PRESS RELEASE

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MEMBRANE SCALE UP FOR CHEMICAL INDUSTRIES

MEASURED - Membrane Scale Up for Chemical Industries, started on January 1st, 2023, funded by the European Union's Horizon Europe research and innovation program under Grant Agreement N° 101091887.

MEASURED addresses the call topic *HORIZON-CL4-2022-RESILIENCE-01-14: Membranes for gas separations - membrane distillation*, and it is aimed at developing and demonstrating advanced membrane materials for Pervaporation (PV), Membrane Distillation (MD) and Gas Separation (GS) technologies applied to acrylic ester production, membrane manufacturing and gas separation from a carbon capture & utilization (CCU) stream. MEASURED's main objective is to provide a quantum leap in the development of membrane technologies for pervaporation, gas separation and membrane distillation, setting the basis for future commercialization of greener technological pathways all along the value chain. At the end of the project, the integrated MEASURED technologies will reach a TRL7 demonstration over 20,000 hours operation under (industrial) operational conditions. MEASURED includes a thorough multiscale modelling and simulation techniques including a full Life Cycle Assessment and addresses the societal implications to increase the acceptance and further market readiness.

MEASURED consortium is composed of 17 partners from 7 different European countries (ES, IT, DE, NL, SI, SE and FR). Each partner has been selected due to its excellence in its specific industrial or research field. Managers and owners of demonstration plants have been chosen attending to a criteria of market replication potential, associated with their industrial activity or the type of plant entrusted to the project. Industrial participation is 53% of the consortium. To ensure economic feasible solutions, MEASURED gathers the entire value chain consisting of 9 SME/IND + 8 RTD partners.

The MEASURED partners gathered on January 10th in Eindhoven (The Netherlands) to present and review the project objectives, activities, and work plan.

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All the activities will be coordinated by Eindhoven University of Technology (TU/e).

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