

GROUND SUPPORT NEWS

Vladivostok International is the latest Russian airport to select a 100% Hold Baggage Screening (HBS) system from Logan Teleflex for a significant airport re-development programme to be completed in 2012. Logan Teleflex, which is now part of Daifuku's global baggage handling operation, will work with local partner Gate Technologies on domestic and international departures and arrivals baggage handling systems, co-located in a single terminal building. The baggage handling system is a tailored solution developed using technology compliant with international security standards and regulations for this developing airport, which is owned by Vladivostok Air, the largest carrier in the Russian Far East and Siberia.

The new international air terminal is being built as part of a wider reconstruction programme throughout the airport complex, and covers multi-level parking, taxiways and new runways. For the Departures systems, a total of 24 check-in positions (eight international and 16 domestic) will feed bags through to security screening lines utilising Gate Technologies-supplied L3 MVT-HR X-ray screening machines and Level 3 in-line X-ray screening machines. The system will have ample redundancy, provided by reversing collector conveyors and an OOG (Out of Gauge) departure line, which also has an in-line x-ray screening machine.

The Arrivals systems for both domestic and international passengers will feature Logan Teleflex-designed and manufactured M788 flat arrivals carousels to expedite baggage collection. M788 friction drive carousels will be used for Departure flight make up. #911.GSE1

Essex, U.K.-based Oakenhurst Aircraft Services is to promote and distribute Spokane Industries, Metal Products Division's unique ground-support products in the U.K. and Europe under a newly signed agreement. The initial products covered by the deal are Spokane's patented SealVac™ vacuum fuel drain bowser, which is claimed to greatly speed the process of defueling aircraft prior to maintenance, and the HandiFueller™ service cart which is used to optimize the daily servicing and refuelling of ground support equipment (GSE). Both products have been widely praised by operators and hundreds are in service worldwide. They are typically used by all types of MRO facilities servicing fixed-wing aircraft, and rotary-wing versions are in development.

SealVac™ is a defueling bowser which incorporates a unique vacuum-plate tool that attaches to the aircraft sump or drain point and ensures that fuel is rapidly extracted without any leakage or human contact with the fuel. Aircraft can be defueled as much as 20 times faster than gravity systems, taking minutes rather than hours, and health risks due to human/fuel contact are eliminated. HandiFueller™ is a ground support service cart which allows efficient and safe daily servicing of GSE with major productivity savings over older systems. #911.GSE2

Bangalore International Airport Limited (BIAL) has become the first in India, and among the first few airports globally, to have participated in and received certification through the IATA Baggage Improvement Programme (BIP). This certification testifies that BIAL, in coordination with all its partner airlines and ground handlers, has put into place all the key processes that ensure high

quality of baggage services and a negligible lost baggage rate. BIP provides the industry with solutions that address all causes of baggage mishandling and aims at reducing the rate of mishandled baggage by improving handling processes to ensure passengers and their baggage are reunited at final destination. -- Mishandled baggage costs the aviation industry an estimated USD 3.3 billion every year. It also affects 42 million passengers annually and is the second most important factor in having a pleasant trip, according to an IATA CATS survey. #911.GSE3

JBT AeroTech business has been awarded orders in excess of USD 14 million by a large air freight carrier for the supply of aircraft cargo loaders, de-icing vehicles and push back tractors. "We are pleased to continue supporting the cargo handling and ground support needs of the air freight industry," said John Lee, Vice President for JBT AeroTech Division. "This order represents the ongoing commitment of cargo air carriers to invest in new products that improve their operating efficiency." Equipment is scheduled for delivery in the third and fourth quarters of 2011. #911.GSE4

ULTra PRT (urban light transport - personal rapid transport) vehicles have started operating at London Heathrow Airport. The airport's operating company BAA needed to provide a means of travel **from the new Terminal 5 to remote parking.** Comparing several options, ULTra PRT provided a solution that was a 60% improvement on travel time, and produced 40% operating cost savings.

The PRT concept has been around for a few decades. However, Heathrow is the first full-scale implementation of the concept. By installing a PRT, lower value land use like parking lots can be located further from the terminal. This less costly solution to public transit also has the advantages of personal transit. The personal air-conditioned vehicles do not have to stop for other passengers. They run at about 25 mph on a dedicated track with off-road stops, avoiding all forms of traffic control and congestion. The 'podcars' are in constant communication with a control centre but operate autonomously using laser sensors. There is also a failsafe to keep vehicles from hitting one another.

The technology for some individual components is not cutting edge, but the system shows what can be done even with available equipment. The vehicles use a 4 x 45Ah, 48-volt lead acid battery pack that is recharged between stops and recycled when they are no longer usable. The front wheel drive motor typically draws about 2KW.

