

## **Job Description**

Zuccato Energia is looking for a Turbine Design Engineer to design from scratch turbine components and sub-assemblies as well as to select the required auxiliary equipment. Turbine Design Engineer will be a part of R&D team of Zuccato Energia and will be involved in design and implementation activities for both new company products and older projects' upgrades.

For this role we would highly appreciate the candidates with previous experience in the design of a high-speed rotating equipment. Apart from this, a working experience in small companies and start-ups is highly meritorious.

### **As a Turbomachinery Design Engineer, you will be responsible for:**

- Design turbogenerator for ORC/turboexpander/steam turbine application
- CFD design and simulation
- Thermodynamic cycle simulation in the suitable software (excel/python/or any others)
- Selection of the standard components and required auxiliary equipment
- Making technical decisions based on your knowledge to ensure the reliability of the design
- Mechanical design of turbomachinery units and their sub-assemblies
- Supervision of the turbogenerator drawings

## **Your profile**

### ***Required***

- Master's degree in mechanical engineering
- 3 years minimum of experience as Mechanical Engineer in, preferably, Turbomachinery / Aerospace engineering or with similar high-speed rotating equipment
- Working with ANSYS and CAD software as Solidworks, Inventor, Siemens NX, Catia or similar
- Experience in the preparation of drawings, bills of materials, following up the manufacturing
- Knowledge in the material selection

### ***Preferred***

- Experience in the structural analysis
- Advanced English skills

### ***Skills, capabilities, Competencies:***

- Excellent organizational skills and problem-solving attitude are required.
- Self-motivated

## **About Us:**

Zuccato Energia is a leading company in the design, manufacture and maintenance of Organic Rankine Cycle (ORC) turbines. Zuccato Energia has about 50 modules installed all over the world. Our ORC systems during 10 years efficiently transform the heat generated by industrial processes in a source of clean electric power.

We believe that efficiency is at the heart of a sustainable and profitable worldwide economy. Waste energy from industry, biomass and engines can – and must – be exploited to produce benefits for both the environment and the economy. We're looking for the right people to support our technology in ORC market and participate in developing of the company.