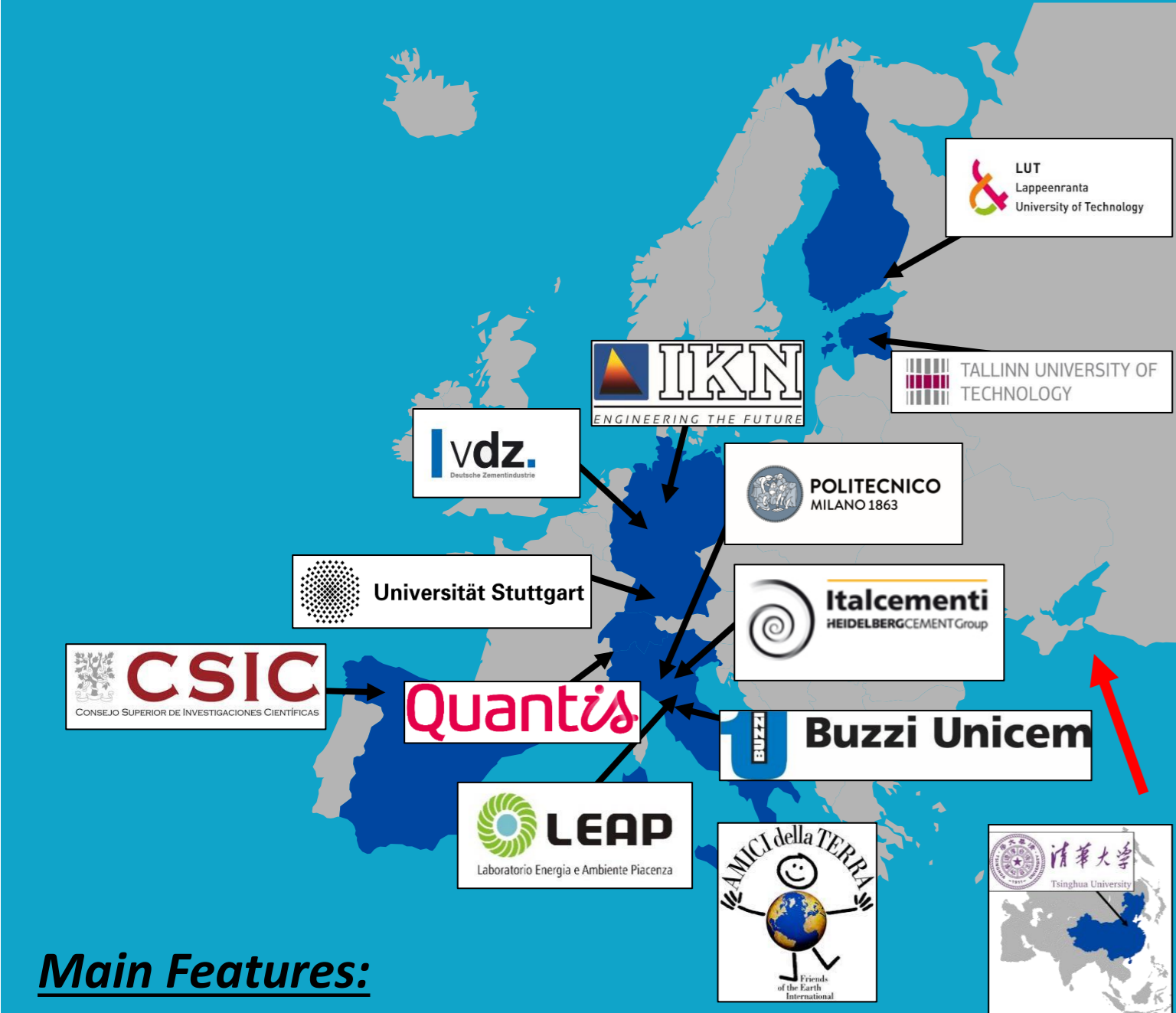


CLEANKER Overview



CLEANKER is a Horizon 2020 project with the ultimate objective of demonstrating the applicability of the calcium looping (CaL) process to the cement production.



