

Sharjah International Airport

**Four-fold expansion project
moves full steam ahead**

*Ali Salim Al Midfa
Chairman
Sharjah International Airport*



10 GLOBAL NEWS
Qatar Airways Cargo
launches first route
to Latin America



30 FEATURE
Sun protection for
drugs in transit



38 PROFILE
Concor – Linking air,
sea and land



52 AIRPORTS
Air BP adds sixteen
new airports to
Chinese network



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Air Cargo Update serves as a platform to share news and discuss critical issues within the Air Cargo Industry from the Middle East, South Asia and African region.

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Editor's Note

Strongest growth of any region

The GCC countries led by the UAE have been maintaining their status as a safe haven for investment despite the ongoing problems in the wider region. As other countries in the Middle East, unfortunately, continue to struggle with issues such as political and economic instability, investors both from the region and overseas prefer to setup their businesses here. Even several international corporations have relocated their headquarters to Dubai in recent years attracted by the value proposition in the city's many free zones.

The neighboring emirate, Sharjah, in the UAE is also another success story. With available land and established manufacturing businesses as well as modern air and sea ports, Sharjah is registering strong economic growth and even making headlines in international media by hosting large scale events. In this edition, we take a look at Sharjah International Airport and the region's leading low cost carrier Air Arabia and try to highlight the reasons of the airport's and airline's success as several airlines in the region have failed to survive.

Another enlightening article on transportation of pharmaceutical and temperature sensitive cargo underlines the importance of maintaining the right temperature throughout the journey. Considering the extremely hot temperatures in the GCC during summer months, any minor neglect in the coolchain may cause losses worth millions. That's why regulatory authorities are introducing stringent controls to ensure that the safety and efficacy of these products is not compromised by unacceptable temperature deviations during transport and storage.

The next expert article talks about forecasting cargo trends at eight major airports around the world. The Middle East may still be 'relatively' immune to the effects of global economic slowdown but the airports in Europe feel the impact of declining international trade. Forecasting and coming up with 'accurate' results helps the airports make right decisions when it comes to expanding passenger or cargo facilities or even building a new runway.

Touching upon the subject of growth, Middle Eastern carriers reported that air cargo demand expanded 8.7 per cent compared to the previous April. IATA says this is slightly slower growth compared to previous months, but still 'the strongest growth of any region'. But, demand has not grown in recent months for global air freight markets. Traffic levels in April were slightly below those of January and 1.1 per cent lower than what was recorded in March.

Enjoy reading Air Cargo Update and remember to send in your comments and suggestions to help us improve the look and quality of our magazine.

Sincerely,
Editor, Air Cargo Update

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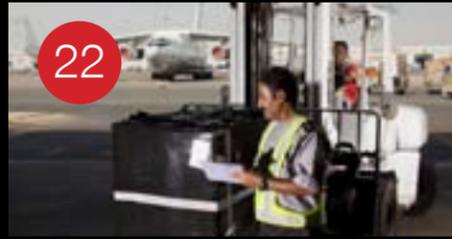
CONTENTS

10. Global News

Qatar Airways Cargo launches first route to Latin America

20. Cover Story

Sharjah International Airport Four-fold expansion project at full steam



26. Feature

Sun protection for drugs in transit

Air cargo forecasting at major airports

Myanmar set to become next aviation hub of Asia

38. Profile

Linking air, sea and land

41. Events

MRO Network to host engineering & maintenance conference in Muscat

50. Airports

German group signs agreement with Henan Province Airport Group

54. Trucking

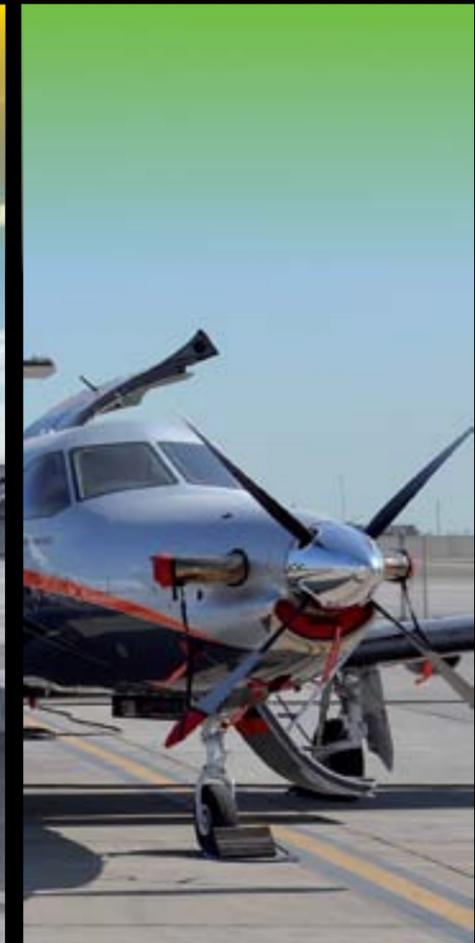
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flydubai Cargo thanks its partners



Mohamed Hassan, flydubai's Vice President of Cargo

flydubai Cargo held for the first time a Business Partner Recognition Dinner to recognize the hard work, dedication and commitment of its distributors and partners. The event, held in Dubai, concluded a day of workshops and meetings designed to explore the challenges and opportunities in the logistics and cargo sector.

Hamad Obaidalla, Chief Commercial Officer at flydubai, said: "As with any operation within our airline, success is achieved by teams working efficiently together. Our partners, with their belief in our airline, have helped us build flydubai Cargo into an integral part of the business. We are grateful for the help and support of our cargo partners and look forward to building on this success."

