



SPIRE-04-2016

VULKANO

Full Title: Novel integrated refurbishment solution as a key path towards creating eco-efficient and competitive furnaces

Aim:

VULKANO project aims to design, implement and validate an advanced retrofitting integrated solution to increase the energy and environmental efficiency in existing industrial furnaces fed with NG; through the combined implementation of new solutions based on high temperature phase change materials, new refractories, optimised co-firing of NG and syngas from biomass or process gas, an advanced monitoring and control system and an holistic in-house predictive tool.

Concept: VULKANO addresses the main challenge when facing furnaces retrofitting, which is tackling the problem from an overall and cost thinking perspective, which will enable overcoming the barriers for energy efficiency improvements.

Start date: 01/06/2016

End date: 31/12/2019
