

Title: Decarbonisation in the ceramic industry. Vision 2050 for European process industries

Abstract: The "Processes4Planet" platform has developed its roadmap for the year 2050 with the aim of achieving carbon neutrality and circular economy in the process industries, which are known to be highly intensive in raw materials and energy. Taking this roadmap as a guide, the existing technologies, their degree of maturity, investment needs and, consequently, the feasibility of their incorporation in the medium and long term in the ceramic sector will be analysed.

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CV Summary: Professor of Chemical Engineering at the UJI, and researcher at the IUTC for more than 30 years, currently being its director. Co-author of 4 books and more than 120 indexed publications, he has directed more than 100 public and private research projects in the field of ceramic technology, many of them international. Co-inventor of 11 patents. In recent years he has focused his research activity on the sustainability of the ceramic process and its conversion to a circular economy model.