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PRESS RELEASE

DIESSE ANNOUNCES STRATEGIC COLLABORATION WITH SAIHUB FOR CREATING A DATA PLATFORM ESSENTIAL FOR THE IMPLEMENTATION OF ARTIFICIAL INTELLIGENCE IN DIAGNOSTIC SYSTEMS

Siena, 8th March 2023 – DIESSE and SAIHUB will work together to equip the new generation of analytical instruments, AUTO-DAT and CHORUS EVO, with innovative digital technologies to allow the implementation of artificial intelligence functions.

This is the content of the project recently launched by DIESSE with the SAIHUB consortium, the network of companies specialized in artificial intelligence applied to life sciences located at Siena.

The objective of the collaboration is the creation of a Data Platform to which the instruments will be connected to have a large data collection through which to activate a direct digital dialogue between the company and the individual instrument. It will then be able to monitor the tools through the data platform, as well as benefit from useful Artificial Intelligence functions to train the analyzers to optimize their performance and implement predictive diagnostics to prevent machine downtime.

In addition to the Data Platform, this project includes the implementation of Computer vision systems based on artificial intelligence to optimize the diagnostic output of the instruments.

“The goal”, explains Massimiliano Boggetti, CEO of DIESSE, “is that all machines should contribute to data collection regardless of where in the world they are installed in the world, They will be processed on our central platform where artificial intelligence will be hosted in continuous training on the data collected, and through permanent and continuous connection and IoT (Internet of Things) functions, we will be able to update machine systems automatically, making them more precise, effective, and intelligent”.

“We have created a pool of four companies specialized in this area,” says Ernesto di Iorio, president of the consortium SAIHUB and managing director of QuestIT, one of the companies involved, “to have a team of twenty professionals with all the necessary skills: from algorithm modeling to cyber security”. QuestIT, specialized in artificial intelligence, will deal with the processing of the images, while Silog, expert in the development of large management systems, will be the software programming owner. Siena Imaging, specialized in computer vision diagnostic imaging, will be in charge



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of modeling the algorithms, and finally Datatellers, a company specializing in big data and artificial intelligence, will be in charge of designing the data platform.

The collaboration between SAIHUB represents a confirmation of DIESSE's commitment to providing innovation, more intelligent systems, and more effective results to contribute to the lives of patients.

DIESSE Diagnostica Senese S.p.A. is an Italian company which produces integrated and entirely in-house in-vitro diagnostic systems. Its headquarters are in Siena. Since its foundation in 1980, the company has developed, produced and marketed innovative diagnostic systems mainly in the field of immunodiagnosics and automatic ESR measurement. The company has a global presence in over 100 countries, has 3 production sites and 1 research center, where the design and implementation of tests and new automated diagnostic detection tools meet Italian design and cutting-edge technology.

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The Saihub Network is a network of more than twenty companies distributed throughout Italy, specializing in artificial intelligence applied to biotechnology and medical devices. The union of the design and creative forces of the member companies gave birth to a Technological Hub in Siena, which expresses excellence in the field of industrial research and experimental development, in the field of artificial intelligence applications for life sciences.

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