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Marseille Provence Airport (France) has begun deploying Fly'IN, a biometric identity verification system developed by IN Groupe, to streamline passenger flow from check-in to boarding. The Fly'IN solution generates a biometric QR code on the passenger's smartphone, enabling quicker and more secure movement through the airport. It integrates identity, biometric data, and travel documents via a one-time enrolment process, either on a smartphone or at a self-service kiosk. The QR code is tamper-proof and compliant with GDPR and CNIL data protection standards.

The technology aims to reduce wait times and shorten queues by replacing repeated document checks with a seamless, touchless verification system at security checkpoints and boarding gates. The launch reflects a growing global trend, with airlines like Delta and Lufthansa also rolling out biometric verification platforms to enhance preflight efficiency and passenger experience.

Singapore Changi Airport (Singapore) will receive a new fleet of autonomous cleaning robots under a second contract awarded to local technology firm SIMPPLE Ltd., which specialises in smart facilities management solutions. The latest contract, valued at USD 524,000, builds on a previous USD 400,000 deal announced on 15 November 2024. Both agreements are part of a broader renewal programme at Singapore Changi Airport, with further contracts for three terminals yet to be awarded.

SIMPPLE Ltd., which is headquartered in Singapore and listed on NASDAQ (SPPL), provides robotics and IoT-enabled systems for autonomous building management through its proprietary SIMPPLE Ecosystem. The company serves more than 60 clients across Singapore, Australia, and the Middle East.

Osaka Kansai International Airport (Japan) has installed three new Rohde & Schwarz QPS201 security scanners as part of its ongoing Terminal 1 renovation, marking the 2,000th unit delivered globally by the company. The scanners, installed with support from local partner Teikoku Sen-I Co., Ltd. (TEISEN), will be used in newly constructed checkpoints and are designed to enhance both passenger experience and security performance.

The QPS201 employs millimetre-wave technology and AI-driven detection algorithms to meet international standards while reducing false alarms. The new security area is expected to be operational by 18 March 2025. Rohde & Schwarz, active in aviation security since 2015, has received approval for its scanners from global regulatory bodies, including ECAC and the TSA.

Smiths Detection, a global provider of threat detection and screening technologies, has partnered with NeuralGuard, an Israeli company specialising in AI-based threat detection software, to integrate NeuralGuard's artificial intelligence into the HI-SCAN 6040 2-is system. The collaboration forms part of Smiths Detection's Ada Initiative, which supports the integration of third-party AI solutions into its screening infrastructure while upholding strict security, compliance, and performance standards. The integration is currently in the certification phase.

Through this partnership, Smiths Detection aims to enhance its iCMORE AI-driven algorithm suite, boosting screening accuracy and flexibility for customers. NeuralGuard's technology is expected to

strengthen threat detection and operational efficiency, contributing to more effective and reliable security screening worldwide.

NEC is supplying biometric walkthrough gates for Japan's three largest airports—Haneda, Narita, and Kansai—to streamline immigration procedures ahead of major tourism targets and Expo 2025 Osaka. The new gates, featuring NEC's Bio-IDiom Edge facial recognition software, will be installed in Terminal 3 at Haneda and Narita and Terminal 1 at Kansai. Complementary kiosks for customs and immigration declarations will also be deployed. Installations are scheduled to be completed by 11 April 2025.

Japan aims to welcome 60 million foreign visitors annually by 2030, and this technology forms part of its wider push for efficient border processing. NEC's facial recognition technology is also being used in self-driving airport buses and other pilot projects involving digital travel credentials.

Elsewhere in Asia, Vietnam is expanding its use of biometric border controls with Vision-Box systems now operational at Da Nang International Airport and being rolled out at airports in Ho Chi Minh City, Hanoi, and eventually at Phu Bai, Cat Bi, Dien Bien, and Long Thanh. The system integrates with Vietnam's national digital ID (VNeID) and includes fingerprint and facial recognition.

In Singapore, the Immigration and Checkpoints Authority has introduced Idemia biometric systems at the Tanah Merah Ferry Terminal, enabling passport-free clearance using face and iris scans. By the end of 2025, 15 self check-in kiosks are expected to process 70% of passengers, reducing clearance time by 60%. This move is part of Singapore's broader strategy to implement a biometric-based clearance concept across all border crossings.

