LIFE13 ENV/ES/000173 GREENZO

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Plasma technologies allow to valorise metallic waste

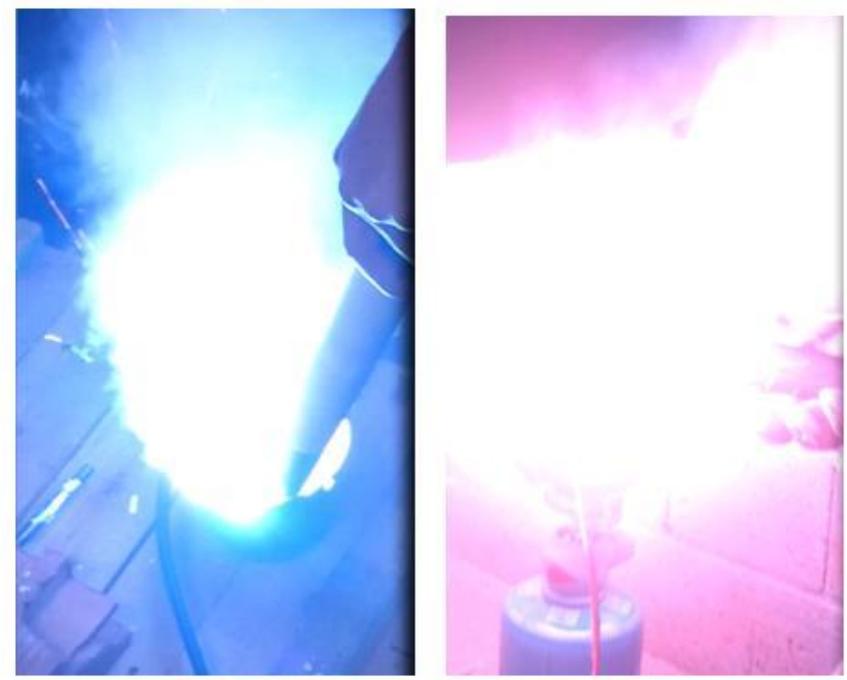

Figure 1 Laboratory tests carried out with a) Plasma and b) TIG

Among the multiple eco-friendly technologies for the valorisation of any kind of metallic waste, the LIFE+ GREENZO Project carries out some tests to obtain the voltaic arc with two different technologies; TIG (Tungsten Inert Gas) technology and plasma technology.

Preliminary tests carried out within the project have been determinant for the election of the technology that has shown a better performance, which will be used, as foreseen, in the development of the pre-industrial pilot plant, which is in phase of conceptual development.

With all these tests, the first conceptual diagram of the pilot plant has been drafted. What is most interesting about these results, additionally to determining the optimal technology for the pilot plant, is that those results can be transferred to the valorisation of any kind of metallic waste, what makes it still more appealing.

This project will be developed within 3 years, and it is funded by the European Commission through the LIFE13 ENV/ES/000173 GREENZO instrument. It is coordinated by AIJU; ITQ-CSIC, WORTEUROPE and CAUCHOS KAREY participate in this project.

Good practices in the chemical sector

According to GREENZO Website, a multinational devoted to the worldwide manufacturing, provision and distribution of chemical products, has shown big interest in the project and in an active collaboration in a further stage of the project.

This collaboration will allow the interchange of good practices, the creation of synergies and opportunities with large global deployment and, in this specific case, to ensure the sustainability of the results over time, their economical feasibility and the boosting of the exploitation of the results of the project by using the distribution channel already implemented.