PROJECT OBJECTIVES

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

REDUCTION OF ENERGY CONSUMPTION AND CO₂ EMISSIONS



MITIGATING
CLIMATE CHANGE

REDUCTION OF PRIMARY RAW MATERIALS CONSUMPTION



RECYCLING CERAMIC WASTE
AND
DECREASING
MINERAL MINING

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



28 MONTHS



2020/06/01 START



2022/09/30 FND

LIFE19 CCM/IT/001243

LIFE PROJECT

PARTNERS



www.setecsrl.it



www.lcengineering.eu

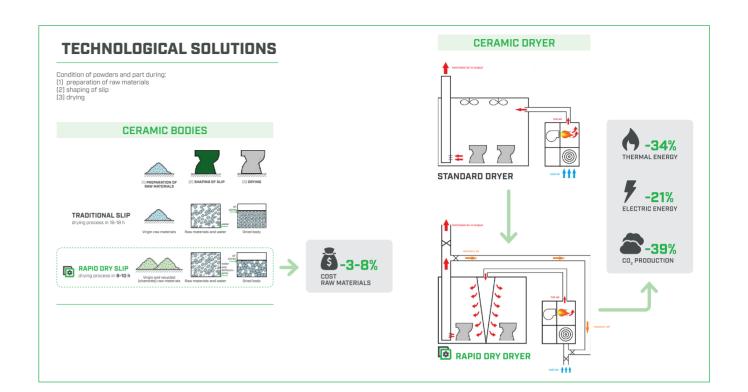




The **RAPID DRY project** objectives will be achieved by means of

- A CHAMBER DRYER that optimises
 currently available techniques in a very cost
 effective way as to be easily accessible for
 the ceramic industry, and leading to higher
 energy saving then currently achievable.
- MODIFIED CERAMIC BODIES (fire clay and vitreous china) to optimise the drying curve while preserving excellent performance in quality and resistance.

This will be obtained thanks to a **new slip formulation**, where also **recycled raw materials** are used, allowing resources saving.



EXPECTED RESULTS



TECHNOLOGY FULLY VALIDATED

- Trials and demonstrations in operational environment
- Full life cycle assessment and life cycle costing performed
- About 5400 sanitaryware and 1200 tableware pieces successfully dried