedback and ensure the updating of procedures and standards in your field
- Provide technical support during the resolution of technical incidents encountered during the start-up or operation phase

The candidate

With a background in mechanical engineering or generalist, you have 5 to 10 years' experience in a rotating machine manufacturer (preferably axial turbines or centrifugal compressors) or in a rotating machinery department of engineering company or operator.

Regarding the skills and technical knowledge that will make it possible to be operational, it is expected:

- Knowledge of mechanics, thermodynamics, and aerodynamics.
- Mastery of the codes and regulations of his discipline (API612, API617, DESP),
- Ability to supervise a team of designers
- Load organization and planning
- Good command of CAD software (Solidworks preferred)
- Mastery of a finite element calculation software appreciated (ANSYS preferred)
- Skills in functional planning and rating
- Be able to write deliverables in English

Expertise on one of the following points will be particularly appreciated:

- Design and method for assembling axial turbine blades
- Calculation of axial turbine blades
- Integration of Active Magnetic Bearings (PMA) and generators / high speed motors in turbines / hermetic compressors (oil-free, seal-less)
- Centrifugal compressor control (anti surge system)

The person who will join us will be autonomous on his projects and must have already proven organizational and prioritization skills.

Conditions of employment

The position is in Courbevoie 92400 on a permanent contract and will require some travels in France and abroad.

To apply please:

- Submit your CV to sophie.dugue@enertime.com
- Present in a few lines your motivations and your assets to meet the requirements of this position