At the dinner, certificates of recognition were presented to flydubai Cargo's top performing agents and partners by flydubai's Chief Commercial Officer, Hamad Obaidalla and flydubai's Vice President of Cargo, Mohamed Hassan.

"We launched our cargo division only two years ago and today we transport 3,200 tonnes of cargo on average per month. Our event is just a small way to thank those who have helped flydubai Cargo grow into the operation that it is today," said Mohamed Hassan, flydubai's Vice President of Cargo.

Since beginning operations, flydubai Cargo has achieved several milestones. flydubai provides cargo services to 74 destinations across its network and interline agreements with other carriers give it access to more than 250 destinations.

Furthermore, flydubai operates flights to 48 destinations which did not previously have direct air links to Dubai. In January 2012, the airline's cargo division implemented electronic Air Waybills (e-AWB) throughout its operation reducing the amount of paperwork needed for cargo deliveries while streamlining the process between different entities.

Etihad Airways to establish training college

Etihad Airways announced it is establishing the Etihad Flight College, a world-class flight training facility in the United Arab Emirates for Emirati and international cadet pilots. As a first step in establishing this college, Etihad Airways is in the process of acquiring the fixed wing training division from Horizon International Flight Academy (Horizon), a wholly-owned subsidiary of Mubadala Development Company.

Based in Al Ain, Horizon has provided helicopter (rotary wing) training programs since 2003, and airplane (fixed wing) training since 2007. At Horizon, pilots can qualify for their Private Pilot's License (PPL), Commercial Pilot's License (CPL) or Airline Transport Pilot License (ATPL). Horizon currently has 210 trainees enrolled in its aviation training programs and has been the selected training provider for Etihad Airways' cadet pilots for the last seven years.

Subject to regulatory approval, Horizon's fixed wing division will be acquired by Etihad Flight College, a wholly-owned subsidiary of Etihad Airways. The remaining rotary wing division will be Horizon's key area of focus with plans to consolidate and continue to grow the business. The assets to be acquired include 13 Cessna 172SP Skyhawk aircraft, three Diamond DA42NG aircraft, two flight training simulators and Horizon's hangar facilities at Al Ain International Airport. Etihad Flight College will also implement the innovative Multi-Crew Pilot License (MPL), a competency-based training program that is focused on developing cadet pilot candidates into high quality First Officers on completion of their training.

Saudia Cargo launches Pharma.2.World Active for pharmaceuticals



Nabil Khojah, CEO Saudia Cargo

Saudia Cargo announced the introduction of its new Pharma.2.World Active product, effective 15 May 2014. Using the latest design in sophisticated active heating and cooling cargo containers, the Active solution is able to maintain the correct internal temperatures required for the transport of essential pharmaceutical and life science products, whatever the external temperature may be.

"We are very excited to be launching the first phase of Pharma.2.World

Active," commented Nabil Khojah, CEO at Saudia Cargo. "This new product will enable us to offer a reliable, high quality service to the pharmaceutical and life science industries for which temperature management is crucial."

Saudia Cargo customers will have access to the latest air cargo containers specifically designed for pharmaceutical and life science products thanks to an agreement with Envirotainer and CSafe, under which they can lease a choice of active containers from selected origin

points on the Saudia Cargo network. A major upgrade to the airline's Riyadh facilities and selected origin points will ensure that the correct product temperature is maintained throughout the journey.

Additional benefits of Pharma.2.World Active include: ready-to-lease containers offering temperature control ranging from -20°C to +25°C; a dedicated product manager with specially trained staff and specific handling procedures; temperature, battery and re-icing checks as necessary during acceptance, transit and delivery; and priority access to capacity on selected flights and pre-alerts to facilitate customs clearance and delivery.

Pharma.2.World Active shipments can be booked via local Saudia Cargo sales offices and will initially be available to/from Riyadh, KSA. Subsequent phases will see the rollout of the product to additional stations within the Saudia Cargo network.

Saudi Airlines Cargo operates a fleet of 15 freighters and sells the belly-capacity on 145 passenger aircraft for Saudi Arabia's flag carrier Saudia. The cargo airline also provides cost-effective and practical worldwide charter flight solutions from a growing fleet of dedicated charter aircraft.

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GLOBAL NEWS

Safi Airways to operate direct flights from Kabul to Jeddah



Safi Airways, the privately owned international airline of Afghanistan will start operations from Kabul to Jeddah, the Kingdom of Saudi Arabia from the 9 June 2014. The inaugural flight will leave Kabul on 9 June 2014 at 7 P.M. local time and scheduled to arrive at 10.30 P.M. local time at King Abdulaziz International Airport Jeddah. The return flight will depart Jeddah at 11.55 P.M. local time and arrive the next day morning in Kabul at 6.20 A.M. Safi Airways will operate direct flights from Kabul to Jeddah on Mondays, Wednesdays, Fridays & Sundays.

John Brayford Director Commercial of Safi Airways commented "The flights between Kabul and Jeddah will be operated by Boeing 767 aircraft with a two cabin configuration, business and economy class. The 767 will offer 12 business class seats and 196 economy class seats, providing comfort and style with our new catering services. In the coming months we intend to announce operations to couple of other destinations in the GCC, which will give the traveling public from Afghanistan convenient connections at value for money pricing," Mr. Brayford stated.

Naeem Mahamoor Safi Airways Marketing Manager stated, "We are delighted that we have been able to meet our customers need in having a direct flight between Kabul and Jeddah for our community who travel round the year for pilgrimage to Mecca and Medina."

