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A five-year framework agreement has been signed between Fraport AG, the firm which operates Frankfurt Airport, and IT consulting company CGI with the goal of improving the digital experience of customers at the airport such as facial recognition for check-ins.

Going by the deal, CGI will move some of the airport's applications to the cloud, according to an announcement.

Also, Fraport and CGI will work together to lay a foundation for the integration of other advanced technologies such as intelligent automation and artificial intelligence within the airport's operations.

The agreement will also help transform different processes of the airport including ground handling services, integration of AI into most of the airport's operations such as security, baggage handling, passenger experience, air traffic management, and maintenance and operations.

Ralf Bauer, senior vice-president, Germany Central and South at CGI adds: "This new partnership is the next step in our ongoing and active support of Fraport's major digitization projects. It gives us additional opportunities to deliver significant value to Fraport through our comprehensive IT expertise and onsite/nearshore/offshore resources."

The United States' Transportation Security Administration (TSA) has awarded Idemia Identity and Security USA a USD 128 million contract.

The indefinite delivery, indefinite quantity (IDIQ) contract is for second-generation Credential Authentication Technology (CAT-2) systems and support services at TSA security checkpoints.

These systems substantially improve identity verification, validate the authenticity of a passenger's identification credential, confirm pre-screening status and validate flight reservations. The second-generation CAT-2 systems allow automated identity verification with an integrated camera for biometric and self-service capabilities.

This new contract with Idemia will enable TSA to test, manufacture, procure and deploy over 1,500 new CAT-2 systems to airport security checkpoints throughout the United States.

Western Sydney International Airport (WSI) has chosen Amadeus as its strategic airport systems technology partner to co-create the digital passenger experience of the future.

The two have plans to create a seamless airport experience with agent-led or self-service check-in, bag-drop, and boarding. Biometric systems will be available at each of these steps, minimising the need to present physical travel documents.

This passenger experience will be enabled by Amadeus Flow, an integrated solution to manage passenger services end-to-end, running from the cloud. Combined with Amadeus' self-service hardware, Amadeus says passengers will be able to check in and drop bags in a matter of minutes.

Amadeus' Airport Management Suite will also be rolled out at the airport to manage core flight data, provide a common situational awareness to all stakeholders, and efficiently allocate resources like check-in counters and gates.

The airport, which is one of the most expensive airport construction projects in the world, is on track to open in late 2026 with plans to grow in stages to become Sydney's major airport and one of the biggest gateways to Australia.

Amadeus has been rolling out its biometric technology at various airports, recently being chosen by Sacramento International Airport as its provider in March 2023.

EASIER, a subsidiary of the Bolloré Group, has received a new order from Groupe ADP for the supply of 75 self-service check-in kiosks. The new self-service kiosks will be added to the 110 kiosks that EASIER previously installed in 2022 following the renovation of Terminal 1 at Paris-Charles de Gaulle airport. The new kiosk will be deployed from April 2023 and will help meet the strong recovery in air transport demand.

The self-service check-in kiosks are manufactured at EASIER's factory in Besancon and supplied with anti-glare touch screen, printers for boarding cards and baggage tags, and passport and barcode readers for fast identification of passengers and tickets reservations. The kiosk's software has been integrated with more than 45 airlines within the airport. In addition to installation, EASIER will also provide maintenance and support to ensure continuous operation.

In addition to providing check-in kiosks, EASIER also offers a range of self-service solutions, including check-in printers, boarding gates, and biometric solutions such as Skylane, SkyCheck and SkyDrop, EASIER's latest innovations in access control, check-in and baggage deposit.

A quartet of brand-new electric passenger buses has arrived at Tampa International Airport (TPA), the latest mile-marker on the Airport's long-standing commitment to sustainability. The four electric buses will serve as a partial replacement for Tampa International Airport's employee bus fleet, which transports people who work at TPA's partner businesses from the North Employee Parking Lot off Hillsborough Avenue to the Main Terminal. The vehicles are the first electric buses to be owned and operated by TPA.

