



Engineer Recycling Pilot (H/F/X)

CRM Group offers R&D and technological solutions to its numerous industrial members, focusing on process and product developments and their applications from an innovation and value creation perspective. To do this, we rely on our state-of-the-art facilities and the diversity of our 270 talents of more than 15 different nationalities. CRM Group's activities and expertise cover the entire value chain of metals and related materials, including the reuse or recycling of end-of-life products.

In this context, CRMGroup is looking to hire an industrial engineer in electromechanics or materials science for its Sart-Tilman and Engis sites.

CONTEXT

In the field of Recycling Processes, CRM Group has developed over the last ten years a recognised upscaling capability based on specific expertise and lab- & pilot-scale infrastructure. On its Sart-Tilman site, different kinds of secondary raw materials or end-of-life products, like permanent magnets or shredded batteries, may be processed to recover metals for the benefit of the regional or EU economy, in sectors like metallurgy, manufacturing or renewable energy production. Processing steps concern a.o. demagnetisation, distillation under vacuum, agglomeration, remelting and smelting reduction. CRM Group is currently expanding its pilot-scale infrastructure by the erection of a unique plasma furnace prototype on the industrial site of Hydrométal in Engis, more specifically devoted to the recovery of Critical Metals essential to the Digital and Energy Transitions.

RESPONSABILITIES

Within the Unit "Metal Production & Recycling",

- you will be involved in studies and projects dealing with the recycling of metal bearing by-products and end-of-life products through innovative pyrometallurgical techniques after appropriate smart pre-conditioning;
- you will also contribute in the recyclability aspects of more transversal projects dealing with the design of new solutions for the energy transition (e.g. innovative battery or fuel cell components production).
- you will be in charge of lab- and pilot-scale test work, including the needed equipment adaptations in autonomy or in collaboration with the Engineering Dpt, maintenance and safety plans, planning and management of trials, reporting and presentation of test results to clients.

Profile

- You have a master's degree in engineering (electromechanical, chemical, materials)
- If possible, you have previous experience in engineering, mineral processing, metal recycling, high temperature processes, environmental legislation, VCA certificate or equivalent.
- You are creative and proactive, which makes you a real problem solver;
- You are a good team player, with the necessary listening and communication skills;
- You are fluent in French and English;

Application

Application & CV must be sent by email at job@crmgroup.be

More info about CRM Group : www.crmgroup.be

<https://www.linkedin.com/company/crmgroup/>