

CHEMICAL 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 **Chemical Engineer**, you will have to deal with the design and development of chemical manufacturing processes aimed at the production of monomers from chemical recycling, and the use of them to produce new polymers.

More specifically, you will

- Coordinate and supervise the engineering activities related to the industrialization of gr3n's chemical recycling process;
- Support the Basic engineering (BFD, PFD, P&ID, H&MB, etc.) of gr3n's chemical recycling plant, in particular for the company's core depolymerization package;
- Prepare of Material Requisitions for packages and special items
- Prepare Erection requisitions for mechanical works
- Prepare of Hazardous Area Classification drawings and reports
- Perform continuous analysis identifying areas for improvement and corrective actions;
- Develop enhanced control processes and new operating procedures;
- Interactions with suppliers and third-party engineering companies;
- Create and maintain knowledge of latest technologies and evaluate for use in current process and future processes
- Provide technical guidance during development, construction and start-up to enhance in-plant resource capabilities
- Commissioning and start-up of first industrial plants at customer's plant site

Who we're looking for

- Master's degree or PhD in: Chemical or Process Engineering;
- Fundamental understanding of chemistry and process engineering, to supervise the process of conceptual design and implementation of gr3n's innovative process;
- Practical Knowledge of P&ID design, control philosophy design, chemical process simulation (e.g Aspen);

- Ability to supervise/lead individuals or a project team to achieve milestones and objectives by setting priorities and providing direction;
- Demonstrated problem solving skills including complex data analysis
- Experience with complex DOE for process improvement;
- Practical sense and openness to innovation;
- Excellent knowledge of English;
- Willingness to face development and testing of plants in pilot and industrial environments;
- The profile is completed by characteristics of flexibility, resourcefulness and by relational and communicative skills
- Willing to travel in Europe for technical meetings and commissioning/start-up activities.

Better if you also have

- 2-5 years of specific experience as Process Engineer in engineering companies operating in the chemical industry;
- Project management skills
- Strong aptitude for team-working;
- Ability to work independently together with external parties as well as ability to work in team with direct colleagues
- Excellent analytical and design skills;
- Work experience in an international context

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