Qatar Airways Cargo launches first route to Latin America



Qatar Airways Cargo will start operating its twice-weekly freighter service to Mexico City (Mexico) on 11 June 2014. This new dedicated cargo route will mark the start of Qatar Airways Cargo operations in Latin America.

"The first Qatar Airways Cargo flight to Mexico will be a historic moment for us, as it heralds the beginning of our operations in Latin America," said Qatar Airways Chief Officer Cargo, Mr. Ulrich Ogiemann.

Qatar Airways Vice President Cargo for Americas, Mr. Ian Morgan said: "Mexico has one of the world's largest economies, and it boasts one of the most developed manufacturing sectors in Latin America. The new dedicated Qatar Airways Cargo service will create new and exciting opportunities for businesses in Mexico and beyond."

Qatar Airways Cargo will operate the twice-weekly service between Doha and Mexico City's Licenciado Benito

Juarez International Airport, using the Boeing 777 freighter. Freighters will depart from Doha's state-of-the-art Hamad International Airport on Wednesdays and Sundays and from Mexico on Mondays and Thursdays.

Major exports from Mexico include cars and vehicle parts, consumer electronics (televisions, mobile phones, LCD displays), oil and oil-derived products, silver, perishables and pharmaceuticals.

Qatar Airways Cargo recently strengthened its product portfolio with the launch in January 2014 of two new premium services that optimize the transportation of time- and temperature-sensitive goods, including high-value pharmaceutical products and perishables. The new services, QR Pharma and QR Fresh, add to the company's substantial range of cargo services and further enhance its capacity and flexibility to effectively move sensitive commodities in line with the highest world-class standards.



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Emirates ups services to India



Emirates' A380 was last in India in March at the Indian Airshow in Hyderabad

Emirates will expand its A380 network to 28 destinations, when it launches a daily A380 service to Mumbai International Airport on 21 July. EK 500 and EK 501 between Dubai and Mumbai will be up-scaled to a three-class A380 aircraft, representing with a capacity increase of 2,127 seats per week in each direction. This offers passengers

flying to India from key destinations in North America and Europe the chance to experience Emirates' hugely popular flagship aircraft on this route.

In addition, Emirates will deploy larger Boeing 777 aircraft to Delhi and Hyderabad to serve growing demand. Delhi will have 980 additional one-way weekly seats

while Hyderabad will increase its capacity to add 672 one-way weekly seats.

A combined total of 3,779 one-way weekly seats will be deployed on Mumbai, Delhi, and Hyderabad through these aircraft upgrades. This follows the recent bilateral discussions between the governments of Dubai and India, which provided a phased increase of 11,000 seats for Dubai carriers.

"Air transport is an important economic driver. It facilitates trade and tourism, and has a multiplier effect through direct and indirect job creation. Emirates has been serving India since our founding year in 1985, and it is our largest market today which we serve with 185 flights each week. We look forward to working with the new Government in India to grow India's economy through enhanced aviation connectivity and to realize India's ambition to grow its international aviation market to 85 million passengers by 2020," said Ahmed Khoory, Emirates' Senior Vice President, Commercial Operations- West Asia & Indian Ocean.

Carriers must embrace change to survive – Coyne

Carriers must embrace change to survive in a new airfreight landscape defined by emerging global brands, modal shift, and growing freight capacity on passenger planes, according to Larry Coyne, CEO, Coyne Airways.

Cargo migrating to both surface transport and passenger planes has changed the economics of freighter operations, putting traditional operators and owners under pressure, he told delegates at the 10th Annual Meeting of the Air Cargo Club (ACC). At the same time, the rise of a small number of global brands will cause casualties amongst independents and force a seismic shift in the way the industry operates, he said. He said passenger carriers were becoming bigger and more aggressive

players in the long-haul freight business, and ownership of large freighters was becoming an unattractive proposition.

"There is a likelihood that more and more carriers will exit that business," he said. Coyne added that deliveries of wide-body planes, which were, in effect, "mini-freighters", were predicted to grow by over 8000 in the next 20 years, bringing more services to more destinations and cutting into the main deck freighter market. "There are only about 500 wide-body freighters operated today, mainly by express carriers, so you can see what adding passenger cargo capacity equal to around 100 freighters a year will do to this market," he said. Coyne pointed to a recent survey by Seabury revealing that an estimated 15.2 million

tonnes of airfreight had been lost to surface between 2000 and 2013, equal to 11,000 B777 freighter flights a year.

"It is creaming off some of the growth that air used to enjoy and has reduced it from a potential 7.3 per cent growth to 2.6 per cent a year," he said. Meanwhile, legacy carriers are lining up to co-brand, and younger airlines are using minority ownership to create powerful single brands as an alternative to alliances or code sharing. "A smaller number of world brands is going to make life difficult for independent carriers unless they have a special niche they can protect. Airlines not part of one of these global brands will find it increasingly difficult to compete and many will be forced to join in or risk being driven out of business."



