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Swedavia, Sweden's state-owned airport operator, has partnered with Virta to enhance electric vehicle (EV) charging infrastructure across its airports, including Stockholm Arlanda, Gothenburg Landvetter, and Malmö. The collaboration will connect 800 charging points to Virta's advanced platform, enabling dynamic energy management, seamless billing, and scalable operations to meet growing EV demand.

This initiative marks the first time Swedavia has implemented a separate charging payment system, transitioning from its previous model where charging was included in parking fees. The change aims to provide a transparent and user-friendly experience for travellers. Virta's technology allows for future expansion without major electrical upgrades, ensuring sufficient charging capacity for all EV-driving passengers.

Swedavia joins other prominent operators, such as Finland's Finavia and Berlin Brandenburg Airport, in adopting Virta's solutions, making it part of a broader European sustainable mobility network. EV drivers can now access charging at Swedavia airports through a single platform, with interoperability in over 60 countries.

The project, currently in its migration phase, is expected to bolster Swedavia's capacity to manage increasing volumes of EV users while maintaining energy grid stability. This step reinforces Swedavia's commitment to sustainability and positions it as a leader in sustainable airport operations in northern Europe.

Virta, a global pioneer in smart charging services, supports over 550,000 charging points worldwide through its extensive network. This partnership underscores Swedavia's role in connecting Sweden to global markets while advancing e-mobility solutions for the growing number of electric car users.

Glasgow Airport (Scotland, United Kingdom) has launched an AI-powered digital assistant, developed in partnership with Hello Lamp Post, to improve passenger experience, navigation, and accessibility.

Accessible via location-specific QR codes, the assistant provides real-time flight updates, navigation support, and tailored assistance, operating 24/7.

The technology was trialled earlier this year with Connected Places Catapult, resulting in a 50% reduction in staff queries, support for over 12,300 additional passengers annually, and an 86% satisfaction rate.

Following the trial's success, the tool has been expanded for all passengers, focusing on inclusivity, particularly for those with disabilities and reduced mobility (PRM).

Glasgow Airport, which served over 110,000 PRM passengers last year, has earned top ratings for accessibility and sees this initiative as part of its ongoing effort to enhance passenger services and streamline operations.

Munich Airport (Germany), the country's second-largest airport, has adopted the AIRHART unified data platform as part of its digital transformation strategy.

Developed by Smarter Airports, a collaboration between Netcompany and Copenhagen Airport, AIRHART integrates real-time data and existing systems into a single solution to enhance passenger experience, reduce carbon emissions, and improve operational efficiency.

The platform, already operational at Copenhagen Airport, optimises management, predicts incidents, minimises disruptions and enables AI-supported decisions in real-time. At Munich Airport, which handles 50 million passengers annually, AIRHART will enhance capacity and efficiency without requiring physical expansion.

As part of a broader framework agreement, Netcompany will modernise hundreds of IT systems at Munich Airport and establish a local office to support implementation. This initiative underscores the airport's commitment to innovation, with IT senior vice-president Florian Lesch highlighting AIRHART's role in transforming Munich Airport into a data-driven hub. Netcompany's involvement builds on its success with similar projects across Europe, strengthening digital foundations in the aviation sector.

Dallas Love Field Airport (Texas, United States) will become the first airport to deploy Rosenbauer's fully electric PANTHER 6x6 fire truck in mid-2025. This initiative is part of an innovative partnership between Rosenbauer America and the Dallas Fire Rescue Department (DFR) to advance sustainable airport safety technologies. The vehicle will undergo a six-month testing phase, integrating into daily operations to assess performance, operational efficiency, and functionality in emergencies and training. Insights from this phase will inform further development before the vehicle joins the airport's fleet.

The PANTHER 6x6 electric, capable of accelerating to 50 mph in under 25 seconds and delivering 2,370 gallons per minute of water capacity, meets International Civil Aviation Organization (ICAO) and Federal Aviation Administration (FAA) standards. It features a high-voltage electric drive system with rapid recharging capability, allowing readiness for operations within 20 minutes. The vehicle aims to reduce emissions and noise while maintaining high performance.

This deployment aligns with Dallas Love Field's sustainability goals, which include achieving carbon neutrality by 2040. The airport recently achieved Level 4 in the Airport Carbon Accreditation program, demonstrating leadership in environmental initiatives. With over 17.6 million passengers in 2023 and 675 daily aircraft operations, the addition of the PANTHER 6x6 electric highlights the airport's commitment to safety, sustainability, and innovation. Rosenbauer has already produced and tested three prototypes, with broader availability expected by the end of 2025.

