

VALOMINE: Valorization of mine wastes for the development of building materials

by



The VALOMINE project aims to transform the mining waste of the partner Leon Ore into geopolymer components for pivotal uses, as the construction sector and fire-resistant materials. The pilot production of the materials will be developed with the precast conventional method by MNL T and will produce at least 10 m² of fire-resistant polymers, with at least 30% lower cost and 20% less CO₂ emissions comparing to conventional cement-based materials. Besides, there will be a valorisation of mining waste without any pre-treatment. The activities are in full alignment with the EU 2020 agenda which boosts the transition to a resource efficient, sustainable society. The VALOMINE project addresses the needs of the mining and construction sector since both sectors will take advantage of the outcomes.

Vertical sector addressed

- Mining and Raw Materials

Challenges tackled by SMEs

- Mine Waste
- Geopolymerization

Key actions addressed

- KA 4
- KA 5

MINE-Demo scheme

