

for inter airport Europe from Momberger Airport Information #1216 / April 29, 2024

T-Systems and Frequentis are collaborating to enhance Dublin Airport's digitisation by integrating Frequentis' airportWORKS into the airport's management system. This new management product will improve the flow of information, resource management, and passenger satisfaction by digitising all data related to airside maintenance and repair work on the apron, taxiways, and runways. T-Systems is integrating this system with its existing airport management solutions at Dublin Airport, ensuring seamless automatic updates about maintenance activities to the systems managing parking positions at terminals and on the apron. Frequentis airportWORKS facilitates the temporary withdrawal of facilities for maintenance during ongoing flight operations, ensuring systematic planning and execution of works without disrupting airport activities. It also provides quick, seamless communication among all involved parties and generates audit-proof reports for air traffic control and civil aviation authorities.

T-Systems, a provider of airport management solutions to over 50 international airports, specialises in managing flight plans, resources, passengers, baggage, and freight handling. Its systems are used to update flight information on airport display boards and direct passengers to the correct baggage carousels. With the integration of Frequentis airportWORKS, T-Systems is extending its digitalisation solutions to include flight operations areas, enhancing collaboration between airports, airlines, and air navigation service providers, reducing costs, meeting performance goals, and boosting passenger satisfaction.

Manchester Airports Group (MAG), the operator of Manchester Airport, London Stansted, and East Midlands airports (United Kingdom), has partnered strategically with Veovo to implement its Passenger Flow Management technology across these facilities. This system aims to enhance the passenger experience by minimising queue times and ensuring smooth airport transit. Using a mix of LiDAR, 3D Stereo cameras, and Wi-Fi infrastructure, Veovo's technology will provide MAG with valuable data on passenger movements, queue times, and dwell times, enabling more tailored airport services and better resource management. This partnership is part of MAG's broader strategy to improve customer experiences from curb to gate and facilitate more effective long-term planning with predictive insights from Veovo.

eSIM Go has partnered with Fraport Group to offer eSIM data plans to travellers from its 30 international airports to enhance digital experiences and increase sustainability. The collaboration anticipates leveraging Fraport's annual traffic of nearly 185 million passengers to create substantial revenue through global travel eSIM services. To be initially launched at Frankfurt Airport, this service will allow passengers to buy affordable data bundles for their destinations, potentially extending to other Fraport-operated airports. The eSIM plans, offered without roaming charges, promise high-quality connectivity in over 190 countries, facilitating improved passenger experiences and allowing Fraport to gain insights into personalised services. This move represents a significant advancement in Fraport's digital and commercial strategies, enhancing overall passenger satisfaction and engagement.

Narita International Airport (Japan) has chosen Collins Aerospace, a business unit of RTX, to enhance the passenger experience by implementing new common-use systems. These systems, which include the ARINC cMUSE Common-Use Passenger Processing System and ARINC SelfServ™ Common-Use Self-Service kiosks, will allow multiple airlines to share check-in desks and boarding gates.

This flexibility will help reduce passenger wait times by allowing airlines to adapt desk and gate usage based on availability and speed up the check-in process through self-service kiosks. These kiosks enable passengers to check bags and print boarding passes independently, contributing to a safer, contactless airport experience that minimises congestion. This initiative is part of a broader effort by Collins Aerospace and RTX to advance technology and enhance airport operations globally.

Fiji Airways is advancing its operational efficiency by adopting Assaia's TurnaroundControl, a state-of-the-art system designed to optimise airline and ground operations. This collaboration marks Assaia's first airline partnership in the Asia-Pacific region. The TurnaroundControl system utilises innovative computer vision and AI technology to monitor and manage aircraft turnaround processes. This allows Fiji Airways to enhance its on-time performance and overall service delivery. The system's interface offers live video feeds, enabling immediate decision-making and operational adjustments. This technology integration aligns with Fiji Airways' commitment to maintaining high service standards and operational excellence, contributing to a seamless travel experience for its passengers.

