

TECHNOLOGIES FOR A COMPLETE VALORIZATION OF COMPLEX MINERALS (VIMAC PROJECT)

PROJECT FACT SHEET

Call	Proyectos de Investigación y Desarrollo (PID)
Funding Entity	<p>Centro para el Desarrollo Tecnológico Industrial (CDTI)</p> 
Duration	2018 - 2020
Budget	946.405 €

DESCRIPTION

The overall objective of the project is to develop a **new generation of hydrometallurgical technologies** aimed at solving some of the main challenges that the sector of metal raw materials is facing today. These challenges, though of a different nature, affect to base metals, namely aluminum, lead, copper, zinc, tin and nickel, as to the so-called technology metals, which play a key role in strategic sectors of our economy (renewable energy, IT, automotive, aerospace, etc...).

Under this premise, the project focuses on the most critical operations of any hydrometallurgical process, i.e. **leaching and purification**, looking for technologies that will be able to retrieve the maximum economic value from polymetallic complex minerals.

A successful implementation to the results of the project will:

- Increase the existing feasible reserves of base metals globally and particularly Spanish and European reserves.
- Contribute to create a transparent market of minor technology metals ensuring the supply of these critical raw materials to European industry.
- Provide multi-metal refining processes, flexible and robust, adaptable to complex mineral raw materials.