Shared Horizons

US - India
Aviation Cooperation Program

U.S.-India Aviation Cooperation Program : "A Partnership that Flies"

Welcomes
The Honorable Anthony Foxx
Secretary, U.S. Department of Transportation
April 8, 2015, New Delhi

Inside

CJ Collins
ACP Co-chair (Government) &
FAA Senior Representative
to South Asia

Yash Kansal
ACP Co-chair (Industry) &
Country Manager – India/SAARC
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Message from the Co-chairs

We are pleased to present to you the January – June 2015 issue of Shared Horizons. The highlights of the period were India's return to an FAA IASA Category 1 rating; the ACP's successful participation at Aero India 2015 in Bengaluru; an aviation security grant signing; and ACP coordination of high-level bilateral meetings between the US and Indian governments.

U.S. Department of Transportation, Secretary Anthony Foxx visited India in April and joined with ACP members in a luncheon and open discussion on aviation matters. He stated that "U.S. and Indian aviation officials have an important, cooperative working relationship. The U.S. Government commends the Government of India for taking corrective action to address the safety oversight issues identified during the IASA process." The ACP is proud to have supported the DGCA with technical advice and support in achieving the Category 1 rating.

Aero India 2015 provided a strong platform for the ACP to support its members and reach out to new U.S. companies. The ACP organized an event for members to meet with Minister Ashok Gajapathi Raju of the Ministry of Civil Aviation and Andhra Pradesh Chief Minister N. Chandra Babu.
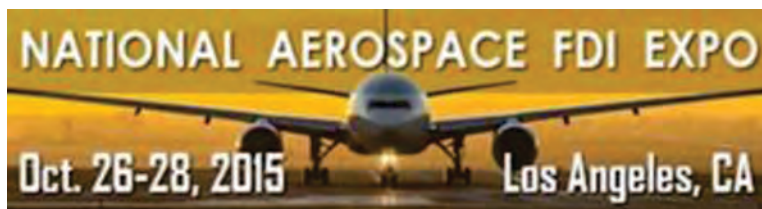
The U.S.–India Aviation Summit is now around the corner. The ACP looks forward to further strengthening the relationship between the U.S. and India during this event scheduled for Nov 3-5 in Bengaluru.

(CJ Collins)

(Yash Kansal)

NATIONAL AEROSPACE FDI EXPO
Oct. 26-28, 2015 — Los Angeles, CA

With a clear focus on attracting foreign investment in to the United States, President Obama has said, "The United States of America is the best place in the world to do business." Following a highly successful SelectUSA Investment Summit in March 2015, the U.S. Department of Commerce's Aerospace Team and SelectUSA have partnered with the Aerospace States Association (ASA) to organize an exposition in Los Angeles, October 26-28, 2015. This expo will mirror, on a smaller scale, the recent SelectUSA Summit, while focusing on creating opportunities for investment in the U.S. aerospace manufacturing industry.

At the expo, international firms (including manufacturers and investment companies) that are interested in investing in the U.S. aerospace industry will have opportunities to meet with U.S. firms in the aerospace industry, U.S. government officials, state and local government officials, economic development organizations (EDOs), and service providers (such as lawyers and consultants) to discuss their investment objectives. Commerce Department staff will help arrange these meetings in advance, to match the interests of potential investors with those of the EDOs and other participants.

In addition to one-on-one meetings, there will be a series of presentations aimed at informing international firms about the dynamics of the U.S. aerospace industry, including factors that make investment attractive. Confirmed speakers include senior officials from the Department of Commerce, Department of Defense, and the Federal Aviation Administration, as well as senior industry representatives (such as the president of Airbus' operations in North America).

This one-of-a-kind event is an opportunity for Indian aerospace industry leaders and investors to have up-close contact with their U.S. counterparts in a setting that is focused solely on the aerospace sector. It is not to be missed.

Registration fees for participants:
Non-Government Attendee - $550
Government Attendee - $400

National Aerospace FDI Expo website: http://www.aeroinvestmentexpo.com/

For more information, contact the Commercial section of the U.S. Embassy, New Delhi:

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U.S. Commercial Service
U.S. Department of Commerce
New Delhi, India

The Commercial Section of the U.S. Embassy promotes U.S. exports and helps American companies do business overseas. Additionally, we promote foreign direct investment into the United States. As part of the U.S. Department of Commerce's global network with seven offices throughout India, over 100 offices in the United States and more than 80 other international offices, we have the trade and export promotion resources that you need to develop your business in the U.S. and Indian markets.