Checkport, a subsidiary of Swissport, has launched a new digital application called MatchBox, which aims to improve the online check-in process for airlines by ensuring passengers have all necessary travel documents before issuing boarding passes. This system checks for valid passports, visas, and other permits and helps airlines avoid hefty fines for transporting passengers who lack proper entry documents. Annually, these fines and repatriation costs can exceed USD 200 million globally. MatchBox reduces the risk of such financial penalties by identifying document issues before passengers board their flights and aims to enhance departure punctuality.

The application provides a 24-hour window from online check-in to departure for passengers to rectify any missing documentation. Checkport has also committed to covering 100% of fines in cases of unintended document discrepancies, underscoring their confidence in MatchBox's effectiveness. The system was tested with several airlines under real conditions before its official rollout, receiving positive feedback for its reliability and impact on streamlining check-in and boarding processes.

Amadeus has partnered with Microsoft to launch the Virtual Airport Operations Centre (APOC), a platform to enhance airport operations. Developed as an application within Microsoft Teams, APOC allows various airport stakeholders, including airlines, border control, and service providers, to collaborate in a digitalised environment. This new tool integrates Microsoft Azure Machine Learning to simulate and refine operational plans, facilitating better management during regular operations and disruptions like bad weather or emergencies.

The platform addresses challenges identified by a recent Amadeus survey, where 67% of aviation leaders noted increased disruptions since 2019, mainly due to the lack of unified technology. APOC aims to break down information silos and streamline communication through a single, comprehensive operational view and proactive alerts within Teams, enhancing decision-making and responsiveness at airports. This initiative represents a significant step in Amadeus and Microsoft's collaboration, aiming to optimise airport operations by leveraging advanced technology and shared information.

SITA has launched a new AI-powered platform, Total Optimizer, which aims to enhance airport management by allowing holistic optimisation across various airport functions. This tool addresses the challenge of previous systems that were not well synchronised, leading to inefficiencies and high costs for airports. Total Optimizer enables airport staff to dynamically adjust priorities like operational performance, capacity, revenue generation, cost efficiency, passenger experience, and sustainability.

The development of Total Optimizer was influenced by SITA's collaboration with major airports, including a successful demonstration with the Greater Toronto Airports Authority (GTAA) at Toronto Pearson Airport. During this demonstration, the tool allowed for dynamic optimisation of stand allocation plans, demonstrating potential savings and improved operational efficiencies. Stefan Schaffner, VP of Airports at SITA, highlighted the tool as a significant innovation in airport management, developed through regular interaction with customers and stakeholders to address complex challenges in the airport industry.

Airbus has introduced Agnet Turnaround, a new platform designed to improve the efficiency of ground operations at airports.

This platform addresses the complexities of time management, operational efficiency, and capacity constraints airport and ground handlers face. Agnet Turnaround enhances real-time situation awareness and operational productivity through automation features like automatic group creation, alerts, and assigning relevant human resources. It also incorporates direct communication capabilities, positioning it as a key solution for the entire airport ecosystem.

The platform aims to improve the punctuality of airport turnaround processes, reduce environmental impacts, increase air traffic capacity, and decrease operational costs. Eric Davalo, Head of Strategic Development at Airbus Public Safety and Security, emphasised that this launch marks a significant milestone for Airbus in leveraging its secure communications expertise to meet the airport industry's operational efficiency challenges, thereby enhancing collective performance through automation.

Publisher's note: The articles in this special report, compiled for **inter airport Europe**, are a few select samples from the biweekly **Momberger Airport Information** newsletter, published since 1973. The newsletter is an advertising-free, global airport news service that consists of 9 modules and allows subscribers to customise their own newsletter package. The modules that make up the biweekly newsletter are: Airport Development (DEV), Calendar of Events (CAL), and the subscriber-selectable modules Airport Operations (OPS), Management, Ownership & Finance (MGT), Ground Support Equipment (GSE), Air Traffic Services (ATC), Consultant & Contractor / Sustainable Aviation (CON), Airport Information Technology (AIT), and Maintenance Base & FBO (MRO). For more information, a sample of a complete newsletter issue, and to order an annual subscription, please visit www.mombergerairport.info