Virgin Atlantic lends support to UNICEF



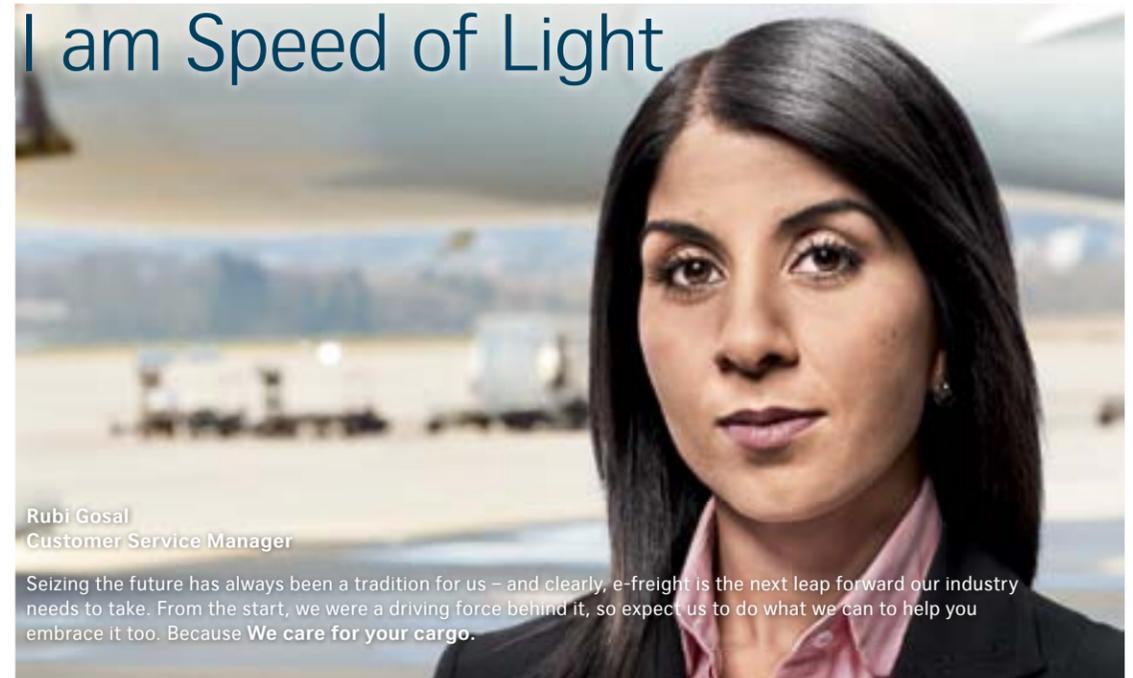
Over 82 tons of medical supplies and equipment needed to help victims still dealing with the aftermath of Typhoon Haiyan have reached the Philippines after Virgin Atlantic Airways offered its support to UNICEF and Save the Children. With four of its aircraft heading to the Philippines for routine maintenance work, Virgin Atlantic

approached the charities to offer the cargo capacity on the flights free of charge. Shipments destined for UNICEF staff on the ground in the Philippines and the country's Department of Health included hospital equipment, water purification tablets and life-saving drugs to treat malaria, bacterial infections and diarrhea. The flights also carried

kits for midwives to help mothers give birth safely and protect their babies in the first months of life, crucial drugs and medicines, including amoxicillin to help fight off bacterial infections, and medical equipment that helped Save the Children re-equip and run mobile health units and hospitals in affected areas.

Simon Porter, Virgin Atlantic Cargo's Operations Manager, Heathrow, said: "It is six months since Typhoon Haiyan struck the Philippines and its tragic consequences led to a global relief effort and public donations as a result of news coverage and appeals straight after the storm. However, the relief effort carries on long after the media leave and organizations such as UNICEF and Save the Children continue to do an outstanding job helping the long-term victims. We are pleased that we had the opportunity to help them in their vital work."

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Flying Colours eyes global growth



Flying Colours Corp. the Canadian completions, refurbishment and maintenance specialist has completed the first phase, of a three phase expansion plan, at its Peterborough, Ontario headquarters. The new 20,000 sq ft extension to an existing hangar was finished in April 2014 and is already housing a number of projects. These include an extensive corporate shuttle program that has seen six Bombardier CRJ 200 regional airliners converted to a 16 business class seat configuration, with a further three currently undergoing work. In addition a number of special mission conversions are in process which reflects a new sector of the aviation business for Flying Colours and will be promoted at this year's EBACE 2014 where the company is exhibiting on Booth 1646.

The extra space, which took an investment of US\$3.5 million, is equipped to handle refurbishment projects, avionics installations and upgrades, heavy maintenance projects and full interior completions, and will also be used to support the continued rise of the Canadian company's large jet completion and maintenance capabilities. It is currently working on multiple Bombardier Global aircraft and Challenger 870 conversions for clients from Europe, Asia, and North America. Other projects in the pipeline include multiple large cabin completion/

refurbishments for both VIP and special mission aircraft, and it is anticipated these projects will have significant maintenance tasks associated with them.

"The completion of this first phase of expansion underpins our international strategy for growth," explains Sean Gillespie, VP Sales and Marketing, about the three phase expansion, "We have a robust client base from the USA and Asia, but have noted that we are receiving an increasingly higher percentage of requests from European and Middle Eastern owners/operators. Africa has also come online for us and we were literally running out of space for current and future workloads. The new hangar means we can accommodate a greater variety of aircraft types up to Global Express models."

Flying Colours is eyeing Africa's potential and has already completed two Nigerian-based aircraft this year, a Bombardier Challenger 604 and a Learjet 35 and has three more orders in final discussion phases. Phases two and three are anticipated to complete in 2015. The extra 45,000 sq ft will incorporate an additional large cabin hangar, increased shop space for maintenance and interior workshops, and a new down draft paint facility. When completed a total of 65,000 sq ft will have been added to the facilities.

DHL expands Thermonet service for Life Sciences and Healthcare

DHL Global Forwarding, the air and ocean freight specialist within Deutsche Post DHL, announced that 15 more certified Life Sciences stations are going live in the second quarter of 2014, primarily in the Americas and EMEA (Europe, Middle East, Africa) regions. Adding to the existing Thermonet network, DHL is spreading the service across the globe for Life Sciences and Healthcare customers with temperature-controlled airfreight shipment needs.