If you're a U.S. company, the Indian market - with its one billion plus population - presents lucrative and diverse opportunities with the right products, services, and commitment. You can connect with these opportunities through our trade counseling, market intelligence, business matchmaking, and commercial diplomacy. For more details, please go to :
 www.export.gov/india.

If you're an Indian company looking to invest in the United States or searching for U.S. suppliers, the U.S. Commercial Service can help you as well. For more details, please go to:
 www.buyusa.gov/india.

Services for U.S companies:

Gold Key Service: The Gold Key Service (GKS) arranges pre-screened one-on-one appointments with potential business partners. GKS services include: four to six appointments with pre-qualified sales representatives and partners, appropriate government officials, related associations and others; escort by a U.S. Commercial Service staff member for meetings; and assistance with travel and accommodation at preferred rates.

International Company Profile: An International Company Profile (ICP) is a due-diligence check that helps U.S. companies evaluates potential business partners. An ICP provides a detailed background report, based on a variety of research sources, including an on-site visit by a Commercial Specialist and listing of the company's senior management, comments from company references and banking and financial information and CS India insight on whether the prospective partner can meet your business needs.

International Partner Search: The International Partner Search (IPS) is designed to help identify suitable Indian companies and distributors, who are keen to represent U.S. firms in India. IPS offers: Company report on four to six potential qualified sales representatives, agents, distributors, joint venture partners, licensees, or franchisees that are interested in your products and services; key contacts of interested Indian companies; and feedback from our Commercial Specialist after speaking with the interested companies.

Customized Market Research: U.S. companies can benefit from customized market research that can provide input on market size, market entry requirements, regulatory issues, key competitors, pricing analyses and other vital information required. Commercial Service staff will work with you to identify a local market research company among our panel of market research and consulting companies, and will work with that firm to deliver a market report that fits your needs.

NATIONAL AEROSPACE FDI EXPO

October 26-28, 2015   Los Angeles, CA

Co-sponsored by the U.S. Department of Commerce and the Aerospace States Association, the Expo will be the first stand-alone event in the United States focused on foreign direct investment (FDI) in the aerospace industry.

SPEAKERS

Learn from government and industry leaders
about the latest trends in the U.S. aerospace industry and foreign direct investment.

WORKSHOPS

Attend workshops, seminars, and presentations
on manufacturing, FAA and other federal regulations, R&D investments, and more.

MEETINGS

Network with U.S. state and local government
officials, top U.S. and international aerospace companies, and specialized service providers.

EXHIBITS

Showcase your region and its advantages directly
to aerospace companies from around the world.

VISIT OUR WEBSITE:
www.AeroInvestmentExpo.com

FOLLOW US ON TWITTER:
@AerospaceStates @SelectUSA

JOIN THE CONVERSATION:
#AeroFDI

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Aerospace States Association
www.aerostates.org

DEPARTMENT OF COMMERCE
UNITED STATES OF AMERICA

INTERNATIONAL
TRADE
ADMINISTRATION

SELECTUSA
www.selectusa.gov

ACP Members meet U.S. Transportation Secretary Anthony Foxx

During a meeting with ACP members on April 8, 2015, U. S. Transportation Secretary Anthony Foxx reiterated the importance of ACP as a platform to continue develop aviation related activities to strength US - India business ties. Secretary Foxx was joined by Under Secretary Peter Rogoff; USTDA Director Leocadia Zak; Assistant Secretary Susan Kurland; Special Assistant to Secretary Kevin Brown; Suzanne Emmerling, Director Public Affairs; Julie Abraham, Director Office of International Transportation and Trade; Laura DeCastro, Director Secretary's Scheduling; and Jason Hill, International Transportation Specialist.

During his visit, Secretary Foxx announced that India complies with international safety standards set by the International Civil Aviation Organization (ICAO) and has been granted a Category 1 rating under the FAA's International Aviation Safety Assessment (IASA) program. The announcement was made during a meeting between Secretary Foxx and India's Minister of Civil Aviation, Ashok Gajapathi Raju, in New Delhi

(L-R) US Ambassador Richard Verma; Secretary DoT Anthony Foxx with Minister of Civil Aviation Ashok Gajapathi Raju

"U.S. and Indian aviation officials have an important, cooperative working relationship," said Secretary Foxx. "The United States Government commends the Government of India for taking corrective action to address the safety oversight issues identified during the IASA process." A Category 1 rating means that the country's civil aviation authority complies with ICAO standards and permits India's air carriers to add flights to the United States using their own aircraft and carry the code of U.S. carriers on their operations.