The Airport currently transports these employees aboard seven diesel buses, which operate 24 hours a day, seven days a week. Each bus travels about 36,000 miles per year driving the loop from the Main Terminal to the north end of the Airport campus. A group of six compressed natural gas-powered buses complements the diesel fleet when necessary.

The four new vehicles, K9M low-floor electric buses built by BYD Motors, are powered exclusively by electricity instead of fossil fuels. The 40-foot, 16-ton buses can travel up to 156 miles on a single charge, which can be fully replenished at a charging station in about four hours.

Each handicapped-accessible bus has seating for up to 37 passengers and is equipped with USB chargers and a luggage rack.

As part of its sustainability efforts, the Hillsborough County Aviation Authority, which operates TPA and Hillsborough County's three public General Aviation airports, won a federal 100% Zero Emission Vehicle grant worth USD 4.65 million to purchase the buses and to install the charging stations at the North Employee Parking Lot to keep them running.

The Authority is now seeking more grant funding to help update the rest of the employee bus fleet. The charging stations and four electric buses are all due to come online by mid-May.

TPA is the first and only Florida airport to be engaged in the Airports Council International's Airport Carbon Accreditation program. The new buses help improve the Airport's efforts by reducing the current fleet's carbon emissions.

Airport manager ANA Aeroportos de Portugal has ordered an explosive detection system from electronic components manufacturing company OSI Systems. The order, valued at around USD 20 million, will see OSI Systems' security division supplying multiple units of its Real Time Tomography (RTT) 110 (RTT 110) to the airport.

OSI Systems will deploy the units at several airports across Portugal to screen hold (checked) baggage of travellers. In addition, the company has been tasked with offering ongoing maintenance, service, and support for the installations.

OSI Systems chairman and CEO Deepak Chopra said: "We are excited to support this customer with our leading CT checked baggage screening solution that is widely deployed at major international airports. OSI Systems' RTT uses a proprietary stationary gantry approach to offer high resolution 3-D imaging. Its design is said to enable efficient inspection of hold baggage and air cargo without compromising threat detection standards.

Compared to existing CT systems, the RTT 110 technology accurately detects an increased range of explosive threats and banned items, such as liquid explosives.

It provides complete 3-D images of objects at speeds of more than 1800 bags per hour. The RTT110 is intended to provide better security at a lower overall cost of ownership and has been deployed by several airports and air logistics providers.

The technology complies with the European Civil Aviation Conference's (ECAC) HBS EDS Standard 3 threat detection norms.

Liberty Defense Holdings Ltd., a technology provider of AI-based next generation detection solutions for concealed weapons and threats, has announced that Los Angeles World Airports ran customer evaluation of the HEXWAVE™ system for one week (1-7 May) at the Los Angeles International Airport (California, United States) for potential use conducting employee screening at its airport facilities. LAWA operates and maintains three airports, LAX, Van Nuys Airport, and the LA/Palmdale Regional Airport, employing thousands of aviation workers with many access points at its facilities. LAWA maintains its own police department, the Los Angeles Airport Police, responsible for the security programs at its airports. The HEXWAVE will be deployed for evaluation in the field during real-time security operations at LAX in the Tom Bradley International Terminal. LAX is one of the busiest and biggest airports, acting as an international hub which served 65 million passengers in 2022.

HEXWAVE uses millimetre wave, advanced 3D imaging, and AI to detect concealed metallic and non-metallic weapons such as liquid, plastic, and powder explosives, 3D printed guns, and other prohibited items – without having to divest common items like cell phones or keys. The system allows for rapid, automated screening using a high throughput, contactless, walkthrough portal.

Publisher's note: The articles in this special report, compiled for **inter airport Europe**, are samples from the biweekly **Momberger Airport Information** newsletter, published since 1973. The newsletter is an advertising-free, global airport news service that consists of 8 modules and allows subscribers to customize their own newsletter package. The items in this report represent only a small sample of **Momberger Airport Information**. The modules that make up the biweekly newsletter are Airport Development (DEV), Calendar of Events (CAL), and the subscriber-selectable modules Airport Operations (OPS), 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 and to order an annual subscription, please visit www.mombergerairport.info