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Smart Industrial maintenance through Augmented Reality

SINATRA

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Partners

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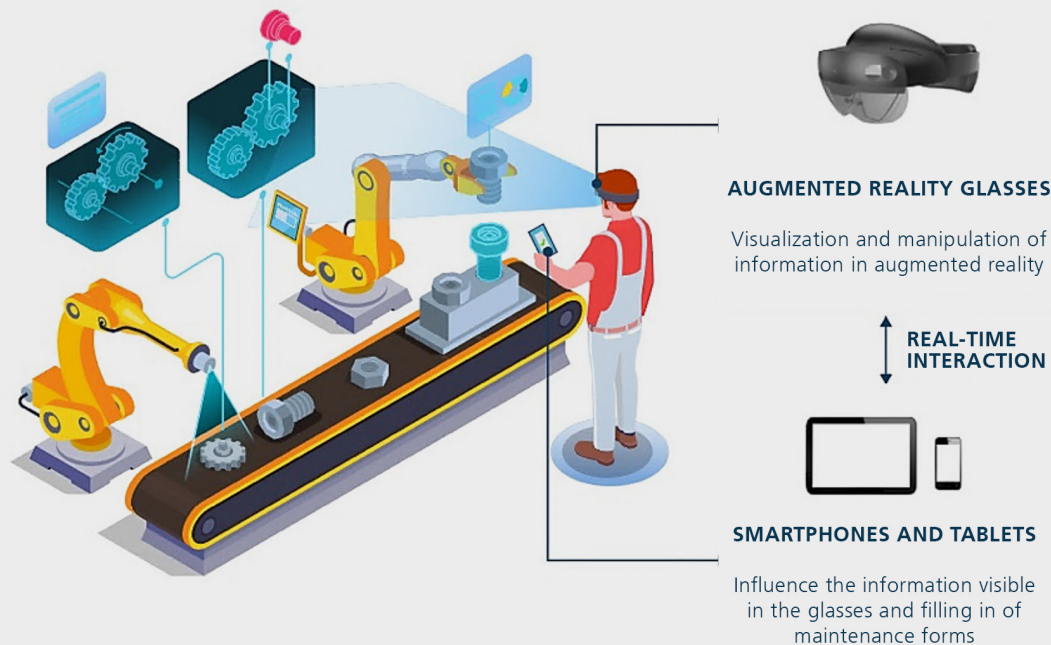
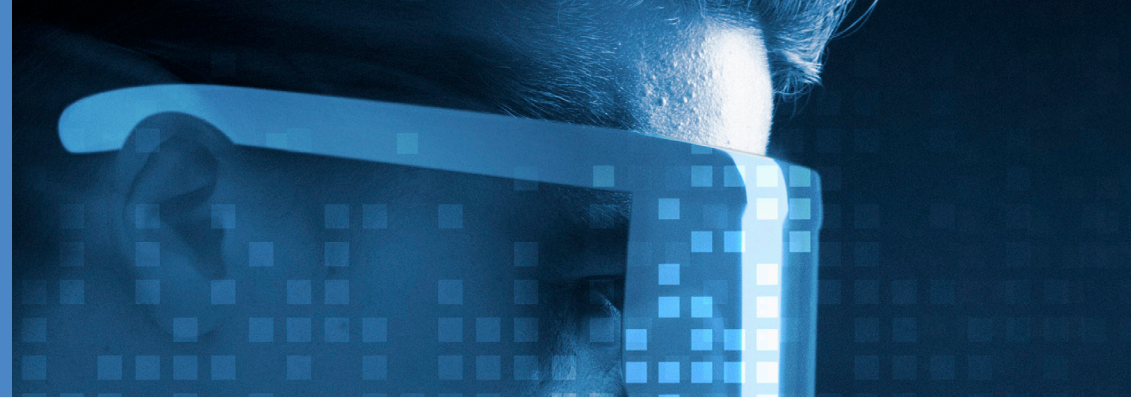
Funding entities



EUROPEAN UNION
European Regional Development Fund



PROVIDING NEW INSIGHTS AND DEVELOPING A SUPPORT SOLUTION FOR THE INDUSTRY 4.0



Description

Focused on the benefits and potential of Augmented Reality (AR) and Artificial Intelligence (AI) technologies, the Smart Industrial maintenance through Augmented Reality project – SINATRA – emerged in early 2021 with the aim of providing new insights and developing a support solution for the Industry 4.0.

This project will allow the consortium to combine the knowledge between the different technical and scientific valences in order to develop an innovative, robust and versatile solution, able to streamline and facilitate industrial preventive and corrective processes.

Outcome

The project consists of two major research and development objectives.

The first objective concerns the development of a hybrid AR solution which takes advantage of Augmented Reality glasses and promotes the interface through a smartphone or tablet to inform and optimize processes.

The second objective is to develop a set of computer vision modules to be integrated in the mobile application to facilitate the recognition of equipment, allow the automatic reading of digital and analog manometers and, finally, to ensure that the acquired images to validate the field evidence have quality.

The solution will be tested in different environments for validation in a relevant environment.