ACP welcomes Secretary Foxx and Delegation

ACP Members meet USTDA Director Lee Zak and Global Procurement Initiative Team

On January 27, 2015 ACP members met with Director Lee Zak and apprised her on the ongoing ACP projects and future plans. Director Zak briefed the members about the upcoming Summit and her interactions with GoI officials. Director Zak expressed satisfaction with ACP's progress and looked forward to participating in future events.

Members interact with Lee Zak, Director - USTDA

ACP members also met with representatives of USTDA's Global Procurement Initiative team on April 20, 2015. Andrea Lupo, Regional Director Global Programs and Prof. Daniel Gordon, Senior Advisor Government Procurement Law Program, GWU briefed the members on the GPI program and how it may be helpful in the aviation sector.

The establishment of sound procurement policies and practices is fundamental to ensuring a fair and level playing field in international tenders. Transparent procedures for awarding contracts for goods and services establish accountability and encourage the cost-effective use of public funds, which creates dependable, stable and efficient markets. This is particularly important for public sector procurement in developing countries, where government spending can account for up to 20% of GDP.

ACP Members with USTDA GPI Team

Nevertheless, throughout many emerging economies, low-cost procurement policies pose an impediment to fair competition and to sustainable economic growth. By relying on low-cost as the determining factor for award, governments often fail to consider the benefits that can be gained from high-quality products and services that include warranties, maintenance agreements and reliable customer service. These policies also prevent firms from offering high-quality, innovative goods and services in order to keep their bidding price low.In order to address these issues, the U.S. Trade and Development Agency launched the GPI in August 2013.

The team also met with Ministry of Civil Aviation, Airports Authority of India and Ministry of Finance officials. The GPI Program is dedicated to assisting public officials in emerging economies to better understand the total cost of ownership for procurement of goods and services related to infrastructure projects.Adopting these practices and standards will improve governments' capacity to make better informed decisions that take into account all relevant costs of goods and services over their entire life-cycle.

ACP'S Exhibit Booth draws Crowd at Aero India 2015

For the first time, US – India ACP established an exhibit at India's largest aero show – Aero India which was held from 18th to 22nd February 2015 in Bangalore. ACP participated in the US pavilion alongside leading US aviation companies. Many ACP members also exhibited at the show while several others visited the event.

(L-R) Yash Kansal, ACP Co-chair (Industry) & Country Manager, Oshkosh Corporation; Marcus Jadotte, Assistant Secretary for Industry and Analysis Department of Commerce; Alexis Haakensen, Aerospace Industry specialist for Industry and Analysis Deparment of Commerce

Prime Minister Modi inaugurated the show and mentioned that it is becoming easier for public, private and foreign investors to manufacture aerospace equipment in India after the reforms initiated by the NDA government. He also mentioned the simplification of offset procedures and mentioned the need to have strategic partnerships rather than buyer seller relationships. He also stressed the requirement of one million skilled workers in the Aerospace industry in India in the next 10 years. A total of 72 aircraft were part of the air show and included air display teams from Sweden, UK, Czech Republic and Open sky jump by US Special forces. A total of 11 foreign military aircraft were on display including two F-15C Eagles, two F-16C Fighting Falcons, one Boeing KC-135 tanker, one C-17 Globemaster III and a P-8A Poseidon maritime surveillance aircraft.

(L-R) Yash Kansal, ACP Co-chair (Industry) & Country Manager, Oshkosh Corporation with US Ambassador Richard Verma visiting ACP booth at Aero India

Aero India 2015 provided a strong platform to ACP in supporting its existing members and reaching out to new US companies. ACP also organized a meeting for its members with the Andhra Pradesh Chief Minister N. Chandra Babu and Civil Aviation Minister Ashok GajapathiRaju at the event. The ACP booth was visited by several US and Indian dignitaries including US Ambassador Richard Verma; Marcus Jadotte, Assistant Secretary for Industry and Analysis Department of Commerce; Alan Shaffer, Assistant Secretary of Defense for Research and Engineering, Dr. Shefali Juneja, Director –Ministry of Civil Aviation among several other senior government and industry leaders. ACP will look forward to participating in more such events in future to support its membership.

(L-R) Dr. Shefali Juneja, Director MOCA; Mehnaz Ansari, USTDA Country Representative; Zeba Reyazuddin, First Secretary, EEST, US Embassy; DJ Rao, Sr. Econ Specialist, US Embassy visiting ACP booth at Aero India

stronger together

Our ideas, like our technologies, take flight over India every day.