"Our customers in the Life Sciences and Healthcare sector are looking for better ways to manage the risk of product damage and loss from temperature deviations in increasingly long and diverse supply chains globally. With DHL Thermonet we are defining the new standard to tackle these requirements", said Roger Crook, CEO DHL Global Forwarding, Freight and Executive Board sponsor for the Life Sciences and Healthcare sector.

In recent years, temperature controlled products for the pharmaceutical industry have gained significantly in importance. The driving force is biotechnology products, which generally must be kept within a strict temperature range during transportation. The worldwide sales volume of this product category tripled from USD56 billion in 2004 to an estimated USD 167 billion in 2013.

DAE signs long-term lease agreements with Libyan Wings

Dubai Aerospace Enterprise (DAE) Ltd. announced the signing of long-term lease agreements with Libyan Wings, a Tripoli based airline, for two Airbus A319 aircraft. Both aircraft will be delivered in 2014.

DAE Managing Director Khalifa H. AlDaboos said: "We are delighted to provide these aircraft to Libyan Wings to launch their airline and commence their operations. We look forward to working with the owners and the management team to support their growth requirements." Meanwhile, DAE has engaged John Paterson as a consultant to help strengthen and its StandardAero franchise in the Asia Pacific region.

Paterson will join the Board of Directors of StandardAero, DAE's world leading independent MRO business.

Paterson brings more than three decades of industrial, aerospace, engineering and airline expertise to StandardAero's Board of Directors. He recently retired as President, Marine & Industrial Power Systems for Rolls-Royce Group, plc. In 2004, Paterson joined Rolls-Royce as Managing Director of Repair and Overhaul from The Swire Group, where he was Chief Operating Officer of Hong Kong Aircraft Engineering Company (HAECO). "John's global credentials and extensive experience in OEM, airline and various commercial and service

delivery industries make him an ideal board member and we look forward to leveraging his deep knowledge and professional counsel to help guide StandardAero toward continued success," said Mr. AlDaboos.

DAE is a globally recognized aerospace company specializing in maintenance, repair and overhaul (MRO) services, aircraft completions and aircraft leasing. The company is headquartered in Dubai and operates in four continents and employs approximately 4,000 people.



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Air Serbia sees turnaround with strong results



Air Serbia, the national airline of Serbia, has announced significantly improved performance in the first three months of the year with a 66 per cent increase in total passenger numbers to 364,924, compared with the same period in 2013. The airline's passenger carrying capacity, which is measured by available seat kilometres (ASKs), has jumped 93 per cent resulting in a 47 per cent increase in revenue during the first quarter of 2014. Over the same quarter, Air Serbia inducted three Airbus aircraft – two A319s and one A320 – into its fleet. The increase in passenger numbers is being seen across the network, boosted by connectivity with the Etihad Airways global network. The Chief Executive Officer of Air Serbia, Dane

Kondić, said: "Air Serbia has built a solid foundation in the six months since it was launched and is on track to break-even in 2014. The improved passenger numbers and revenue reflects the growing appeal of the airline for leisure and business travel across the Balkan region and beyond. In addition to strong growth in passenger revenue, we are also growing very important cargo revenue, which provides more stability to the revenue base of the business."

Cargo tonnage increased 46 per cent to 175 tons in the first three months compared with the same period last year, as the network expanded, reliability improved and the cargo capability has

been marketed effectively to customers. Cargo comprises general cargo items, perishables, including exports of local Serbian cheese, as well as spare industrial parts and electronics.

Air Serbia has also negotiated a series of codeshare agreements, which are helping to build passenger numbers and revenue. Up to the end of March, Air Serbia has expanded codeshare agreements with Etihad Airways, airberlin, Tarom, Adria Airways and BH Airlines.

Aviolet launched

Meanwhile, Serbia's newest charter service, Aviolet, has launched operations from Belgrade's Nikola Tesla International Airport. Aviolet is fully operated by Air Serbia.

Aviolet will operate three Boeing B737-300 aircraft configured in a 144-seat all-economy layout. From Belgrade, Aviolet will fly to Sharm el-Sheikh in Egypt; Cephalonia, Chania, Corfu, Heraklion, Kos, Mykonos, Mytilene, Rhodes, Santorini, Skiathos and Zakynthos in Greece; Catania, Dalaman and Palermo in Italy; Almeria, Girona and Palma de Mallorca in Spain; and Antalya and Milas-Bodrum in Turkey.

Air freight markets show modest slowdown

The International Air Transport Association (IATA) released data for global air freight markets in April showing demand (measured in Freight Tonne Kilometers or FTKs) was 3.2 per cent above previous year levels. Demand has not, however, grown in recent months. Traffic levels in April were slightly below those of January and 1.1 per cent lower than what was recorded in March.

Latest data show that prior improvements in the demand environment are experiencing some reversal. Largely as a result of further slowdown in the emerging markets, mostly China, indicators of business

confidence slipped further in April. Levels still point toward growth, but at the weakest pace for the past five months. World trade growth has also slowed over recent months. However, momentum in advanced economies remains intact, and export orders still point to expansion. This suggests that current sluggishness in the demand drivers is likely temporary. "Trading conditions for air freight are difficult. Overall, business activity and trade have shifted down a gear after a strong end to 2013. And this is taking its toll on growth in the air cargo sector. Developed economies are still maintaining post-recession momentum and the expectation is for a stronger

finish to the year," said Tony Tyler, IATA's Director General and CEO.

