

MECHANICAL ENGINEERING LEAD

PyroGenesis Canada is a technology company that designs and manufactures plasma waste-to-energy systems and plasma torch products. PyroGenesis has among its clients the department of defence and industrial customers that are using its technology in marine and land-based applications. In addition, the company works with industrial clients to develop and adapt new processes for improved performance through lab and large scale piloting efforts.

The Mechanical Engineering Lead manages the mechanical design engineering team. More specifically, this person is also responsible for:

- Providing leadership to the department to achieve the required corporate and project objectives
- Ensuring adequate technical competencies are maintained and developed in the team and planning for future resource requirements
- Planning and controlling departmental resources and budgets. Define departmental objectives
- Planning and controlling departmental tasks
- Ensuring timely preparation of design packages and fabrication specifications required for project execution
- Developing 3D models and designs for various equipment complying with customer's requirements and specifications as well as all applicable standards and regulations
- Supervision, verification and approval of the work of team members (design engineers, junior engineers, drafters)
- Performing choice of materials, dimensioning of parts, stress analysis, choice of components, as required
- Evaluating the risks involved in a particular design and developing of alternative concepts
- Following-up on production/fabrication activities and providing support for problem solving
- Develop conceptual designs for the business development team
- Defining the work steps, scheduling the deliverables and supervising drafting personnel for the preparation of the detailed drawings
- Perform other duties as required by the immediate supervisor and for which the person is qualified

Education & Qualifications:

- Bachelor's Degree in Mechanical Engineering
- In depth knowledge of AutoDesk Inventor, MS Office software
- Member of l'Ordre des Ingénieurs du Québec
- Experience in the design of large equipment from the process industry (towers, columns, reactors, furnaces)
- Creative, self-starter
- Bilingual (written and spoken French & English)

Experience:

- Minimum 10 years of relevant experience