



## Energy consumption and CO<sub>2</sub> and NO<sub>x</sub> emissions Minimised in an Intermittent Ceramic Kiln

ECONOMICK project will develop and validate an innovative intermittent kiln for ceramic production, which consumes about 45% less energy than existing technologies, allowing a significant decrease of production costs and environmental impacts.

### APPLICATION AREAS



SANITARYWARE  
PRODUCTION



TABLEWARE  
PRODUCTION



REFRACTORIES  
PRODUCTION



OTHER  
PRODUCTION

### INNOVATIVE FEATURES



**Flue-gas heat recovery:**  
combustion fumes used for pre-heating the combustion air



**Advanced insulation materials**  
reducing thermal dispersion and increasing working safety level



Optimized combustion thanks to **computerized air and gas flow management**



**Innovative burners** which boost the kiln's performance and reduce the NO<sub>x</sub> emission



**Quicker firing cycles** (up to 2 cycles per day) thanks to low thermal inertia



[www.economick.eu](http://www.economick.eu)