SITA, a global key player in air transport technology, has acquired Italian design specialist CCM to create smarter, more efficient airports by merging digital solutions with high-end terminal interiors. The Milan-based CCM, known for its award-winning work in over 300 airports, will now operate under SITA, reinforcing the company's "technology by design" vision. This integration aims to streamline airport operations and passenger experiences by aligning smart layouts with automation, biometrics, and AI-driven tools.

The acquisition addresses a growing industry need for airport terminals to evolve beyond outdated check-in layouts and congestion-prone flows. SITA believes the future of air travel lies in adaptable infrastructure, where design and digitalisation go hand in hand. Monica Oberti, a founding member of CCM's management team, will serve as interim CEO.

With increasing airport IT spending—USD 8.9 billion in 2024—SITA's move to combine passenger processing, baggage handling, and architectural design under one roof aims to give clients a seamless, end-to-end modernisation path. Existing operations will continue uninterrupted as the two firms merge capabilities to deliver future-ready airport spaces.

Ink Innovation, a Spanish travel technology provider, and BAGTAG, a Dutch company specialising in electronic bag tag solutions, have partnered to integrate BAGTAG's digital baggage tagging system into Ink's passenger handling ecosystem. This collaboration enables airlines using Ink's systems to offer a fully digital, paperless check-in experience, allowing passengers to prepare their baggage at home via the BAGTAG or Ink mobile app. The integrated solution is part of Ink's ZERO concept, designed to streamline check-in, bag drop, security, and boarding with minimal touchpoints.

German equipment manufacturer DIMOS has introduced two upgraded pallet mover models designed to improve unit load device (ULD) handling across airport logistics, from airside to landside. The new models build on DIMOS's standard pallet mover platform, which features a 7-tonne load capacity, crosswise seat cabin, and 360° steering. Enhancements include integrated weighing scales and a mobile scissor lift table, allowing key stationary processes to be performed flexibly and directly at the point of use.

The version with scales enables immediate weighing of cargo upon pickup, eliminating the need for separate weighing stations and reducing wear from unnecessary travel. The lift table model allows lifting

up to 1.6 metres, serving as a mobile dock or work platform in tight spaces where fixed systems are impractical.

Both models offer customisable features such as roller decks and adjustable drive or lift heights, helping airports save time, space, and costs while improving ULD logistics efficiency during peak operations. For more information go [here](#).

BEUMER Group, a global provider of intralogistics and airport baggage handling systems, has announced it is expanding its data-driven services to help airports improve efficiency, security, and resilience through its upgraded Customer Diagnostic Center (CDC). The expanded CDC capabilities will be showcased at Passenger Terminal Expo 2025 in Madrid from 8 to 10 April.

At the heart of the enhancement is a new 24/7 CDC Monitoring Center, which uses artificial intelligence and advanced algorithms to track anomalies and trends across airport baggage handling systems and infrastructure. This allows airports to detect and address potential failures before they disrupt operations. With over 300 active data streaming sites processing more than 500 terabytes of diagnostic data, BEUMER gives airport operators real-time insights to support maintenance, avoid downtime, and strengthen system performance.

New services introduced by BEUMER include predictive maintenance alerts based on condition-based monitoring, automated work order generation, and a Diagnostics Dashboard to track the progress of performance fixes. Cybersecurity support has also been strengthened with a new Vulnerability Management option. This enables airports to identify and resolve digital security risks in the correct sequence, reinforcing BEUMER's ISO 27001-certified suite of cyber solutions.

On-site support has been boosted with a new Peak Programme service under the BG SITEPRO offering. This provides airports with additional trained personnel during peak traffic periods, such as holidays or large events.

BEUMER's expanded CDC services—organised into categories for predictive monitoring, secure data access, and emergency response—can be customised into tailored support packages. The improvements aim to optimise operational uptime and offer airports of all sizes a trusted analytics resource as the industry grows increasingly reliant on digital systems and real-time data.

The expanded CDC and Monitoring Center demonstrate BEUMER Group's commitment to helping airports move from reactive maintenance to proactive, intelligent operations in an era of rising passenger expectations and increasing complexity.

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 customize 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