

SENIOR MECHANICAL PROCESS ENGINEER

Place of work: Chiasso, Switzerland.

Full-time

About Us

At gr3n, we developed an innovative process, based on the application of microwave technology to alkaline hydrolysis, which provides an economically viable recycling process of Polyethylene Terephthalate (PET). This new process can potentially change how PET is recycled worldwide, with huge benefits for all the stakeholders: We consider polymers as a source, and as an alternative to producing monomers and then again polymers, towards an effective circularity: are you ready for a paradigm shift?

Joining us, you'll enjoy the freedom to dream big and do something that can have an impact. We are a research oriented company, and our R&D is the driving force for all the activities: just with a scientific approach we can solve the plastic waste issue!

Your role

As a **Senior Mechanical Process Engineer**, you will have to deal with the design and development of equipment's aimed at the production of monomers from chemical recycling, and the use of them to produce new polymers.

More specifically, you will

- Supervise and lead the production of engineering designs, drawings, details and specifications from concept to final design for tender and contract packages
- Coordinate all aspects of the process mechanical design including being responsible for the design
- Lead execution of new and existing projects
- Ensure timely completion of project deliverables, be able to handle several projects at once and determine priorities, including demonstrating sound judgement and decisiveness
- Use of applicable codes and standards in the design of pressure vessels, process tanks, process piping and pumping systems
- Perform hydraulics calculations and stress analyses of critical piping systems for chemical process plants
- Develop specifications for procurement of pumps, piping, compressors, blowers, material handling, and industrial ventilation systems
- Complete designs following budget and schedule
- Develop and implement QA/QC processes for project work
- Mentor and develop junior and intermediate staff
- Communicate and work with other project team members to provide quality service to clients to ensure that all documentation conforms to client/company standards
- Provide construction support, including review of submittals and requests for information
- Represent Gr3n at client meetings when required

Who we're looking for

- Bachelor's and/or Master's degree in Mechanical Engineering

- 5 years of process mechanical design experience including pressurized reactors, heat exchangers, expanders and pumps;
- Strong design abilities in solid body mechanics, thermal fluid science and dynamics of rotating equipment
- Demonstrated experience in process design delivery for larger, multi-discipline projects
- Strong problem solving and decision-making abilities;
- Strong written and verbal communication with ability to work both independently and in a team
- Experience managing multiple tasks while maintaining a high degree of attention to detail
- The profile is completed by characteristics of flexibility, resourcefulness and by relational and communicative skills
- Willing to travel to Europe for technical meetings and commissioning/start-up activities.

What we offer

Our success depends on our talented employees who come to work here every single day with the idea to do something important, that can really change the world.

Join gr3n and you too can

- Be part of an inclusive, diverse culture, where everyone's contribution is respected.
- Seize the freedom to define your own approach: we cannot obtain great results if you are not ready to take risks, experiment and explore.
- Take pride in eliminating plastic waste issues on a global scale

How to apply: send your CV to career@gr3n-recycling.com