



Intelligent Interaction Systems for Aeronautical Verification Processes – GANSO

AEROTECNIC is leading the GANSO project, which aims to develop a virtual voice assistant to interact with operators and any computer system in our industrial environment in an intuitive and natural way, for recording measurements or incidents by voice; supported by an IoT platform and elements such as Bluetooth meters; augmented reality glasses (Hololens), and interactive verification instructions (IVI).operator guidance and data recording.

The main objective of the GANSO project is to **develop intelligent systems that enable the digital transformation of the metal component verification** process in the aeronautical sector, through the use of disruptive technologies that simplify and automate possible interactions with the user. Los objetivos técnicos que el proyecto GANSO persigue son los siguientes:

OBJ 1. Development of a natural interactive assistant in an industrial environment, which facilitates the operator's performance of verification processes through personalised assistance, adapted to their needs, combining multimodal interaction technologies

OBJ 2. Development of an IIoT platform for hardware connection and access points, and for the management and fusion of data, both generated during the process and existing in current systems

OBJ 3. Research into voice recognition and natural language processing technologies that enable the interpretation and recognition of accurate data, as well as specific actions of interactions in natural language, in an industrial environment.

OBJ 4. Research into tracking systems using artificial vision (monocular) for the recognition and tracking of metallic 3D (physical) elements

The GANSO project consortium is led by the company AEROTECNIC and completed by INNOVAE.

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