Potential PRT systems are being studied as replacements for transit systems throughout the world. At Heathrow, there is a study to continue the system into the central terminal to relieve congestion. Buses and trains can operate very efficiently when full during rush hours. During off-peak hours it would be more economical to operate smaller vehicles, but capital costs would rise with multiple vehicle types, some of which would always be idle. By operating closer together than vehicle traffic, a PRT system can make up for the size of the cars. It may also eventually be possible to operate the units on wireless transmitted power for an unlimited range and no charging times. #911.GSE5

Cavotec's Board of Directors of has unanimously approved the acquisition of U.S.-based INET, a leader in the engineering and manufacturing of ground support equipment (GSE). The acquisition is an asset deal with the consideration including the issue of 7.7 million shares at NZD 3.30 per share and a potential earn-out of maximum USD 4 million upon fulfilment of certain terms and conditions.

INET Airport Systems, established in 1967, is headquartered in Fullerton, CA, and is dedicated to the design, manufacturing, installation and support of stationary and mobile aircraft servicing equipment. Via their domestic and international sales and field support offices, INET supplies 400 Hz power conversion, preconditioned air systems, and power generation for the global aviation industry. INET revenues are averaging on a yearly basis more than USD 25 million, with levels of profitability in-line with Cavotec MSL's targets. Cavotec MSL expects to further develop the INET business as Mike Colaco, the former owner and CEO of INET, will become part of Cavotec's senior management, and will assume worldwide responsibility for the Airports Market Unit.

This acquisition further consolidates Cavotec's position in North America, with nearly 200 employees and colleagues working from three manufacturing facilities and from Cavotec's own local offices. The deal also marks a milestone in Cavotec's presence in the U.S. market, given INET's U.S. and international clients, which include Lockheed, Boeing, NASA, Northrop Grumman, as well as many international airports such as Miami, Bangkok, Cairo, Toronto and Vancouver. #911.GSE6

Dublin Airport in Ireland is planning to invest up to EUR 1 million on hundreds of new flight information screens to replace ones which are now "utterly unserviceable". The upgrade will take place throughout the airports at Cork and Shannon as well as at Dublin. The Dublin Airport Authority (DAA) believes that the screens in place now are not sufficient to communicate to passengers and staff. The DAA estimates that it will cost them between EUR 500 000 and EUR 1 million. A DAA spokesperson claimed that the decision to make the change was a standard move. He said that the old FIDS (Flight Information Display Screens) were approximately nine years old and coming to the end of their natural life cycle. "We are looking to replace over 500 of the old screens at Dublin, Shannon and Cork airports, and it is intended that this will be done on a phased basis," he said.

In addition to the upgrade of the information screens, the DAA also needs to upgrade their X-ray equipment at the four terminals. But the DAA said that these particular screens, in the baggage collection areas, needed to be updated to meet security requirements. #911.GSE7

Denis Lebel, Canada's Minister of Transport, Infrastructure and Communities, announced during a visit to Sept-Îles, QC, a CAD 15 million investment in six airports in the province of Quebec **on the (St. Lawrence River) North Shore and Lower North Shore and in Schefferville**, to keep the facilities safe and in operational condition and ensure the efficient pursuit of airport activities. The airports at Sept-Îles, Havre-Saint-Pierre, Natashquan, Chevery, Lourdes-de-Blanc-Sablon and Schefferville will receive significant investments to carry out projects and procure service equipment. These refurbishment and procurement projects were to be put out to public tender so that expert firms could be selected. The various project phases will begin this year and could extend to 2014. #911.GSE8

Airport Security

Auckland Airport and New Zealand's Aviation Security Service today has said that work has begun on an expansion of the main security screening operation at the domestic terminal. Auckland Airport General Manager Aeronautical Operations, Judy Nicholl, said: "We're pleased to advise that we are expanding the security screening area in the centre of the domestic terminal. In essence we

will be enlarging the screening area by taking over adjacent space currently occupied by some airport retail partners, knocking down some walls and refitting the space for the Aviation Security Service to install additional screening machines." Nicholl said: "Work will be completed with minimum disruption to passengers, and installed, tested and fully operational ahead of the commencement of Rugby World Cup 2011." #911.GSE9

Montreal-based Garda Security Group will take over security screening duties at Ottawa International Airport, among other facilities, after winning a CAD 650 million government contract. The Canadian Air Transport Security Authority (CATSA) signed a five-year agreement with Garda for screening at 15 airports in the central Ontario region, including Toronto's Pearson Airport and Ottawa airport. The contract is said to be the largest in the private security company's history. Garda did not previously have a contract at the Ottawa airport; the official changeover is 1 November 2011. In June 2011, CATSA spokesperson Mathieu Larocque said that it had 12 contracts for screening, with the main ones being Aeroguard Eastern Ltd (Ottawa, Vancouver and Winnipeg); Garda (Calgary, Edmonton, Toronto and Montreal); and Shanahan (Atlantic Canada). He said the aviation security agency was restructuring its administration of the screening contracts that would result in the country being broken into four regions. A contractor would only be able to win one of the four contracts, Larocque said. There is an option to extend the most recent contract for up to an additional five years. Garda will deploy 2000 guards under the agreement.