More than 40 years ago, Honeywell began its investment in India with a vision to strengthen both our presence in India and our strategic relationships with Indian industry. Today, our commitment to India continues, with thousands of employees focused on delivering new technologies that reduce lifecycle costs while improving safety and efficiency. Working with the government, we continue to deliver innovative new products, services and technologies that make aviation safer, smarter and more energy efficient - making the possibilities of flight a reality, today and in the future.

Honeywell

Mission, Objectives & Focus Areas

Mission

The U.S-India Aviation Cooperation Program (ACP) was established in 2007 as a public-private partnership between the U.S. Federal Aviation Administration (FAA), the U.S. Trade and Development Agency (USTDA), other US Government agencies and U.S. Companies.

The ACP supports the growth of the Indian civil aerospace sector by working directly with the Government of India (GO!) to identify and execute projects that encourage collaborations between US and Indian stakeholders, in the area of aerospace technology and best practices.

Objectives

- Promote greater engagement between US and Indian Government agencies and industry to enhance civil aviation in India.
- Undertake projects that advance Cooperation in domains such as aviation safety, security, regulatory oversight and management.
- Provide training and technical assistance to accelerate excellence in aviation operations.
- Within India, increase awareness of, and facilitate access to, US expertise, technology and best practices to assist India's aviation growth.

Focus Areas

- Next Gen / Future Air Navigation System
- Air Traffic Management Modernization
  - Satellite-based Navigation System
  - Ground -based Navigation System
  - Automatic Dependence Surveillance Broadcast
  - Radar Integration
- Airspace and Airport analysis, Development and Planning- Using software simulation toolkits and GIS
- Aviation support Industry Development
- Aviation Human Resources -Foster partnership between U.S. and Indian training organizations
- Aviation Safety-Promoting Global Harmonization and sharing of U.S. Best practices
- Aviation Security - Enhance capacity to facilitate early adoptions of cutting edge technologies

In Partnership with

- Ministry of Civil Aviation (MoCA)
- Directorate General of Civil Aviation (DGCA)
- Airports Authority of India (AAI)
- Bureau of Civil Aviation Security (BCAS)

Ongoing Projects

- Technical, Management, and Operational Development Training (TMODT) Phase – II
- PBN (RNP-AR) at 3 Indian Airports
- GBAS Pilot project at Chennai Airport
- Airport Geographic Information System (GIS) for Indian Airport
- Aviation Security Equipment Testing & Evaluation Program (ASETEP)
- Aviation Safety Technical Assistance

2015 Projects

- Business Case for GAGAN Extension
- ProVision Body Scanner System Pilot Project
- International Aviation Safety Assessment (IASA) Program Category 1 Rating Sustainment and GA/BA
- Airport Terminal Energy Efficiency Pilot Project

Milestones

Year	Events
2015	Aero India 2015 at Bengaluru
2014	India Aviation 2014 at Hyderabad Grant agreement signed for ASETEP Grant agreement signed for India Regulatory Oversight Assistance Project
2013	Grant agreements signed for PBN, DGCA officers' training and Airport GIS US-India Aviation Security Seminar US-India Aviation Summit : Washington D.C.
2012	Grant agreement signed for Aerospace capacity software simulation project India Aviation 2012 at Hyderabad
2011	Grant agreement signed for launching GBAS in Chennai US - India Aviation Summit, New Delhi
2010	Grant agreement signed for Helicopter Safety Technical Assistance Automatic Dependent Surveillance - Broadcast (ADS-B) Seminar Ground Based Augmentation System (GBAS) Seminar India Aviation 2010 at Hyderabad
2009	Grant agreements signed for DGCA officers' training (Phase-i) and Aviation Standard Technical Training US-India Aviation Partnership Summit : Washington DC
2008	FAA Conduct a Air Traffic Management Training Program ATCO Manpower Assessment study Air Traffic Flow Management Seminar
2007	MOU between : US Department of Transportation, US Trade and Development Agency and Ministry of Civil Aviation US- India ACP Inaugural Session : ACP Formed US-India Aviation Partnership Summit : New Delhi
2006	Groundwork Meeting
2005	ACP Announced by Secretary Mineta and Minster Patel

THE WICKS GROUP PARTNERS WITH INDIA IN ATTAINING IASA CATEGORY ONE STATUS

In April 8, 2015, in New Delhi, India, U.S. Department of Transportation Secretary Anthony Foxx announced that the Government of India, with the assistance of The Wicks Group, a U.S.-based aviation consulting and legal firm, obtained the International Aviation Safety Assessment (IASA) Category 1 rating. India was awarded this Category 1 safety rating by the U.S. Department of Transportation's Federal Aviation Administration (FAA) following an FAA IASA assessment in December 2014, and a subsequent follow-up visit in March 2015.

