

Interested in this position? Please send your application to: [daniel.gabay@yer.nl](mailto:daniel.gabay@yer.nl)

## **PROCESS & SYSTEMS ENGINEER**

### **Are you ready to Power Up your Career?**

Thomassen Energy (TEN) is the leading provider of aftermarket service and solutions to the gas turbine-focused energy industry. Thomassen Energy is part of the South Korean Hanwha group of companies, and has a strategic focus on zero carbon emissions solutions.

Working at Thomassen Energy means working in a positive working atmosphere with good working conditions. We offer a sustainable career with an eye for your personal development, and in which growth is possible within the various disciplines of the organization. We coordinate the needs of the organization and the wishes of the employee as much as possible. Internal and external training can be part of this and every employee has an annual training budget for this.

Thomassen Energy has a collegian working atmosphere where colleagues help and challenge each other. Together we work on the organizational goals and where necessary, we are flexible in our efforts to satisfy our customer.

Thomassen Energy is ready for the future and playing a significant role within the energy transition, partnering up with business partners fully dedicated to deliver High Hydrogen Gas Turbine Retrofits within the very near future.

### **Would you like to be part of this transition?**

#### **OBJECTIVE OF THE POSITION**

Thomassen Energy is on the leading edge of the energy transition with innovative low carbon solutions. High hydrogen capable systems (including integration of production and delivery) are critical to success. Our process/system engineer effectively leads the process/systems/integration side of projects and manage the technical support to all the other departments on process and systems subjects, fulfilling the company targets in terms of technical performances, future growth, budget, quality and schedule.

#### **PRIMARY RESPONSIBILITIES**

The essential responsibilities of the job include, but are not limited to:

- Ensuring planned engineering (process) progress with respect to the engineering deliverables for tenders (as required) and awarded projects, process engineering planning & scheduling, preparation of progress reports, manpower & resource forecasts, time schedules of engineers, utilization of resources effectively & efficiently.
- Process design & detail engineering including performing process simulations, design calculations, process optimization, sizing & selection of equipment's etc. for tenders (as required) and for awarded projects. Review of clients tender documents, specifications, datasheets, verification of FEED design & calculations.
- Preparation of various engineering deliverables (drawings & documents) such as process flow diagrams, P & I diagrams, process datasheets, equipment specifications, cause & effect diagrams, control philosophies, shutdown philosophies, HAZOP Studies & reports, operation & maintenance manuals etc. and providing necessary engineering inputs to the other disciplines and other departments.
- Follow a strict gated design procedure.
- Support sourcing, manufacturing and qualification processes to ensure the procurement of products within the quality and level of performance set forth by the project specification.
- Support planning, sourcing and project engineering to ensure timely delivery of components meeting program and company objectives.
- To ensure proper division of work & responsibility among the process engineers, providing proper guidance & integration of work done, ensuring good, positive & healthy working nature among the team of engineers to ensure optimum productivity & efficiency.
- Preparation & Issue of RFQ's, evaluation of vendor's quotations, clarifications, technical bid analysis etc.
- Review of vendor's documents, drawings, datasheets, specifications and calculations.
- Must be able to travel up to 50% of time on very short notice during peak outage seasons (6 months of the year), including international. Annual weighted travel up to 30% of time
- Other duties as assigned.

## **SPECIFIC TASKS**

- Basic & detail design engineering activities for the assigned project(s) in power plants focusing on gas handling for gas turbines in existing installations; connecting and integrating.
- Activity planning, work scheduling, assigning responsibilities to engineers & draftsmen, and monitoring to meet the project schedule with resource optimization.
- Preparation / review of PFD, P&ID's, project specific specifications, design

- calculation / analysis, procurement specification.
- Prepare, lead and summarize project meetings; organize, chair and evaluate design reviews.
- Create, lead and/or deliver presentations to internal and external clients.
- Support and maintain technical databases.
- Interface with other disciplines, user departments and clients.
- Estimation / engineering work related to bids
- Writing technical specifications, engineering reports.
- Properly account for the hours spent on specific tasks and projects.
- Provide support to fellow team members creating an atmosphere where everyone will strive for the maximum results

## **COMPETENCES**

### Education:

- B.Sc. / M.Sc. Chemical engineering with an emphasis on process and gas handling plant design

### Additional Training

- Project Management
- Proficient in English

### Experience

- Minimum 5 years in Oil & Gas / Petrochemical Design Engineering (with minimum 3 years experience in Oil & Gas industry, in consulting OR EPC company with Design & Engineering capability)
- Experience in gas handling, H<sub>2</sub>, LNG, NH<sub>3</sub> is an advantage
- Software Skills: Hands on experience in software such as HYSYS, PIPENET, PIPEPHASE, FLARENET
- Standards: Conversant with the Engineering Standards such as API, NFPA, ASME, BS/EN, ISO

### Personal skills

- Flexible and adaptable
- Self-starter, self-motivated and proactive
- Able to work and deliver under pressure, ability to set and follow priorities.
- Welcome technical challenges, strive and endeavor to provide the solution
- Curious, willing to challenge the status quo and propose disruptive solutions
- Excellent communication skills; able to communicate in English with fellow engineers, suppliers, sales, customer, shop operator and inspector and internal support organization.
- Team player and emphatic; active supporter of fellow team members.