Oshkosh Airport Products has delivered four Striker® Aircraft Rescue and Firefighting (ARFF) vehicles to Costa Rica's Dirección General de Aeronáutica Civil (DGAC) to enhance emergency response capabilities at Juan Santamaría Airport, the nation's busiest international gateway. The fleet includes three Striker 6×6 ARFF vehicles and one Striker 4×4 ARFF vehicle, specifically equipped to handle the airport's challenging terrain and elevated location. Key features of the new vehicles include TAK-4® Independent Suspension for reliability on uneven surfaces, Scania DC16 V8 engines compliant with Tier 4F emissions standards, and 360-degree backup cameras for enhanced safety. Two of the 6×6 vehicles are equipped with the Oshkosh® Snozzle® High Reach Extendable Turret (HRET), which delivers 500/1,000 gpm with a piercing tip for hard-to-reach fires. Additionally, the Eco EFP™ foam measurement system supports Costa Rica's green airport initiatives.

DGAC's partnership with Oshkosh Airport Products spans over two decades, reflecting trust in the company's advanced technology and service support. This fleet upgrade aligns with Costa Rica's commitment to aviation safety and environmentally sustainable airport operations. Juan Santamaría Airport serves over 1.7 million tourists annually, and these vehicles are expected to significantly bolster emergency response both on and off the airfield.

SITA has been selected as a specialised airport systems (SAS) provider for the new Main Terminal Building at Red Sea International Airport (RSI) in northwestern Saudi Arabia. This collaboration follows SITA's successful deployment of systems at the airport's Air Taxi Terminal. By 2030, RSI is expected to handle one million guests annually, with a peak capacity of 900 passengers per hour, requiring advanced digital systems to ensure smooth operations and enhance passenger experiences. Under the agreement, SITA will implement smart solutions for passenger processing, baggage reconciliation, and airport operations. Key technologies include SITA Flex and Maestro, which automate

check-in and departure processes while allowing passengers to use mobile devices for self-service. SITA Bag Manager will provide real-time baggage tracking, improving efficiency and freeing staff for complex tasks. Additional systems, such as airport management tools and real-time information displays, will optimise resource allocation and keep passengers informed.

SITA will leverage existing infrastructure from the Air Taxi Terminal for a swift and cost-effective implementation, ensuring seamless interoperability across systems. This partnership highlights RSI's commitment to creating a digitally powered, efficient, and passenger-focused airport experience as part of its role in The Red Sea destination project.

Saudi Arabia's General Authority of Civil Aviation (GACA) and airport operator Matarat are implementing a nationwide passenger flow management system across the country's 27 airports, marking the world's largest deployment of such technology. The system, developed by SAMI Advanced Electronics, DTP, and Veovo, uses LiDAR sensors, stereo cameras, and Wi-Fi/BLE infrastructure to provide real-time insights into passenger movement, dwell times, and queue patterns. This advanced solution, powered by Veovo's Queue and Flow Management system and DTP's tNexus smart mobile platform, helps optimise operations by predicting wait times, preventing congestion, and recommending capacity adjustments. Airport staff can access real-time metrics and alerts via the tNexus Airport View mobile app, ensuring efficient management of critical areas like check-in, security, and immigration.

Already installed at Jeddah and Riyadh airports, the system will be rolled out to all Saudi airports over the next 18 months. It aims to enhance the passenger experience by reducing delays and ensuring smooth operations across multiple airports and terminals, aligning with Saudi Arabia's broader aviation development goals.

IDEMIA, a global provider of biometric solutions, has secured a 10-year extension of its contract with Australia's Department of Home Affairs to upgrade biometric systems at Australian airports. Building on its partnership with Australian border authorities since 2004, IDEMIA will implement advanced smart gates and kiosks equipped with upgraded biometric verification systems, streamlining passenger processing while ensuring robust security measures. The upgrades align with Australia's modernisation initiatives, preparing for increased international travel by integrating automated identity verification across multiple airport touchpoints. These systems aim to reduce wait times, improve operational efficiency, and enhance security through accurate biometric matching. IDEMIA's global expertise includes partnerships with over 600 government organisations and collaboration with SITA to improve air travel identity systems.

The project reinforces IDEMIA's commitment to leveraging technology for societal impact while upholding ethical standards and protecting human rights. The enhanced systems mirror cutting-edge technologies seen in other major airports, such as facial recognition systems deployed by the TSA in the United States.

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