Under the IASA program, the FAA assesses whether a foreign country's oversight of its air carriers (that operate, or seek to operate into the U.S., or codeshare with a U.S. air carrier, complies with ICAO international aviation safety standards. The FAA maintains two ratings for the status of a country's safety oversight compliance. A Category 1 rating means the FAA determines that the country demonstrates that it meets the ICAO standards for each of the critical elements of civil aviation safety oversight. A Category 2 rating is assigned when the FAA determines that the country does not comply with ICAO standards.

This Category 1 status means air carriers in India can now make changes in their existing service to the US, apply for new service to the U.S., and code-share with U.S. carriers.

The U.S. Trade and Development Agency (USTDA) provided primary funding for The Wicks Group's assistance to India Directorate for Civil Aviation (DGCA) in this project. In April 2014, The Wicks Group was selected by the DGCA to be the beneficiary of USTDA funding, and The Wicks Group and DGCA began working together in June 2014. The UDTDA funding demonstrated the U.S. Government's commitment to help India successfully achieve the internationally recognized safety standard.

The Category 1 achievement was noteworthy due to the compressed time period in which it was accomplished, and the size and scale of the DGCA organization overseeing an aviation environment as large as the one present in India. This Category 1 announcement evidenced particularly intensive efforts by both the DGCA and The Wicks Group to bring DGCA's oversight system into compliance with ICAO standards for each of the critical elements of aviation safety. The Wicks Group undertook a specific work plan designed to address the deficiencies evidenced in the FAA's 2013 audit of DGCA. This comprehensive work plan addred:

1. Certification of air operators and aviation training organizations.
2. Oversight of designees.
3. Training of newly hired operations inspectors and existing inspectors as needed.
4. Improvement of regulations and guidance materials in accordance with international norms.
5. And, most importantly, organizational structure improvements so as to ensure that technical personnel carry out technical tasks, as required by international standards and norms.

The US-India Aviation Cooperation Program gave valuable support to the Category 1 project effort by providing information and recommendations to The Wicks Group and DGCA project team.

US - India
Aviation Cooperation Program

ACP Members meeting on June 30, 2015

ACP Members meeting on May 27, 2015

ASETEP Contract signing Ceremony on April 24, 2015 at AAI, New Delhi

ACP Members meet with U.S. Transportation Secretary Anthony Foxx on April 08, 2015

Over The Period

ACP Members meeting with V. Somasundaram, Member-ANS, AAI, on March 30, 2015

Mehnaz Ansari, USTDA Country Representative; Zeba Reyazuddin, First Secretary, EEST, US Embassy with US Navy personnel at Aero India 2015

ACP Members meeting with Hon'ble P. Ashok Gajapathi Raju, Union Minister of Civil Aviation & Hon'ble N. Chandrababu Naidu, Chief Minister of Andhra Pradesh at Aero India 2015

ACP Booth at Aero India 2015: (L-R) Swati Srivastava, Events Manager, IACC - Karnataka; Nidhish Jain, Program Assistant - ACP & Jitika Narang, Manager Membership, IACC - Karnataka

ACP Members meet with Lee Zak, Director - USTDA on January 27, 2015

Keeping Passengers Safe with Advanced Security Screening

As security requirements and concerns continue to evolve and become increasingly complex, airports worldwide need to keep pace by protecting passengers and commerce without impeding their movement. To help address these demands, L-3 Security & Detection Systems (L-3 SDS) ProVision® 2 is a reduced-size personnel screening system that provides safe, image-free threat detection capabilities.

The system is approved by the Transportation Security Administration (TSA) for primary screening at airports across the United States as well as by the European Civil Aviation Conference (ECAC). It is deployed in airports worldwide.

L-3's ProVision 2 automatically detects a broad range of metallic and non-metallic items, both low and high density materials, including guns, knives, liquids, gels, rubber, wire, powder, plastics and ceramics, as well as sheet and bulk explosives, using safe millimeter-wave technology. The system does not use X-rays or any ionizing radiation. ProVision allows travelers to be screened quickly and conveniently due to its simple operation. It only requires a passenger to assume a single, stationary position during a 1.5-second scan. The system operator views a generic mannequin image that is the same for everyone. Threats or contraband are indicated in colored boxes on the mannequin, facilitating a very directed search and limiting or eliminating time-consuming and intrusive pat-downs.

