

# MECHATRONICS AND AUTOMATION 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 **Mechatronics and automation Engineer**, you will have to deal with the creation of equipment and automated systems that are made up of several components (e.g. mechanical system, control systems, sensing and actuation and intelligent software), aimed at the production of monomers from chemical recycling, and the use of them to produce new polymers.

## More specifically, you will

- Support to the conception, design, prototyping and construction of gr3n's machines and production systems;
- Mechanical and electric engineering of components and subsystems; Create detailed drawings or/and implement changes to existing designs
- Interact with suppliers and third-party engineering companies;
- Develop test setups, but also conduct tests and iteratively improving design;
- Physically inspect, evaluate and troubleshoot mechanical hardware issues;
- Integrate mechanical and electronic components to fully assemble prototypes;
- Supervise commissioning at pilot and industrial scale;

## Who we're looking for

- Master's degree or PhD in: Mechanical Engineering or Automation Engineering or Aerospace Engineering or Mechatronics Engineering
- Fundamental understanding of mechanical, electrical, process and control engineering;
- Practical Knowledge of CAD software (e.g. Creo Parametric), CAM software, structural analysis software (e.g. Ansys), control software (e.g. Matlab);
- Analytical and critical thinking;
- Practical sense and openness to innovation;
- Excellent knowledge of English;
- Willingness to face development and testing of plants in industrial environments;
- Willing to travel in Europe for technical meetings and commissioning/start-up activities;
- The profile is completed by characteristics of flexibility, resourcefulness and by relational and communicative skills.

### Better if you also have

- ✓ At least 3 years of industrial research and development experience;
- ✓ Experience in the field of production system engineering and manufacturing;
- ✓ Project management skills;
- ✓ Strong team-working attitude;
- ✓ Ability to work independently together with external parties as well as 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 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](mailto:career@gr3n-recycling.com)