The air cargo sector is committed to improving its attractiveness to shippers through efficiency. The goal is to reduce shipping times by 48 hours before 2020. A centerpiece of this effort is the e-freight initiative which seeks to modernize the air cargo sector with paperless business processes. "Air cargo's sales proposition is speed, and cumbersome processes are holding us back. In March we reached a significant milestone. For the first time, the e-Air Waybill (e-AWB) was used for over 200,000 shipments. That's good news but we still have a long way to go," said Tyler.



Capricorn Logistics develops Germany route



Capricorn Logistics Pvt Ltd (CLPL), an Indian based leading global supply chain service provider, recently announced immediate expansion plans including a joint venture organization in the UAE; and starting operations & warehouses in Dubai World Central (DWC) and other GCC countries to provide its customers with sustainable costs for multimodal logistics solutions and consolidation services.

Established in 2001, Capricorn Logistics Pvt Ltd works in partnership with Karl Heinz Dietrich GmbH & Co. KG (KHD) for the Germany Lane. KHD/

CLPL in partnership works with several industry vertical majors across the globe and has an established presence in the UAE with significant volumes to and from Germany, China, USA and India. In the past, it had successful transitions in significantly low streamlining time for the customers with volumes of 15,000 plus shipments per annum.

According to Sheetal Shetty, group managing director, Capricorn Logistics Private Limited, the company's new route is from Germany to Dubai (airfreight) and the features include daily consolidations from Germany to Dubai;

movements in direct air carriers; blocked space with direct carriers like Lufthansa etc.; competitive rates; and flat rate structure across the weight slab.

Mr Shetty adds that Capricorn Logistics' array of tailor-made solutions ranges from air freight, ocean freight, surface transportation, door to door express service, customs brokerage, 3PL, 4PL & 5PL to industrial solutions. By combining local know-how and global expertise Capricorn Logistics provides time-specified service, innovative and customized solutions and satisfaction to its list of clientele.

With an increased competition in the emerging global economy, more and more companies are outsourcing their logistics functions and Capricorn Logistics delivers comprehensive supply chain solutions by adopting the latest technologies and e-capabilities.

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GLOBAL NEWS

CHEP Aerospace Solutions signs agreement with Hawaiian Airlines



CHEP Aerospace Solutions has signed a five-year agreement with Hawaiian Airlines for the supply and management of ULDs. CHEP Aerospace Solutions is providing Hawaiian Airlines with containers and pallets from its global pool of more than 58,000 ULDs and will also transition the airline to fuel-saving and more environmentally friendly lightweight containers.

Hawaiian Airlines Managing Director of Cargo Sales and Service, Tim Strauss, said: "As we expand our operations with a growing fleet of aircraft and additional destinations, we also value the flexibility of being able to adjust ULD

stock levels on a monthly basis. The supply and management of ULDs by CHEP Aerospace Solutions will further reduce costs and increase efficiencies. The transition of our container fleet to lightweight units will also provide us with significant fuel savings and reduced carbon emissions."

CHEP Aerospace Solutions President, Dr. Ludwig Bertsch, said: "We are delighted that Hawaiian Airlines has joined our growing list of ULD management customers and we are now able to provide one of the largest US carriers with our all-inclusive ULD management solution.

Hawaiian Airlines complements our existing pooling network very well and the increased synergies in key stations in the United States and Asia also benefit our other customer airlines. Hawaiian Airlines has received several on-time performance awards and other industry recognition and we are committed to supporting its continued efforts in service excellence by supplying the right ULDs, in the right place, at the right time. Our maintenance and repair station in Honolulu, in addition to other facilities within our global network, will further reduce the total cost of ownership of ULDs for Hawaiian Airlines."

LeasePlan Emirates achieves high customer loyalty score



Hicham Boujeri, Commercial Director of LeasePlan Emirates

LeasePlan Emirates, the UAE's leading long term vehicle leasing and fleet management company, has attained high scores across the board on its 2013 TRI*M Loyalty Index, an

annual survey conducted by a global company based in Belgium, achieving a 10 percent higher rating than its 2012 score.

The TRI*M Loyalty Index is acclaimed for its scrutiny on the critical factors of customer service. Examples of the highest rated elements of LeasePlan Emirates' business include: fulfilment of promises by LeasePlan's agents, accuracy of vehicle quotations and ability to provide them in a timely manner, client's easy access to customer service agents, efficiency in

ordering new vehicles, rapid response time to customer queries and overall enthusiasm of the LeasePlan staff.

While the customer loyalty survey can be attributed to LeasePlan Emirates' commitment to service excellence, a strong factor was also the company's increased penetration in Dubai. Since the Q1 2013 launch of its Dubai office in Business Bay, LeasePlan has continued to grow its customer base, catering not only to corporate clients, but government entities, semi-government enterprises and SME's as well.



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Sharjah International Airport

Four-fold expansion project moves full steam ahead

Sharjah International Airport is all set to receive 200 additional flights weekly this summer and has embarked on a large scale expansion project to continue offering excellent service to airlines and passengers

Ali Salim Al Midfa, Chairman of Sharjah International Airport



Sharjah is located between the city of Dubai and other Northern Emirates and known to be a thriving city, which is famous for its culture, heritage and numerous other tourist attractions. The emirate is also renowned to be a business hub which attracts entrepreneurs with its conducive atmosphere to business.

Sharjah International Airport's history goes back to 1932, when it was known to be a stopover point by Imperial Airways – the forerunner of British Airways, which constructed an airfield at Sharjah as a stopover en-route to India and Australia.

