01/09/2022-28/02/2026

42 months

16 partners from

8 countries

Total costs 7 162 398 € EU contribution 4 297 432 €

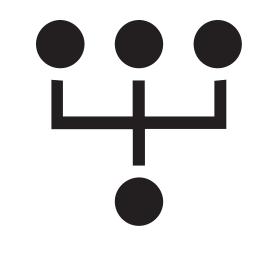
TOWARDS ZERO EMISSIONS IN EUROPEAN FERROUS FOUNDRIES USING INORGANIC BINDER SYSTEMS

OBJECTIVES

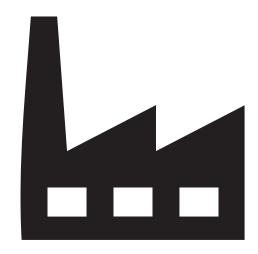
Green Casting LIFE aims to demonstrate the technical and environmental feasibility of using INORGANIC BINDERS, instead of traditional organic ones, in FERROUS FOUNDRIES.



Develop tailor made inorganic binder systems solutions



Demonstrate three different types of sand reclamation methods



Implement and validate inorganic binders in **six** flagship foundries from five European countries

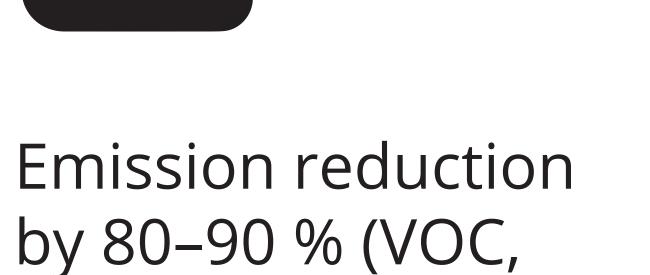


Exploitation and replication; assist 15 selected foundries in testing inorganic binders

EXPECTED RESULTS

Full scale IMPLEMENTATION and DEMOSTRATION of tailor-made inorganic binders in six flagship foundries in Europe by step-by-step implementation plan. Inorganic foundry SAND RECLAMABILITY AND REUSE solutions. Piloting actions in 15 followers foundries.

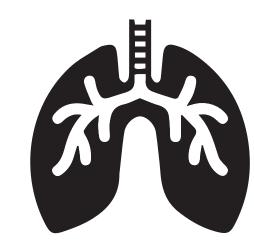




PM, NOx, SO2...)



Training workshops in partner countries



Indoor air quality improvement by 70 % (CO, PM, phenols, formaldehyde...)



Feasible reclamation methods for each flagship foundries



Coordinator



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Partners

AZTERLAN

MEMBER OF BASQUE RESEARCH

& TECHNOLOGY ALLIANCE



DI INGEGNERIA











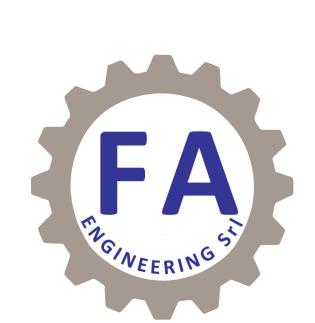


















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