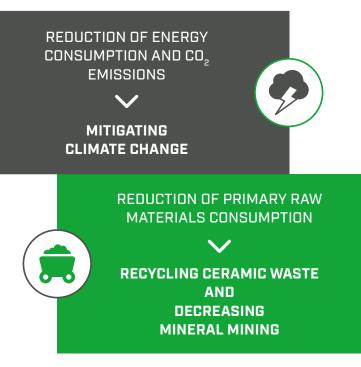
PROJECT OBJECTIVES

The RAPID DRY project aims to **optimise the DRYING PROCESS OF CERAMIC CAST PIECES** thanks to a



The project will also reduce **PRODUCTION COSTS**

- INCREASING THE COMPETITIVENESS
 of the European ceramic industry on
 international markets
- INCREASING THE EU CERAMIC INDUSTRY MARKET SHARE in the high-end segment, avoiding carbon leakage

LIFE RAPID DRY project



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28 MONTHS

2020/06/01 START

2022/09/30 END

LIFE19 CCM/IT/001243

IFE PROJECT

PARTNERS

www.setecsrl.it



www.lcengineering.eu





WITH THE CONTRIBUTION OF THE LIFE PROGRAMME OF THE EUROPEAN UNION LIFE19 CCM/IT/001243

RAPID DRYING OF CERAMICS

REDUCING ENERGY CONSUMPTION AND CO2 EMISSIONS WHILE PRESERVING PRODUCT QUALITY

www.rapid-dry.eu

The **RAPID DRY project** objectives will be achieved by means of

- A CHAMBER DRYER that optimises currently available techniques in a very cost effective way
 - Introducing a software managing all drying parameters and avoiding waste of energy
 - Installing fans and cones to improve the recirculation of the air flow and guarantee a homogeneous air distribution on the pieces to be dried
- **MODIFIED CERAMIC BODIES** (fire clay and vitreous china) to optimise the drying curve while preserving excellent performance in quality and resistance.

This will be achieved thanks to a **new slip** formulation, which also includes **recycled raw materials**, thus saving primary resources.





FINAL RESULTS





THERMAL CONSUMPTION

is only 98 kcal/kg

with respect to 288 kcal/kg of traditional dryers

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ELECTRICAL CONSUMPTION

is only 0.003 Kwh/kg

with respect to 0.019 Kwhl/kg of traditional dryers