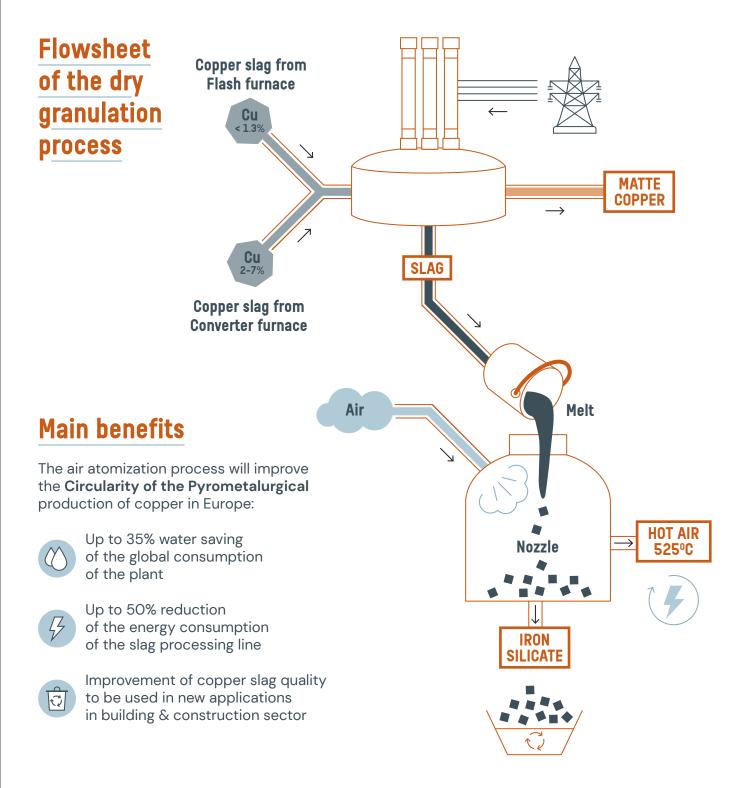
The Whisper project

The aim of WhISPER (Waterless Iron Silicate Production with Energy Recovery) is to develop a new iron silicate produced with the atomisation technology while evaluating and demonstrating the new properties of the material for improved commercial applications.

The project led by Atlantic Copper, will enable an optimal use of raw materials within Europe and will contribute to European Commission's current strategy on Circular Economy.



Timeline: from TRL 5 to 7

TRL 5: Preliminary test in a relevant environment

2015 - 2018

→ Preliminary feasability study in copper sector: slag granulation with air atomization technology

TRL 6: Technology demonstrated in a relevant environment

APRIL - OCTOBER 2019

→ Design of pilot plant (prototype)

NOVEMBER - DECEMBER 2019

→ Installation of the pilot plant

JANUARY – MARCH 2020

- → Test & operational perfomance analysis
- → Evaluation of most promising applications of iron sillicates in construction sector
- → Preliminary Go-To-Market Strategy
- → Description of new business models

TRL 7: System prototype demonstration in an operational environment

APRIL 2020 - APRIL 2021

- → Tests results and selected operational parameters
- → Selected target applications
- → Dissemination activities for master students in Advanced Material engineering

FINAL VALIDATION

- → Technical validation of the new pyrometalurgical system
- → Technical feasibility of heat recovery
- → Valorization of new building materials based on iron sillicates
- → Environmental impact assessment study
- → Life cycle costing analysis
- → Business plan & definitive Go-To-Market Strategy

INDUSTRIAL LEADER



CONSORTIUM MEMBERS



université BORDEAUX







UPSCALING PROJECT SUPPORTED BY

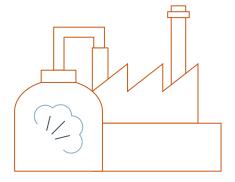


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Waterless Iron
Silicate
Production
with Energy
Recovery











NEW IRON SILICATE
PRODUCED WITH THE AIR
ATOMISATION TECHNOLOGY