

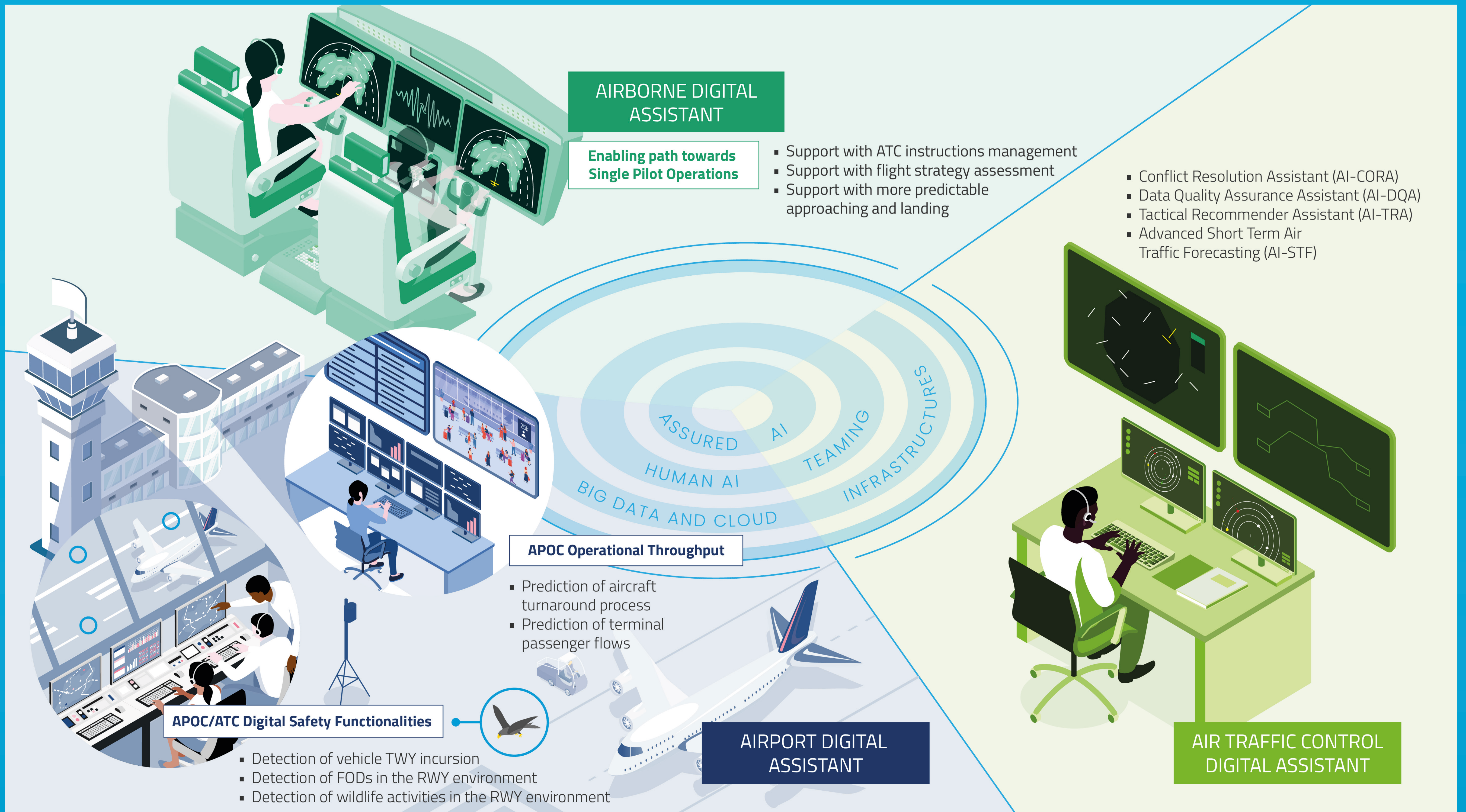
JARVIS

Just A Rather Very Intelligent System

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JARVIS prototypes and validates three new Digital Assistants teaming with their human counterparts to deliver more efficient and safer operations in complex scenarios.

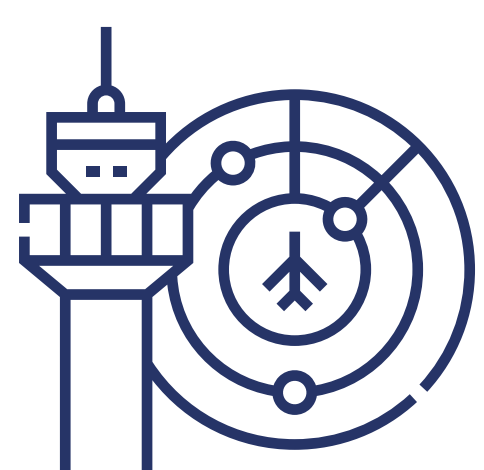


AUTONOMY AND DIGITAL ASSISTANTS FOR THE FLIGHT DECK



Using AI technologies like speech recognition, automated reasoning, and predictive learning, the Airborne Digital Assistant (AIR-DA) assists pilots with decision-making and non-critical ATM task automation, letting them to focus on other demanding tasks and improve flight planning. The solution also features an intuitive, adaptive HMI design for pilot interaction and awareness. AIR-DA is envisioned operating in advanced ATM future concepts and operations like TBO and SiPO, in line with ATC-TBO, SOLO and RESPONSE project solutions.

FUTURE GROUND PLATFORMS AND MORE AUTOMATED ATC OPERATIONS



The ATC Digital Assistant enhances automation in ATC by providing decision support for data analysis, conflict resolution, and tactical recommendations. Leveraging assured AI and human-AI teaming, it builds trust and supports air-to-ground automation across all airspace sectors. It aligns with ATC/NET-TBO, ECHO, and U-Space project solutions as a key technology enabler.

FUTURE AIRPORT PLATFORM



The Airport Digital Assistant boosts safety and predictability between APOC/ATC by leveraging AI technologies like computer vision and machine learning. It provides alert systems for operators, enhancing airport operations' role in the ATM ecosystem. The solution complements activities in the FastNET project, driving innovation and collaboration.



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