On the outside, the ProVision 2 conserves space with a significantly smaller footprint for easy installation in areas with 8 foot (2.4 meter) ceilings. Its modern and attractive exterior is compact to fit into tight aviation checkpoint areas.

On the inside, the ProVision 2 provides an image-free solution that eliminates privacy concerns. Advanced state-of-the-art software processes digital scan data and determines if the individual can be cleared through the checkpoint. The ProVision 2 offers customers an upgradeable technology platform that can be enhanced

The ProVision® 2 provides safe, image-free threat detection capabilities

through software updates as new threats and requirements emerge.

Enhanced Security

Terrorists constantly search for clever ways to conceal aviation threat substances. The ProVision 2's unmatched detection software is optimized for aviation requirements. The system eliminates the ambiguity of hand searches and detects a range of threats metal detectors simply cannot.

Safe Radio Waves

The ProVision 2's patented sensing mechanism is based on millimeter-wave technology using safe radio waves that pose no health and safety risks. These signals pass through all types of clothing, but do not penetrate the body. The reflected waves are captured by the system's sensors. The ProVision 2 does not use ionizing radiation, such as X-rays, and is tens of thousands of times less powerful than other commercial radio frequency devices like cell phones, wireless handsets and

other standard household devices. The ProVision 2's millimeter wave technology has been extensively evaluated by regulators worldwide including the U.S. Food and Drug Administration, Health Canada and the Dutch Institute of Applied Science (TNO), and found to be completely safe.
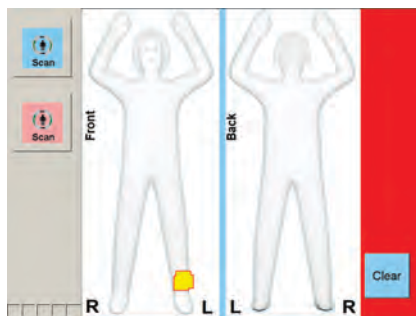
Potential areas of concern are mapped onto a generic mannequin.

Image-Free Technology

The ProVision 2 boasts similar privacy protocols as walk-through metal detectors since images are not generated. Numeric scan data is analyzed by software without human intervention to determine if any threats are present. Potential areas of concern are mapped onto a generic mannequin, which is identical for everyone, and presented to the operator. Security personnel can then assess the situation. If nothing is detected, a green screen with an "OK" appears and security personnel can clear the individual.

If no item is detected, a green screen with an "OK" appears and security personnel can clear the individual.

Efficient Operations

When it comes to throughput, there's no match for the rugged, reliable ProVision 2. The system requires less than 1.5 seconds to scan an individual for a complete multidirectional view, and less than six seconds total time for the scan and decision. The ProVision 2 can support processing 200 – 300 people per hour, depending on the application and supporting security protocols. The ProVision 2 reduces the need for time-consuming physical hand searches that can limit throughput levels. In addition to being more invasive and stressful for the individuals being screened, these hand searches place a high degree of physical stress on security personnel. With The ProVision 2 there's no need for the repetitive bending and stretching required for physical inspections.

Future-Proofed Solutions

L-3 SDS manufactures some of the most sophisticated air travel security systems available today. L-3 systems efficiently scan passengers and their carry-on luggage at the checkpoint, while their checked baggage is sent to high-speed scanners located behind the scenes. With commercial passenger air travel forecasted to increase by four to five percent annually over the next 20 years, these system solutions are meeting the urgent need to effectively and efficiently screen large volumes of passengers and their luggage for dangerous explosives and other threats.

While ProVision 2 has been optimized for aviation applications, it may also be suitable for select non-aviation environments.

Solutions offered by L-3 SDS address current security requirements with a software-based architecture that is upgradable to counter future and emerging threats and meet the most demanding customer expectations and regulator requirements. L-3 delivers superior detection, high throughput and outstanding reliability – all backed by one of the industry's largest and most experienced global service teams.

For over 30 years, L-3 Security & Detection Systems has developed and manufactured cutting-edge security screening solutions using advanced technologies that include 3-D computed tomography (CT); automated, conventional and high-energy X-ray; active millimeter wave imaging; metal detection; radiation detection; and energetic materials detection. The company is a leading supplier of checked baggage, personnel, checkpoint, port and cargo screening solutions worldwide.