Today, the airport is the Middle East region's leading air transportation gateway and is considered to be a leading cargo hub in the region. In 2012, the airport added eight new cargo airlines to further enhance its position as one of the best cargo handling facilities and services in the region. Sharjah follows an 'Open Sky Policy' which permits airlines' traffic rights without any hindrance.

Expansion project ongoing

To cope with air traffic increase, Sharjah International Airport has embarked on a four-fold expansion project; both air side and land side to ensure the excellence of quality service provided to airlines and passengers using the airport.

Expecting to see 25 million passengers by 2025, the airport is set to operate a new capacious runway alongside the old one by September this year. The project consists of the main runway spanning 4,060 meters and a width of 60 meters, has two taxiways and 10 connecting corridors which are intended to secure the aircraft out of the main runway in the shortest time to the hangar.

A senior official said the new airstrip will suffice the future needs of the third-biggest airport in the United Arab Emirates, particularly for large and new generation code-F aircraft such as A380, apart from the expected 14 million passengers in 2017 and the already one million tons of shipment capacity.

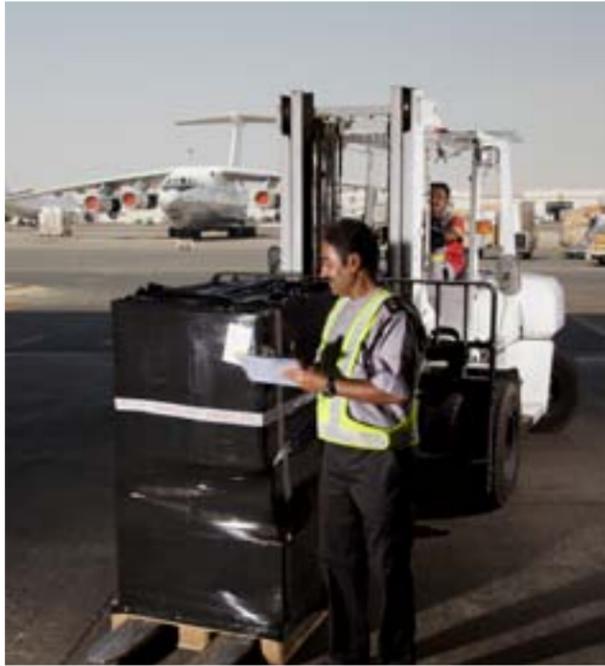
The airport has further contracted with construction company Bechtel to do a thorough development plan for the airport. The project also includes the implementation of a 15-km service road and the construction of a security fence extending 10 km as well as implementation of the rain water drainage network.

"The eight-month plan, to be ready this September, will identify the expansion trends of infrastructure projects in the airport and surrounding northern or southern areas," said Ali Salim Al Midfa, Chairman of Sharjah International Airport.

Sharjah International Airport has reported 8 per cent increase in passenger traffic in the first quarter of this year. The passenger statistics showed that 2.25 million passengers used



COVER STORY



the airport from January to March 2014, growing from 2.08 million during the same period a year ago. In addition, aircraft movements increased to 16,373 while 51,045 and cargo activity handling rose to 51,045 tonnes.

There are leading airlines which operate flights from the Sharjah International Airport including Air Arabia, Air Blue, Air India, Air India Express, Cebu Pacific Air, Egyptair, Jet Airways, PIA, Qatar Airways and Srilankan Airlines and many others. Besides, international cargo flights are also operated from Sharjah International Airport. Among these, Air Arabia is the main airline which flies to more than 90 airports throughout the world.

2030 Master Plan

Sharjah International Airport believes its 2030 Master Plan will be able to attract new airlines. According to a top official, Sharjah International Airport is waiting to complete its 2030 Master Plan, which will include a logistics area connected to the planned Etihad Rail network.

Much of Sharjah's growth over the past decade has been fuelled by Air Arabia that added eight new destinations this year. Sharjah International Airport handled 7.5 million passengers in 2012, a 13.6 per cent year-on-year jump from the previous year. In an effort to maintain these performance levels, Sharjah International Airport officials recently held discussions with the Ministry of Interior to develop facilities that will streamline passenger flows in and out of the airport. The airport has become the preferred travel option of many because of the efficiency of procedures, excellent services and its strategic location.



The airport has also announced that it will see an influx of 200 additional weekly flights as airlines commence their summer schedule. The increase in weekly flights will come from a mixture of commercial and cargo operations including Srilankan Airlines, Qatar Airways and Saudia Cargo.

Furthermore, as Dubai International Airport's runways are under renovation from 1 May until 20 July for 80 days, some of the flights have been diverted to Sharjah International Airport. This temporary move is expected to put additional pressure on the airport's load. Among the airlines that have diverted their flights are Air India, Air India Express, Pakistan International Airlines (PIA) and Cebu Air Pacific.

"Sharjah International Airport is gearing up to meet with this new demand, both with regards to resource and infrastructure. Recently, the airport appointed 100 passport control officers, and opened 20 additional check-in counters to ease the travel and immigration formalities, as well as providing additional temporary gates to ensure the smooth and fast completion of the procedures," added Mr. Al Midfa.

