

Thermal Process Engineer

Enertime is a young, innovative industrial SME in the renewable and recovery energy (RRE) and energy efficiency (EE) sectors. The company's mission is to design, manufacture, and implement machines and projects that achieve significant energy savings in industry and produce energy without CO2 emissions:

- ORC Systems (Organic Rankine Cycle Machines) for industrial heat recovery projects (flue gases, excess heat, etc.) and renewable electricity generation (geothermal, biomass, solar).
- Heat Pumps (3 to >10 MW) for industry and district heating networks using low-temperature resources (waste heat, greywater, geothermal, refrigeration networks).
- Special turbomachinery and innovation in thermodynamics applied to energy efficiency and RRE (gas expansion, cryogenics, H2, thermal storage, CO2 Brayton cycles).
- Financing and implementation of these technologies through energy sales via dedicated energy service subsidiaries.

Enertime is a young, innovative, and international company: 45 employees, 60% engineers, 15% R&D, >10 nationalities, and highly active internationally. We operate in France, continental Europe, overseas territories, Asia, the Americas, and Africa, with the ambition of eventually generating the majority of our revenue abroad. Joining us means:

- Applying your skills to the energy transition.
- Contributing ideas and participating in the technical development of the company's offerings.
- Joining a young, dynamic, and cosmopolitan team.
- Being part of a human-sized structure.
- Joining a company experiencing significant growth in an expanding market.

Job description

Enertime is seeking to recruit a thermal process engineer to strengthen its engineering team. Reporting to the engineering manager and working closely with project teams, the engineer will be responsible for the technical implementation of the process part of projects:

- Participating in pre-sales studies (sizing of thermodynamic cycles, preliminary P&IDs...)
- Developing process diagrams (PFDs, P&IDs)
- Pre-sizing of thermal and process equipment (heat exchangers, pumps, valves, etc.)
- Drafting technical specifications
- Analyzing supplier offers and providing technical oversight of equipment fabrication
- Preparing calculation notes and drafting project-specific technical notes (sizing notes, operating notes, interface notes...)
- Drafting detailed functional analyses for the development of automation programs

- Monitoring the mechanical team for the establishment of the layout.
- Participation in the establishment of regulatory files (pressure equipment, ATEX...), manufacturer's dossier, operation, and maintenance manuals for the machinery.

The study engineer will also be involved in the commissioning of installations:

- Drafting startup, shutdown, and control procedures for the installations.
- Conducting startup tests (on-site or remotely - occasional international travel may be required).
- Analyzing machine performance during operation.

He/She will also contribute to the continuous improvement of designs and internal tools, standard documents, etc.

Profile sought:

You are motivated by renewable energies and energy efficiency with a rigorous approach to technical issues. You have a strong interest in the industrial sector. You want to join a dynamic SME and leverage your skills to contribute to the growth of a startup into an international ETI, with the ambition of becoming a global leader in its field.

You are autonomous, rigorous, proactive, with good writing and interpersonal skills. You have a critical mind and good synthesis skills.

Required qualifications: engineering degree or university degree at BAC+5 level with ideally one or more years of experience. The following knowledge and skills are required:

- Fluent French and English required. Mastery of other languages and international experience are highly appreciated.
- Knowledge in thermodynamics.
- Knowledge of thermal equipment (heat exchangers) and processes.
- Experience in the industry and energy sector is appreciated.
- Programming language and tools (Python, VBA, Excel) would be a plus.
- Specialized process software (Aspen EDR, HTRI, etc.) would be a plus.

Application

Candidates are requested to send a cover letter relevant to the position and a CV to the email address below: job@enertime.com

Or directly apply: <https://enertime.clearecruite.com/nouveau-candidat-check-abonne?offre=11>