

# #Construir o Futuro

**PROJECT DESIGNATION:** Eco Cerâmica e Cristalaria de Portugal [Eco Ceramics and Glassware of Portugal]

**PROJECT NUMBER:** 76

**TYPE OF INVESTMENT:** Green Agendas/Partnerships for Business Innovation

**COMPANIES:** VISTA ALEGRE ATLANTIS, S.A.; APICER – ASSOCIAÇÃO PORTUGUESA DAS INDÚSTRIAS DE CERÂMICA E DE CRISTALARIA; CRISAL - CRISTALARIA AUTOMÁTICA S.A.; CENTRO TECNOLÓGICO DA CERAMICA E DO VIDRO (CTCV); INEGI – INSTITUTO DE CIÊNCIA E INOVAÇÃO EM ENGENHARIA MECÂNICA E ENGENHARIA; INOV – INSTITUTO DE ENGENHARIA DE SISTEMAS E COMPUTADORES INOVAÇÃO; IPL INSTITUTO POLITÉCNICO DE LEIRIA; ISQ INSTITUTO DE SOLDADURA E QUALIDADE; MATCERÂMICA – FABRICO DE LOUÇA S.A.; MOTAMINERAL, MINERAIS INDUSTRIAIS S.A.; MOTA PASTAS CERÂMICAS S.A.; MOTA II SOLUÇÕES CERÂMICAS, S.A.; PRIMUS CERAMICS, S.A.; REVIGRES – INDUSTRIA DE REVESTIMENTOS DE GRES LDA; SANINDUSA, INDÚSTRIA DE SANITÁRIOS S.A.; UNIVERSIDADE DE AVEIRO; FAIANÇAS ARTÍSTICAS BORDALO PINHEIRO, S.A.; RIASTONE, FÁBRICA DE LOUÇA DE MESA EM GRÉS, S.A.; CERUTIL – CERÂMICAS UTILITÁRIAS S.A.; ASSOCIAÇÃO PARA O PÓLO DAS TECNOLOGIAS DE INFORMAÇÃO, COMUNICAÇÃO E ELECTRÓNICA - TICE.PT; INDUZIR – INDÚSTRIA E COMÉRCIO DE EQUIPAMENTOS LDA; INSTITUTO SUPERIOR TÉCNICO; VIATEL – TECNOLOGIA DE COMUNICAÇÕES S.A.; MICROPROCESSADOR – SISTEMAS DIGITAIS, S.A.; PRF - GÁS, TECNOLOGIA E CONSTRUÇÃO, S.A.; ASSOCIAÇÃO INDUSTRIAL PORTUGUESA – CÂMARA DE COMÉRCIO E INDÚSTRIA (AIP-CCI); ASSOCIAÇÃO C.C.G./ZGDV – CENTRO DE COMPUTAÇÃO GRÁFICA; FNWAY - CONSULTING, LDA; METALCERTIMA – INDÚSTRIA METALOMECÂNICA S.A.; VISABEIRA INVESTIGAÇÃO E DESENVOLVIMENTO, S.A.

**PROJECT DESCRIPTION:** An integrative and transversal proposal for the Ceramics and Crystal sectors, focused on their critical factors of competitiveness and aiming at an improved international positioning. Focusing on 4 core areas - energy sustainability, circular economy and industrial symbioses, digital transition and training - it is committed to developing new products, procedures and services with high added value, based on new models of cross-sectoral industrial organization, thus ensuring progression in the international value chain and focus on activities with higher added value.

**PROJECT GOALS:** Increase the competitiveness of the Portuguese Ceramics and Crystal sectors, based on factors such as innovation, differentiation and strong collaborative dynamics and investment in innovation throughout the various segments of the sector's value chain, supported by the improvement in training of its employees.



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**RESULTS:** Products, procedures and services (PPS) resulting from the project: 1. Conversion of existing furnaces (Natural gas/H<sub>2</sub>); 2. Conversion of existing Natural gas distribution infrastructures to Natural gas/H<sub>2</sub>; 3. Roller Furnace; 4. Decision making support tool for implementing heat recovery projects; 5. Service and technologies for converting systems in order to promote decarbonisation of the process; 6. Monitoring Service for Industrial Parks using non-intrusive methods; 7. Centralised Logistic Service for waste collection and recovery; 8. ECOBLEND GP - New raw material for eco-sustainable ceramic paste for flooring; 9. REVER - New eco-sustainable Ceramic Paste for coating; 10. GRESVER – New Ceramic Paste for Tableware in eco-sustainable stoneware; 11. Glass with a higher rate of incorporation of cullet and other by-products for glass production; 12. New Eco-Sustainable Ceramic Paste for Tableware in Soft Porcelain; 13. New Eco-Sustainable Ceramic Paste for Tableware in Stoneware; 14. New Eco-Sustainable Ceramic Paste for porcelain stoneware floors; 15. New Eco-Sustainable Ceramic Paste for Bathroom fixtures in Vitreous China; 16. New production process for low temperature sintering; 17. Tableware in Soft Porcelain with Innovative LOFT Porcelain Paste for Sintering at a Reduced Temperature; 18. Stoneware Tableware with Innovative LOFT Stoneware Paste for Sintering at a Reduced Temperature; 19. Paving in Porcelain Stoneware with Innovative LOFT Tile Paste for Sintering at a Reduced Temperature; 20. Bathroom fixtures with Innovative Eco-Sustainable Paste; 21. New glossy glaze for eco-sustainable bathroom fixtures adapted to reduced temperature; 22. New opaque glaze for eco-sustainable bathroom fixtures adapted to reduced temperature; 23. National BIM content platform for the Ceramic Industry; 24. Digital warehouses of ceramic moulds and mother moulds; 25. Digital production system of models and mother moulds of ceramic products; 26. Traceability system for ceramic products; 27. Data integration platform for the ceramic industry production chain; 28. Interoperability Platform; 29. New transversal services; 30. Online Waste Resource Centre Platform; 31. Waste Resource Management Services; 32. Digital Training Academy for the Ceramics and Glass sectors; 33. ECOSAN – New Ceramic Paste for Bathroom fixtures in eco-sustainable stoneware.

**START DATE:** 01/01/2022

**COMPLETION DATE:** 31/12/2025

**INVESTMENT:** Total €100.739.593,11 | CO-PROMOTER VISABEIRA ID €817.253,24

**FINANCIAL SUPPORT FROM THE EUROPEAN UNION:** Total €46,060,415.26 | CO-PROMOTER VISABEIRA ID €326,901.30