Oshkosh Corporation launches Striker Simulator at Interschutz Hannover 2015

Game changing training system operating successfully at Chicago's O'Hare airport.

Striker Simulator at Chicago O'Hare airport

Oshkosh Airport Products Group, LLC, an Oshkosh Corporation (NYSE: OSK) company demonstrated the new Simulator virtual reality training system at Interschutz 2015, June 8-13 at Hannover, Germany. Already on duty at Chicago's O'Hare International, the Striker Simulator system is engineered to depict a nearly endless array of training scenarios for Aircraft Rescue and Fire Fighting (ARFF) needs.

Oshkosh Corporation, a US $7 billion Fortune 500 U.S. company, is the world's largest manufacturer of specialized vehicles including ARFF and has sold over 4600 ARFF vehicles across 1500 airports in 130 countries including leading airports in the region such as Changi, Incheon, Mumbai, Dubai, Beijing and many more. The Strikers supplied by Oshkosh meet or exceed the standards established by ICAO, NFPA, and FAA.

As the leader in the Aviation Fire & Rescue sector, Oshkosh Corporation introduces a fresh concept of training of fire fighters with "the Striker Simulator"- A "green solution" with zero environmental impact engineered to depict a nearly endless array of emergency situations and scenarios. The system incorporates video footage and illustrated environments of Striker vehicles in action – with views from both inside and outside of the cab and with a full audio track. The system depicts different environmental and weather conditions such as rain, snow, fog, night, and bright daylight. It can accurately depict the delivery of dry chemical, foam, water, and even Halon.

At its most basic configuration, the Oshkosh Striker Simulator includes a laptop computer that is synchronized with a steering wheel, joystick

Real time runway situations simulated under realistic weather conditions

Cockpit styling identical to the Striker's Complete mobility control and foam / Snozzle® operation

control, and pedals. Advanced configurations (such as the one at Chicago's O-Hare International) include actual Striker cockpit components and a complete 180-degree view ahead – featuring up to three 70-inch widescreen HD monitors – and a fourth overhead monitor showing the Snozzle® high reach extendable turret (HRET) in action.

The incident commander has total flexibility to custom design training scenarios. The Striker Simulator system includes a Scenario Toolbox that enables incident commanders to easily develop highly realistic and varied emergency situations from an easy-to-use drop-down menu.

The Striker Simulator safely trains the crew for situations that would otherwise be impossible or costly to recreate. With authentic Striker operating tools and graphics that are customizable to your airport, you can tailor a training program as real as the runway. You could train on a laptop or a fully immersive wrap-around simulator. The Striker Simulator can be configured around every budgetary and airport protection need.

The Simulator displayed at the event witnessed great enthusiasm from fire fighters globally with several visiting from Indian airports too. Oshkosh Corporation has a wholly owned subsidiary in India with its registered office in New Delhi. In India, two Strikers are in operation at the nearly Mumbai airport and another two can be seen at the new airport in Durgapur, West Bengal. Another two latest Generation Global Strikers are currently on way to Mumbai International Airports Limited (MIAL).

While a traditional ARFF firefighter may typically participate in real-world training once every year or every other year, the Striker Simulator virtual reality training can be ongoing and on a regular schedule. The Striker Simulator system enables more realistic, more varied, and more intensive training opportunities.

The Oshkosh Striker Simulator system is unlike anything else available on the market, and delivers a giant leap forward in realism, with actual Striker vehicle cockpit components and controls along with a series of widescreen video monitors. The Striker Simulator can mimic training scenarios that can't be safely accomplished at a traditional training center, such as fuel spills and even passengers exiting an aircraft. With its high profile international launch at Interschutz, Striker Simulator is expected to revolutionize training requirements for the aircraft rescue and fire fighting needs.

Subhash Kumar, GM, AAI (L) at Oshkosh's Striker booth in Interschutz, Germany

Morpho Detection – A global leader in explosives and narcotics detection technology

Morpho Detection is a leading supplier of explosives, narcotics and contraband detection systems to government, military, airports and air cargo facilities, first responder, critical infrastructure and other high-risk organizations.

For more than 20 years, Morpho Detection has been committed to giving our customers the capability to quickly and accurately detect and identify the presence of explosives, narcotics, and other threats before they materialize. Morpho takes an integrated, multi-technology approach to deliver advanced security screening solutions that meet the most demanding operational standards. As a result, Morpho has developed some of the most widely deployed solutions used today to protect people and property worldwide.