Main Features:
 Starting date: October 1st 2017
 Duration: 48 months
 Number of partners: 13 from five EU member states plus Switzerland and China
 Budget: 9.237.851 €
 EC contribution: 8.972.201 €
 Chinese government funding: 265.650 €
 Coordinator: LEAP scarl

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 LEAP

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www.cleanker.eu
 Twitter: @CLEANKER_H2020
 Facebook: Cleanker project

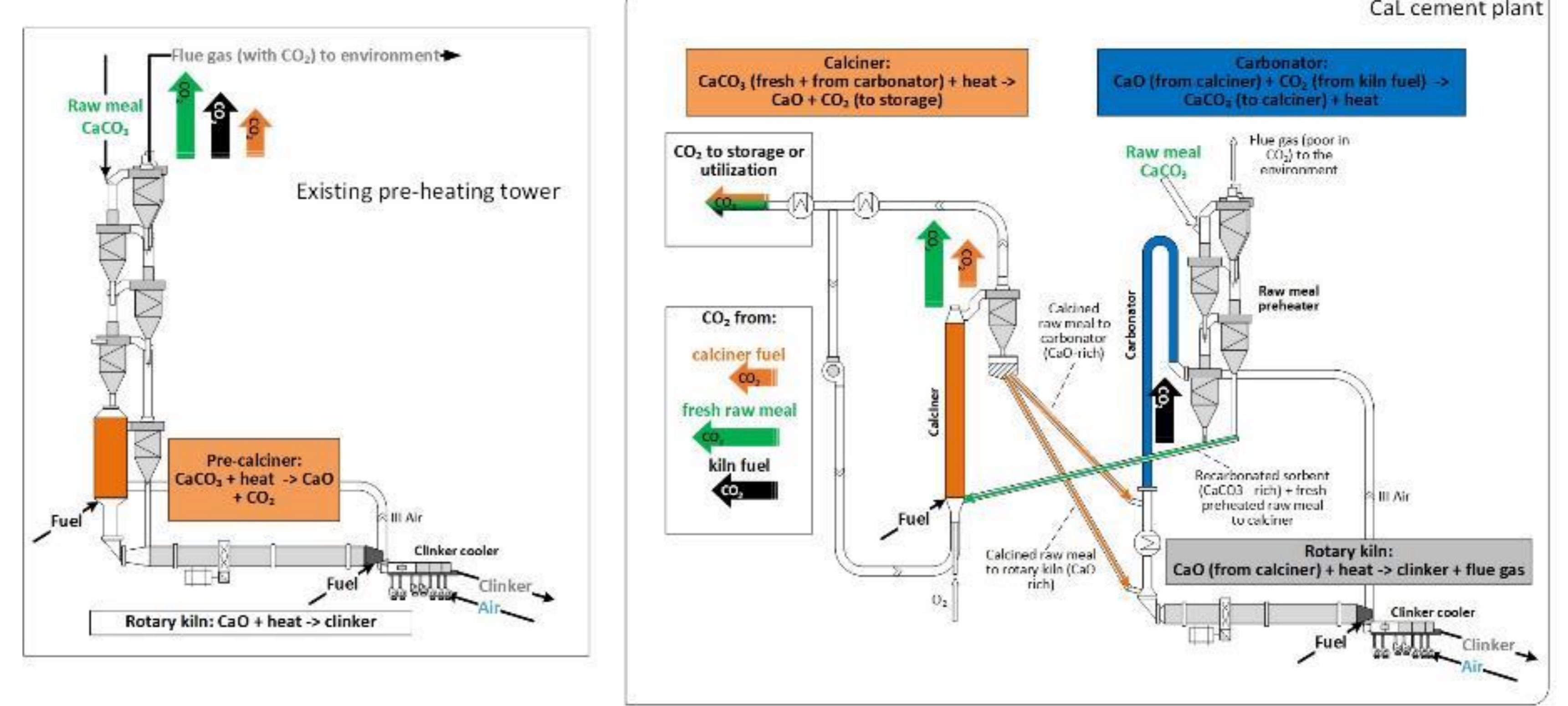


This project is funded by the European Union's Horizon 2020 Framework Programme for research and innovation under Grant Agreement n° 764816

