

RICERCHE PARTNER dalla rete Enterprise Europe Network

HORIZON-CL4-2023-TWIN-TRANSITION-01-43 Industrial partners needing metal heating or scaling measurement are sought for a project with the objective to gradually substitute natural gas with hydrogen (Reference: RDRDE20230201008)

Mixing hydrogen generated by renewable energy (green hydrogen) into the existing natural gas grid plays a vital role in reducing greenhouse gas emission in the metal industry. However, renewable energy, e.g. sun and wind, is widely non-constant. Thus, green hydrogen can change strongly and its mixture affects the gas property. Such will in turn affect the flame geometry and the radiation intensity in gas-fired heating systems. The variation in gas property has a negative impact on product quality, process stability and energy efficiency. A German university of applied sciences and two industrial companies would like to set up a project aiming at determining the gas property in real time by AI-based image recognition. With the knowledge of the precise gas property one can control the gas-fired heating system efficiently. The images of flame geometry and radiation intensities will be acquired using broadband furnace cameras. The flame geometry and radiant intensities will extend the current process control metrics. Thus, a new process control algorithm will be developed. The project result will be implemented as a practical solution for energy efficient process control in application cases of green hydrogen mixture. The technology will be marketed as a partial or full solution for thermal processes as well as for machine and plant manufacturers in the metal industry. The following industrial partners are sought as end-users: (1) Companies that process steel and non-ferrous metals and need metal heating. (2) Metal processing companies that need measurement of scaling (3) Machine and plant manufacturers who need thermal processes In case that a consortium cannot be built for the deadline of this call, another call will be considered.

EUROSTARS partner search: Spanish company is looking for an Italian SME with expertise on decision support systems (DSS) for agricultural application (Ref : RDRES20230202008)

A Spanish SME is looking for an Italian SME specialized in decision support systems (DSS) for agricultural application, preferably with agroforestry (olive, citrus, apple trees, etc) expertise, for a R&D collaboration within the Eureka – Eurostars call (with closing date in April 2023). The project goal is to develop a new service integrating the endotherapy (trunk injection) with a DSS for integrated plague management.

Austrian healthtech start-up seeks coordinator for Horizon Europe Call for a point of care solution
(Ref: RDRAT20230131021)

An Austrian SME has developed an app to support and relieve healthcare professionals in clinical settings with high performance technology and secure devices, which collect and analyse real-time data at the point of care. In the planned Horizon Europe project, research will be carried out on patients' pose, movement and face recognition with subsequent AI analysis. A consortium for the call is in place but, due to resource limitations, a coordinator is sought in a research cooperation agreement.

A Dutch company specialized in future-proof logistic process automation is looking for solutions and technologies to further automate the container loading process (Ref. TRNL20230202007)

A large Dutch company specialized in future-proof logistic process automation and partner of an international open innovation contest is looking for solutions and technologies to further automate the container loading process. SMEs and academia are sought to participate in an open innovation contest. A research and development agreement is envisioned.

A Polish company operating in the installation industry is looking for manufacturers and suppliers of heat pumps (Ref: BRPL20230209007)

A Polish company from the installation industry performs ventilation and air-conditioning, water and sewage, refrigeration, heating, electrical installations and lighting systems, as well as technological and industrial installations. The company is looking for a supplier of air-water heat pumps and water-water heat pumps in the following regions: Spain, Italy, Germany, Austria, Benelux, Scandinavia.

Latvian company is looking for partner for testing and implementing the machine vision technology
(Ref : TRLV20230210027)

Latvian innovative company has developed the machine vision technology and is looking for partner for testing and implementing the technology. They are looking for an industry partner, a company that deals with product development, consulting or quality control services, or provides tools for production for the development process.

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