Trace Detection

Trace detection—the discovery and identification of microscopic particles and vapors emitted by explosives, narcotics and harmful substances—plays a key role in countering the increasingly complex aviation security risks posed by terrorism and other threats. By detecting a wide range of substances with greater accuracy, speed and dependability than ever before, innovative trace technology can help close security loopholes by reliably detecting residue from explosives and narcotics on skin, clothing, parcels, bags, cargo, vehicles and other surfaces.

Morpho's ITMS™ trace technology is incorporated into the Itemiser® and MobileTrace® families of desktop and handheld explosive trace detectors (ETD) currently deployed to screen passengers, cabin and hold baggage and cargo at leading global airports including in the U.S., China, Canada, EU, Brazil and Japan.

Throughout India, many airlines including Jet Airways, SpiceJet, IndiGo and Blue Dart use Morpho Detection's ETD systems across various cargo hubs.

Morpho has shipped more than 23,000 ETD systems worldwide.

Hold Baggage Screening

Built on advanced Computed Tomography (CT) explosives detection and certified by the U.S. transportation Security Administration (TSA) and other global regulatory agencies, CTX™ automated explosives detection systems (EDS) screen checked baggage in the most challenging airport environments.

The CTX 9800 DSi™, capable of screening more than 1,000 bags per hour (BPH) in high-speed configuration, was recently selected by airports in Japan, Canada, France, United Kingdom and the United States to enhance hold baggage screening capabilities. The compact CTX 5800, which combines Morpho's advanced imaging technology into a smaller and lighter solution is currently in-service at leading global aviation hubs.

In India, Indira Gandhi International Airport has deployed Morpho Detection's CTX explosives detection system to screen checked baggage in the new Terminal 3. Morpho also deployed CTX detection technology at Bangalore International Airport to screen checked baggage in the newly expanded terminal.

Morpho is approaching 2,000 CTX EDS deployed worldwide –more than any other manufacturer.

A local partner

Morpho Detection has deployed more than 800 explosives, narcotics and chemical trace and bulk detectors, along with X-Ray screening machines, across India to protect people and property in some of the most challenging environments. Beyond aviation, The Ministry of Home Affairs selected MobileTrace to screen materials and people at several high-profile events including the ICC Cricket World Cup 2011, Commonwealth Games 2010 and IPL Matches. Morpho Detection's explosive detection and X-Ray baggage screening machines are deployed at many critical infrastructure locations including defence locations, corporate offices, IT Parks, five-star hotels, banks, ports, refineries, embassies, airports and cargo companies across major Indian cities.

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2015 U.S.-India Aviation Summit

NOVEMBER 3-5, 2015 | ITC GARDENIA HOTEL | BENGALURU, INDIA

The U.S. Trade and Development Agency, in partnership with the Government of India and the U.S. - India Aviation Cooperation Program, is pleased to sponsor the 5th U.S. - India Aviation Summit, November 3-5, 2015, in Bengaluru (Bangalore), India. The Government of India has identified $110 billion in civil aviation expansion and modernization projects up to 2020. India is projected to become the world's third largest aviation market by 2020, handling 336 million domestic and 85 million international passengers annually. Learn more about the specific project opportunities your company can pursue by signing up to attend the 2015 U.S. - India Aviation Summit.

DO NOT MISS THIS OPPORTUNITY TO:

- Connect with high level decision makers in the public and private civil aviation sectors of the United States and India;
- Meet one-to-one with potential project partners to identify potential sales opportunities;
- Learn important project details about large scale civil aviation development in India related to:
  - Airport modernization,
  - Air traffic management,
  - Air navigation and communications systems,
  - Aviation security equipment,
  - Business and general aviation technologies and services, and more!
- Showcase your organization's services/equipment/best practices that can support civil aviation development in India;

The Summit offers a technical, policy, and commercial forum to assist Indian civil aviation agencies and aviation industry representatives, including Indian private sector airlines and airport operators, to identify and specify advanced U.S. technology and practices that would best suit their expansion and modernization needs. It is an anticipated event that will promote the sale of U.S. equipment and services in a competitive Indian aviation market. Learn about how to bring higher visibility to your company through sponsorship of the event by contacting Spencer Dickerson, AAAE, in the United States at phone 703.578.2511 or email spencer.dickerson@aaae.org.

The American Association of Airport Executives (AAAE) is supporting USTDA to execute the Summit.

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