



The PLATIRUS project

PLATIRUS, funded by the EU in the frame of Horizon 2020 TOPIC SC5-13-2016 Grant Agreement number 730224, aims at reducing the European deficit of Platinum Group Metals (PGMs), by upscaling to industrial relevant levels a novel cost-efficient and miniaturized PGMs recovery and raw material production process.

The targeted secondary raw materials will be auto catalysts, electronic waste (WEEE) and tailings and slags from nickel and copper smelters, opening-up an important range of alternative sources of these critical raw materials, with the potential to substitute a large amount of primary raw materials which are becoming more and scarcer in Europe.

Website launch on February 1st 2017

PNO Innovation has launched the PLATIRUS website on February 1st 2017. www.platirus.eu will be updated frequently with news concerning the PLATIRUS project.

Partners released the first batch samples and shipped pre-processed auto catalysts

The partners Boliden Harjavalta and MONOLITHOS have submitted the first deliverables. Boliden Harjavalta delivered the first batch of samples to the partners and MONOLITHOS shipped the first batch of pre-processed auto catalysts to R&I partners. The first two batches (feedstocks) have already been produced and the desired quantities have been delivered to R&I partners. More than 70kg of the "Reference Batch" have been stored for future needs and WP6 studies. Additionally, the Coordinator Tecnalia collected 40kg of category 3 and 4 electronic waste: WEEE will be shredded into micro particles and delivered to R&D partners.



Who are the involved partners and what is their expertise?



TECNALIA Research & Innovation is the first RTO in Spain and one of the most important in Europe. It gets ahead of future challenges by turning

technology-based business opportunities into competitive advantages. The PLATIRUS project is carried out by the Energy and Environmental Division, where more than 250 people are focused on the development of technologies, products and tools for a rational and sustainable use of energy aiming at clean generation sources and future energy carriers.



Founded in 2000 in Athens, MONOLITHOS has a fifteen year experience manufacturing/regenerating/recycling of catalytic converters. Nowadays, MONOLITHOS possesses a cost-effective logistics optimized collection network for spent catalytic converters.



KU Leuven is the largest university in Belgium. The university's basic research orientation has always been and will remain fundamental research. KU Leuven conducts fundamental and applied research in all academic disciplines with a clear international orientation.



Founded in 1815 as "K. K. Polytechnisches Institut", TU Wien is Austria's largest technical and scientific university and covers the classic engineering disciplines. As a university of technology, TU Wien covers a wide spectrum – from abstract pure research and the fundamental principles of science, to applied technological research and partnership with industry.



VITO is a leading European independent research and technology organization in the areas of cleantech and sustainable development, elaborating solutions for the large societal challenges of today. VITO provides innovative and high-quality solutions, whereby large and small companies can gain a competitive advantage, and advises industry and governments on determining their policy for the future.



SINTEF is the largest independent contract research organization in Scandinavia and the 4th largest in Europe. SINTEF Materials and Chemistry, which is the department involved in PLATIRUS project, works closely with industry in development of advanced materials, products, processes and new tools, and seeks out new, environmentally friendly processing methods that will increase productivity and raise quality standards.



Centro Ricerche Fiat (CRF), founded in 1978, has the mission to develop and transfer innovative products, processes and methodologies. Also through the cooperation with a pan-European global network of more than 1800 partners from industry and academia, CRF conducts collaborative research initiatives concerned with sustainable mobility, targeting specifically the industrial exploitation of research.



Ford Otosan, a joint venture of Ford of Europe and Koc Group, is the leading automotive OEM in Turkey. Ford Otosan is the largest R&D center of the Turkish automotive industry, and the 3rd largest R&D center of Ford Motor Company. It aims at developing advanced technologies and products.



Boliden Harjavalta smelts copper and nickel concentrates and refines copper. The main products are copper cathodes, nickel matte, gold and silver, as well as sulphuric acid as a by-product. Boliden Harjavalta is part of Boliden Group.

Boliden is a leading metals company with a commitment to sustainable development. The company's core competence is within the fields of exploration, mining, smelting and metals recycling.



Johnson Matthey is a specialty chemicals company and a world leader in sustainable technologies. Johnson Matthey focuses on clean air, clean energy and low carbon technologies and it has a wide experience in recycling precious metals.



Env-Aqua Solutions Ltd is an SME specializing in industrial waste treatment and pollution control equipment and has been instrumental in the design, installation and promotion of waste minimization and resource recovery systems and programs with a global industrial client base.



PNO Innovation, part of the PNO Group, is specialized in Innovation Management and funding, providing support services to private and public organizations in Innovation processes, Technology Transfer, IT solutions and funding for research, development and innovation.