Objectives

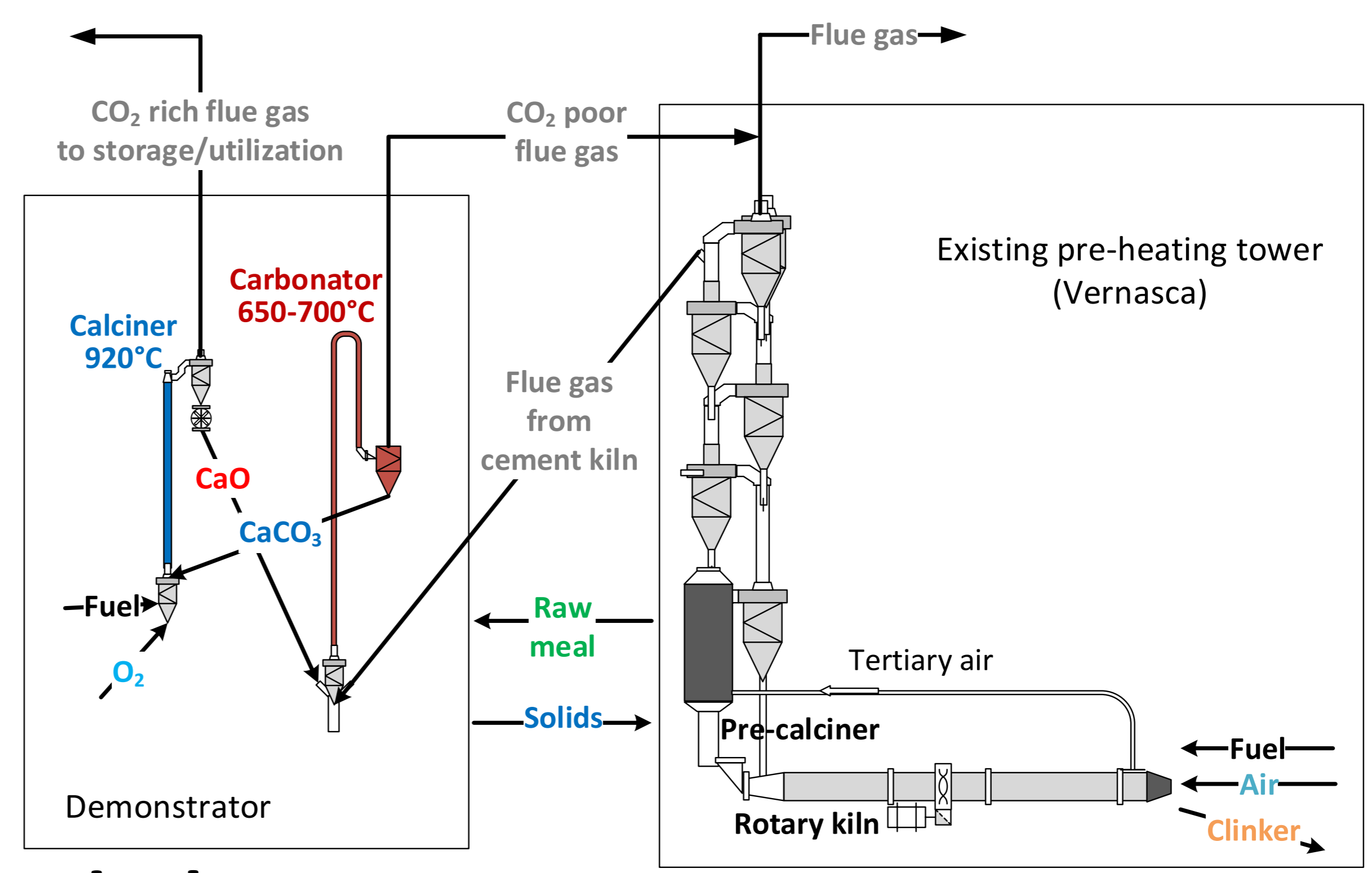
CLEANKER is a Horizon 2020 project that will demonstrate the integrated calcium looping process at TRL 7, in a new demo system connected to the 1300 kton/year cement plant, operated by Buzzi Unicem, in Vernasca (Piacenza, Italy).

Concept



Integrated configuration (to be tested in Vernasca cement plant)

- CO2 from kiln flue gases captured in the carbonator;
- The calciner of the CaL process is oxy-fired (in the full-scale plant the oxy-fired CaL calciner will act also as pre-calciner).



Methodology

