

OUR DNA

"Innovation, Industrial solutions and a Vision for the future are the watchwords of the 270 employees of the Centre for Metallurgical Research. Since 1948, the CRM Group has been supporting its customers from the creation of ideas to the implementation of innovative solutions by responding to their industrial challenges, whether economic, societal or environmental."

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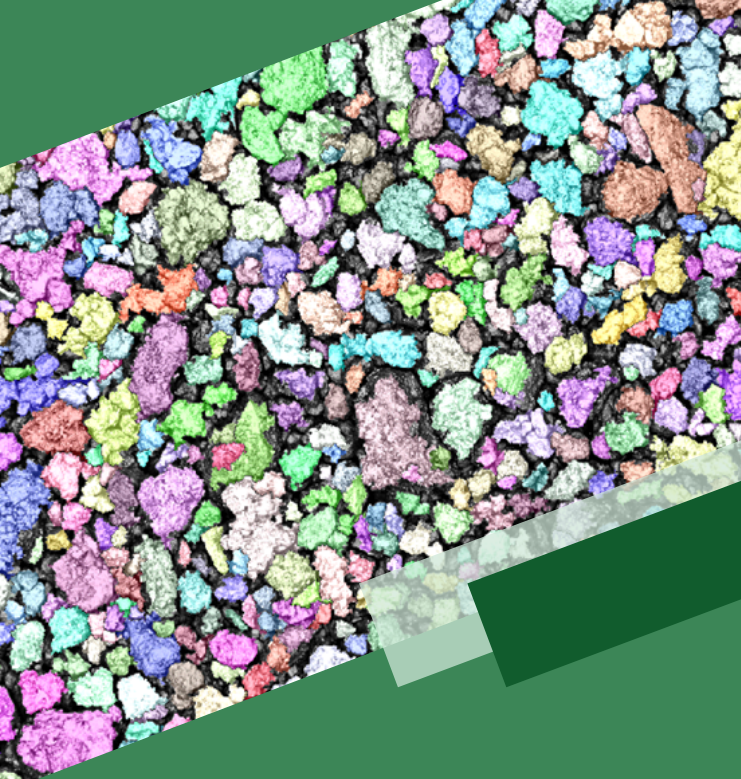


www.crmgroup.be



CIRCULAR ECONOMY AND RECYCLING OF METALS

EFFICIENT PROCESSES, OPTIMAL USE
OF RESOURCES, CLOSING THE LOOP



KEY BENEFITS

We offer a broad experience in metals & associated materials. We combine product, process & application approaches from lab scale over pilot lines to industrialization thanks to a wide range of key enabling technologies for converting industrial or post-consumer waste streams into secondary raw materials able to feed the metallurgical and manufacturing industry. We embrace the multi-sectorial approach & cross-pollination crucial for any circularity oriented project.

Our main partners

JGI Hydrometal, Comet Group, Suez Veolia-Revatech, Aperam, Marechal-Ketin Höganäs, Fiven, Equans, Diarotech Westinghouse, ArcelorMittal, Tata Steel

OUR DEVELOPMENTS

CLOSING THE LOOP

Laboratory, pilot and industrial scale developments ensure efficient metal use, natural resources preservation, zero land filling and reduced energy consumption. Our developments close the loop and contribute to low carbon society.



DIGITALIZATION & TWINS

Integration of online measurements, big data analysis of complex processes through implementation of sensors and AI, integrated models and digital twins



NEW PRODUCTS & ENERGY

Transformation of EoL products like WEEE, batteries, solar panels to new upcycled metals for advanced applications, combined processes for recovery of metals and energy



NETWORK & COLLABORATION

Through active participation in Reverse Metallurgy, Win4C, Flanders Metals Valley, EIT Raw Materials & ESTEP

INNOVATION

By combining knowledge and assets in 5 technological platforms oriented towards advanced manufacturing, circularity, digitalisation, construction and energy shift, our innovations reach beyond the metal industry and have potential for almost any sector using critical raw materials. Guiding industrial partners to material and energy efficient solutions is one of the key drivers of our innovation strategy for a better future.

