



European Commission

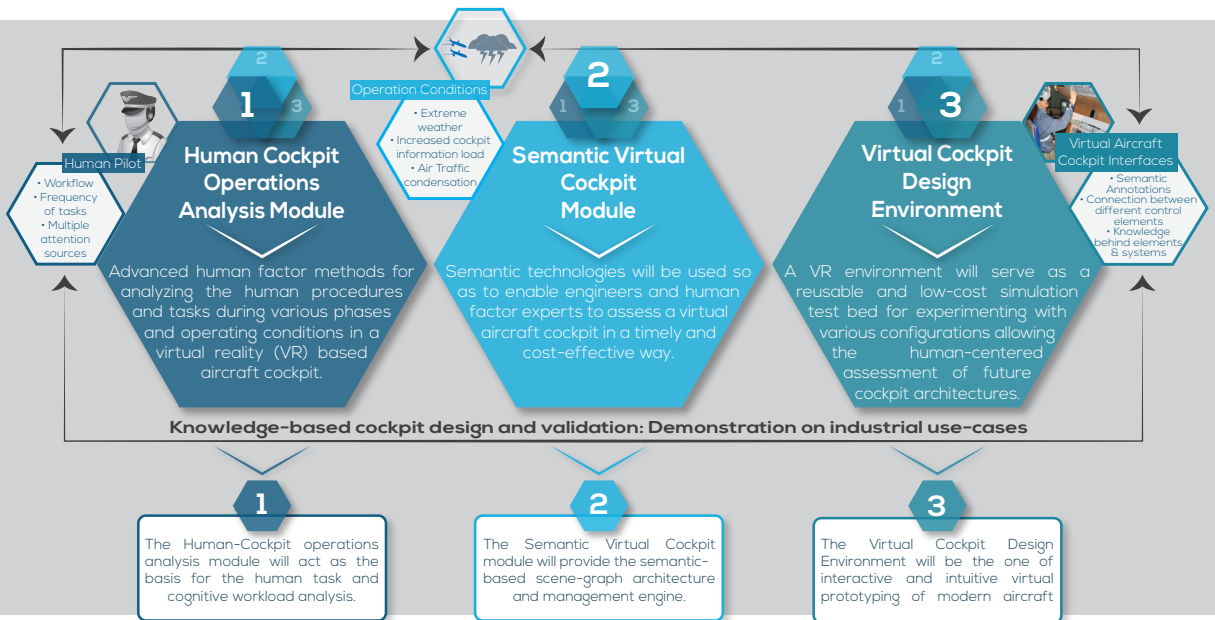
i-VISION

Immersive Semantics-based Virtual Environments for the Design and Validation of Human-centred Aircraft Cockpits

Coordinator: GR-LMS-University of Patras

Project Participants: DE-Airbus Group, FR-Airbus Group, FR-OPTIS, DE-KIT, UK-University of Southampton, BE-EASN TIS

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The i-VISION project aims at supporting human factors design and validation activities in aircraft cockpits, during the early phases of the product life-cycle through knowledge-based immersive virtual reality technologies.

i-VISION will progress the current status of cognitive human analysis of operations in aircraft cockpits using VR technologies, by advancing the methodologies with requirements from modern operating conditions.

The knowledge-based technologies of i-VISION will accelerate the design process through the systematic reuse of knowledge, while allowing for faster and more flexible prototyping of aircraft cockpits.

The analysis of human operations will result in highly competitive cockpits from the end-user's perspective and will increase the utilization of future aircraft by allowing human pilots to operate in extreme weather and traffic conditions.



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