

## PRESS RELEASE

ECONOMICK PROJECT

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ECONOMICK project aims to deliver an innovative intermittent kiln for ceramic production, that consumes about 45% less energy than existing ones and, consequently, permits the industry to reduce costs, CO<sub>2</sub>, NOx, HF, SOx and dust emissions, and raw materials.

The ceramics industry uses tunnel kilns for continuous operation of large volumes, implying low flexibility in production, standard dimensions of pieces to be fired and lower energy costs (900-1500 kcal/kg).

Intermittent or shuttle kilns, on the other side, are used for discontinuous production and low volumes, they are characterized by higher flexibility but also higher energy costs (2100-2700 kcal/kg of fired pieces).

ECONOMICK kiln will ensure a specific consumption of 1300-1400 kcal/kg of firing product, comparable to the performance of a good tunnel kiln.

By substituting their tunnel kilns with ECONOMICK kiln, European industries- in particular SMEs – will drastically reduce their costs. This will strongly boost their capacity to maintain or improve their market share, especially in the high-end market.

ECONOMICK kiln will help the ceramic sector achieving a twofold objective:

- **reducing the environmental impact** thanks to a decrease in energy consumption, CO<sub>2</sub> and pollutant emissions;
- **increasing efficiency and competitiveness** by reducing operating costs and costs for under-production, while ensuring a more flexible production.

ECONOMICK project is led by three companies:

- SETEC Srl, service and technology provider for sanitary-ware and table-ware production,
- KERASAN, Sanitary ware producer,
- Life Cycle Engineering, environmental consultancy company.

The project has received the contribution of the life financial instrument of the European Community [ Life 15 CCM/IT/000104]