

may

for inter airport Europe from Momberger Airport Information #1218 / May 27, 2024

British Airways has ordered 38 apron buses from COBUS Industries for London Heathrow Airport, including 15 buses powered by hydrotreated vegetable oil (HVO) and 23 electric buses. Delivery of the HVO buses will start in summer 2024, with the electric buses to be deployed from summer 2025 after the charging infrastructure is installed.

These buses, featuring a compact design and a capacity of up to 77 passengers, support British Airways' goal of reducing emissions and achieving net-zero emissions by 2050.

Vanderlande has secured two contracts to supply and install baggage handling systems (BHS) at airports in Vietnam. The first contract, signed in Hanoi with Construction Corporation No1 JSP (CC1), involves providing a BHS for the new passenger terminal (T3) at Tan Son Nhat International Airport. Vanderlande will integrate the entire baggage flow into one control system, while CC1 handles construction and installation.

The second contract, signed in Ho Chi Minh City with IC Ictas Insaat (ICTAS), is for a BHS at the new Long Thanh International Airport, set to open in 2026. Vanderlande will deliver an end-to-end solution from check-in to flight make-up.

TK Elevator published its third sustainability report, "Moved by What Moves People," highlighting significant progress towards its sustainability goals. Key developments include:

- Mobility Innovation: Focused on urban growth, ageing populations, and environmental demands.
- EOX Elevator Platform: Launched in Europe, North America, and Brazil, offering eco-efficiency and digital capabilities.
- Modernization Efforts: Promoting sustainability in older buildings with the EOX Renew solution and expanding in major markets like the U.S., Spain, Germany, and China.
- Recognition: Acknowledged by sustainability rating agencies such as CDP, Sustainalytics, and EcoVadis.
- Emissions Reduction: Achieved a 24% reduction in Scope 1 and 2 GHG emissions from 2019 levels, with renewable electricity comprising 68% of consumption.
- Safety and Supply Chain: Enhanced safety programs and comprehensive supply chain risk management.

CEO Uday Yadav emphasised the company's commitment to sustainable urban mobility through innovative solutions like the TWIN elevator system and MAX predictive maintenance. TK Elevator's efforts contribute to a circular economy and improved accessibility, reinforcing its position as a global leader in vertical transportation. The report can be downloaded [here](#).

Amsterdam Schiphol Airport (The Netherlands) is testing an innovative air filtration system from Van Wees Innovations to reduce ultrafine particles on its apron area. The pilot project, located next to Pier D, aims to improve working conditions for airport staff. This follows a successful trial at a fire station where the device significantly improved air quality.

Patricia Vitalis, Schiphol's Executive Director of Operations, highlights the airport's commitment to a healthy workplace and environmental sustainability. In addition to the air filtration pilot, Schiphol is implementing green zones and researching mist technology to further reduce ultrafine particles, showcasing its dedication to innovation and sustainability.

In June 2024, Budapest Airport (Hungary) is set to pilot FaceBoarding, a facial recognition technology aimed at streamlining security and boarding processes. This system allows registered passengers to bypass traditional identity checks and boarding passes, potentially reducing wait times.

Developed by Thales and Dormakaba, FaceBoarding is currently in trials at Milan Linate and Catania airports and is restricted to individuals over 18. Those preferring traditional methods can still use standard procedures. This initiative reflects a broader trend toward adopting biometric technologies in airports globally to enhance efficiency and passenger convenience.

Exolum will invest EUR 12 million to build a new aviation fuel storage terminal at Lanzarote Airport (Spain), enhancing its service and operational efficiency. The facility will feature a storage capacity of 6,000 cubic meters across three above-ground tanks, with provisions for a fourth tank. It will include efficient loading areas and connections via underground pipes.

This infrastructure update also incorporates energy efficiency improvements, such as a photovoltaic power plant and electric vehicle charging stations. Additionally, the project entails dismantling current facilities and is expected to take about three years to complete. After that, Exolum will operate the new terminal for 12 years.

Exolum, a logistics provider for liquid products and aviation fuel management, operates in 11 countries and manages extensive fuel storage and distribution infrastructure. This development at Lanzarote, alongside their operation in Tenerife Sur, reinforces Exolum's presence and growth in the Canary Islands and the broader aviation sector.

Daifuku Airport Technologies has secured a contract to install 17 additional full-size Checkpoint Property Screening System (CPSS) lanes at the new East Security Checkpoint of Denver International Airport (Colorado, United States). This installation complements the existing setup at the West Security Checkpoint. Utilising automation technology from Daifuku's Scarabee Aviation Group and incorporating Smiths Detection's Hi-Scan 6040 CTIX scanners, the lanes are designed to enhance the efficiency of airport security screenings by producing high-resolution 3D images and reducing the need for passengers to remove electronics from their bags. The lanes will be manufactured and assembled at Daifuku Airport America's U.S. facilities, with project completion expected in early 2025.

Changi Airport Group (CAG) and Aurrigo International plc are advancing their collaboration by introducing four autonomous baggage handling vehicles, known as Auto-DollyTugs, at Changi Airport. This initiative follows the successful completion of Phase 2A trials, where the Auto-DollyTug demonstrated effective operations under various conditions, including interaction with traditional ground service equipment and handling of baggage containers in close proximity to aircraft.

The upcoming Phase 2B will focus on enhancing the fleet communication capabilities through Aurrigo's Auto-Connect platform, which allows for precise scheduling and monitoring. These vehicles, which are set to arrive in Singapore soon, are expected to significantly boost efficiency, reduce environmental impact, and address labour shortages within the aviation sector by supporting the management of wide-body flights.

David Keene, CEO of Aurrigo, highlighted this development as a pivotal moment for the aviation industry, signalling the near-term adoption of Auto-DollyTugs for live flight services. The Auto-DollyTug is noted for its advanced features, such as a patented sideways drive system that allows it to manoeuvre into tight spaces and robotic arms for precise loading and unloading of unit load devices (ULDs). This technology promises to enhance the efficiency of operations significantly.

Poh Li San, Senior Vice President of Terminal 5 Specialized Systems at CAG, expressed optimism about the upcoming trial phase, which aims to further validate the operational concepts and integration with existing ground handling processes at Changi Airport.

Singapore's Immigration & Checkpoints Authority (ICA) is expanding the use of biometric lanes at Changi Airport to all foreign visitors starting May 2024, utilising iris and face biometrics, with fingerprints as a backup. This automated system, supplied by Idemia, will extend to all departing travellers and Singapore residents by year-end, also covering Seletar Airport and Marina Bay Cruise Centre.

The initiative aims to reduce immigration clearance time by 40% and includes the next-generation Automated Border Control System (ABCS) with around 600 gates installed. Full automation at key checkpoints is expected by 2026-2028.

SITA has acquired Materna IPS, a passenger handling solutions provider, in its largest acquisition to date. This strategic move aims to enhance SITA's leadership in passenger processing, creating an advanced portfolio for airports and digital travel.

The acquisition will improve the efficiency and innovation of passenger handling solutions, promising a seamless travel experience. It will help transform airports into digital, personalised hubs, optimising resources and enhancing the passenger journey. The acquisition is pending regulatory approval.

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