EXPECTED RESULTS

-45% ENERGY CONSUMPTION

up to -55% NO_x EMISSIONS
-45% CO_2 EMISSIONS

REDUCED OPERATING COSTS

COMPARED WITH STATE-OF-THE-ART
INTERMITTENT KILNS

PROJECT DETAILS

DURATION **42 MONTHS**
START DATE **01/07/2016**
END DATE **31/03/2019**

COORDINATOR **SETEC Srl**
Market leader in services and technologies
for sanitary-ware and table-ware production

BUDGET **1,5 M€**

PROJECT CODE
LIFE15 CCM/IT/000104

PARTNERS

SETEC GROUP
VICENTINI iPEG CPL

www.setecsrl.it

LIFE CYCLE ENGINEERING
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ECONOMICK

Energy consumption and CO_2
and NO_x emissions Minimised
in an Intermittent Ceramic Kiln

www.economick.eu

WITH THE CONTRIBUTION OF THE LIFE
FINANCIAL INSTRUMENT
OF THE EUROPEAN COMMUNITY

ECONOMICK

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The European ceramic industry is facing several challenges to its **competitiveness**, many of which have been driven by increased environmental regulation, reliance on raw materials from non-EU producers, and **rising energy costs**.

ECONOMICK deals with these challenges by developing an innovative **shuttle kiln** for sanitary ware, tableware, refractories and other ceramic productions except from tiles, which consumes about **45% less energy** than existing technologies, allowing **a significant decrease of production costs and environmental impacts.**

OBJECTIVES

Basically, the aim of ECONOMICK is to support the European ceramic sector in achieving a twofold objective:

REDUCING THE ENVIRONMENTAL IMPACT

by significantly decreasing energy consumption, CO_2, NO_x and other pollutant emissions

ENHANCING EFFICIENCY AND COMPETITIVENESS

by reducing raw materials and operating costs, and increasing production flexibility

After the kiln's design and construction, its performances and transferability potential will be **tested and demonstrated in industrial environment**, involving sanitary ware and tableware producers in Italy and Romania.

ADDED VALUE

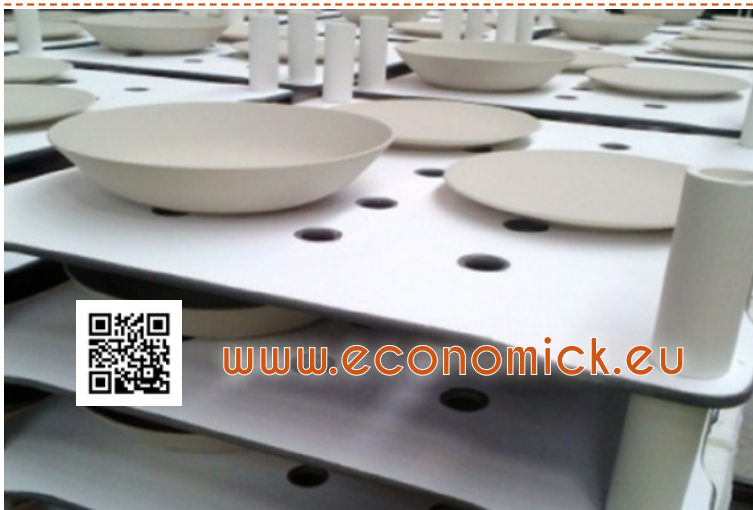
The following features make the ECONOMICK kiln a unique case in the technological landscape of the ceramic sectors concerned:

Nearly full **FLUE-GAS HEAT RECOVERY**

INNOVATIVE BURNERS
which boost the kiln's performances

Optimized combustion thanks to **COMPUTERIZED FLOWS MANAGEMENT**

ADVANCED INSULATION MATERIALS to reduce thermal dispersion



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