CATSA has also announced that it has selected G4S to provide airport security screening services in the Pacific region. The five-year contract means G4S Secure Solutions will provide services at 20 airports, including Vancouver International Airport, where the incumbent provider was Aeroguard. The contract, valued at more than CAD 408 million over the initial five-year term, will lead G4S to employ approximately 1400 people across the Pacific airports. The award builds on recent contracts secured by G4S to provide aviation security services at a number of key airports in Europe and the Middle East. -- G4S provides services at 61 other airports worldwide, with services including perimeter security, airside security, passenger, baggage and cargo security screening. #911.GSE10

The Air Line Pilots Association International (ALPA) and the Air Transport Association of America (ATA) has begun operating the first test site for the 'Known Crewmember' programme at Chicago O'Hare International Airport. Known Crewmember, a new enhanced security-screening programme for airline crew members, positively verifies a pilot's identity and employment status, strengthening aviation security and shortening screening lines for passengers.

"Since 2007, the Air Line Pilots Association has led a national effort, engaging with the Air Transport Association, the Transportation Security Administration, and the airlines, to make the Known Crewmember programme a reality," said Capt. Lee Moak, ALPA's president.

The Known Crewmember programme enables Transportation Security Administration (TSA) officers to positively verify the identity and employment status of airline flight crew members. As a result, airline pilots, who already undergo thorough criminal background and employment checks as a condition of their employment, will be subject to a more efficient security-screening process. It is the goal of ALPA and the ATA to make the programme available to all U.S. airline pilots, and more than a dozen airlines already

have connected to the system. The programme initially will be available only to pilots, but ALPA, like the ATA, has asked the TSA to include flight attendants in the future. #911.GSE11

The impetus for large-scale growth of the airport passenger screening systems market remains buoyed by rapid expansion of airport infrastructure to accommodate the projected substantial growth in global air traffic, according to a new Visiongain report. Evolving security needs post 9/11, both within the leading U.S aviation security market and throughout the world, will ensure long-term viability for the market of airport passenger screening systems. In 2011, the global expenditure on airport passenger screening systems is calculated by Visiongain to be USD 10 billion, a figure which is forecast to rise as current airport expansion plans continue. Large-scale expansion of existing airport capacity around the world, as well as a high number of new airports throughout the Middle East and Asia, are either planned or under construction to accommodate the rapid rise in global air traffic, China and leading airports in the Middle East, for example, are aggressively expanding capacity. Similarly, India is seeking to increase its commercial airports to create a system capable of handling up to four times its current capacity.

The Airport Passenger Screening Systems Market 2011-2021 report examines the scope of growth for airport passenger screening systems given the soaring demand for air travel, rapid emergence of low-cost carriers, the changing demographics of the world population, developing infrastructure, emerging economies and rising GDPs. The U.S has been at the forefront of the aviation security market for more than a decade; however, Visiongain identifies the Middle East and the Asia-Pacific as key regional markets to watch out for. As the aviation industry adapts to soaring demand for air travel, a wealth of opportunities for expansion of the airport passenger screening systems market looks certain. In emerging and mature markets, upgrades and expansion of airports to accommodate growing passenger numbers will provide new sources of demand for aviation security. In Asia Pacific and the Middle East, ambitious construction plans for new international and domestic airports will provide a wealth of new opportunities for airport passenger screening system manufacturers in these new vibrant commercial aviation hubs. -- To see sample pages of the report please click on:

<http://www.visiongain.com/report/666/the-airport-passenger-screening-sys...> #911.GSE12

Stronghold Engineering Inc. has been awarded a USD 4.7 million contract to fortify a security fence surrounding Los Angeles International Airport (LAX). The company will replace more than two miles of fence surrounding LAX along Imperial Highway and Aviation and Century boulevards. The new fence will consist of a 4-ft barrier wall, followed by 6 ft of steel chain mesh and topped with barbed wire, exceeding requirements set by the Transportation Safety Administration (TSA), according to an airport report. The current fence surrounding LAX complies with federal regulations, but does not have a consistent security design because it was built in several phases over the past decade, officials said. #911.GSE13

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