Agreement with Gama Aviation

Sharjah Airport Authority (SAA) signed an agreement with Gama Aviation, the global aviation services company, permitting the company to manage private/business aviation services at Sharjah International Airport, including

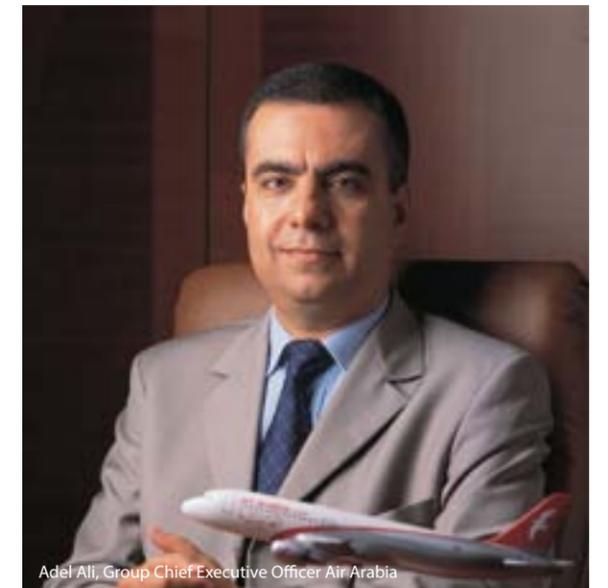


COVER STORY

all procedures and processes, starting from issuing landing permissions to the handling of passengers and crews.

The agreement between SAA and Gama Aviation was signed by Ali Salim Al Midfa, Chairman of Sharjah Airport Authority and Richard Lineveldt, General Manager MENA for Gama Aviation respectively, in the presence of Shaikh Khalid Bin Essam Al Qasimi, Chairman, Department of Civil Aviation, Emirate of Sharjah.

Gama Aviation took over the responsibility for handling all business travellers at Sharjah International Airport in early 2012, but the company has been present in Sharjah as a charter operator since 2006.



Adel Ali, Group Chief Executive Officer Air Arabia

Leading low cost carrier - Air Arabia

The government of Sharjah launched its own airline, Air Arabia, on October 28, 2003, which is a low-cost airline operating to 91 destinations in the Middle East, North Africa, the Indian subcontinent, Europe and Central Asia. The first flight was from Sharjah International Airport to Bahrain International Airport. Despite the tough competition in airline business, the airline is profitable from the first day of its commencement. As expected, the resultant increase in passenger throughput via Sharjah International Airport has been dramatic.

Air Arabia does not only transport passengers, but also offers cargo delivery services. The carrier operates cargo services to more than 50 destinations, which continuously grow. Air Arabia deals with corporate customers in the region and worldwide such as Aramex, Emirates Post, UPS, FedEx and DHL. Furthermore, it is in bid to deliver cargo across a wider network, Air Arabia has expanded its cargo reach in



collaboration with major freight carriers as interline partners such as Lufthansa, Cargolux, Singapore Airlines, Etihad Cargo, Air France, KLM, Oman Air, Leisure Cargo and many more.

Adel Ali, Group Chief Executive Officer Air Arabia, was awarded world's low cost airline "CEO of the year" 2007, 2008, 2009 and has been given credit for setting up the Middle East and North Africa's first low-cost carrier (LCC), Air Arabia. Adel has brought over 27 years of strategic aviation, tourism and marketing experience to Air Arabia since the company commenced operations in October 2003. Adel's distinctive leadership style, vision, skilful management combined with his charisma, makes him an inspiration to his team.

Fourth international base - RAK

On 6 May 2014, the airline started its operations from Ras Al Khaimah, one of the seven emirates in the UAE. The inaugural flight departed from RAK International Airport to Jeddah in Saudi Arabia. The launch of operations followed the recent establishment of an Air Arabia hub at RAK International Airport, which is the airline's fourth international base, and second in the UAE.

Two new Airbus A320 aircraft have been based at Ras Al Khaimah International Airport, following a strategic partnership signed between the airline and Ras Al Khaimah Department of Civil Aviation. Air Arabia launch routes include direct services to Jeddah in Saudi; Cairo in Egypt; Muscat in Oman; Islamabad, Lahore and Peshawar in Pakistan; Dhaka in Bangladesh; and to be followed by Calicut in India.

Contract with Turkish Technic

Air Arabia recently selected the subsidiary of Turkish Airlines, Turkish Technic Inc. for its component and support services. Turkish Technic and Air Arabia signed a component support contract in Istanbul, Turkey. The contract comprises component supply and repair on ATA Chapter basis.

Components will be supplied from Istanbul and all repair and overhaul work of the components will be executed at the Turkish Technic sites in Istanbul.

Mr Ali expressed Air Arabia's trust in Turkish Technic's quality of services and also feeling appreciation to have the support of the leading MRO in the region with its comprehensive services. He added "We are recognized for high quality services and on-time departures and Turkish Technic component support services will be an ideal support to our technical operations."

Air Arabia revenues

Recently, Air Arabia announced a net profit of Dh435 million for the 2013 financial year, a 2 per cent increase compared to the same period in 2012. According to an official release, the airline's turnover for the full year ending December 31, 2013, stood at Dh3.2 billion, up 14 per cent compared to the same period in 2012. More than 6.1 million passengers flew by Air Arabia in 2013, a 15 per cent increase compared to 5.3 million passenger carried in 2012. The airline's seat load factor – or passengers carried as a percentage of available seats – for the full year ending December 31, 2013, stood at 80 per cent.

Air Arabia's net profit for the fourth quarter ending December 31, 2013, stood at Dh94 million, up 12 per cent compared to Dh84 million reported in 2012. The airline's turnover for the last quarter of 2013 was Dh811 million, an increase of 8 per cent compared to Dh753 million during the same period in 2012. The airline carried more than 1.5 million passengers in the fourth quarter, an increase of 15 per cent compared to the last quarter of 2012, the press release added.

"Air Arabia has enjoyed consistent and sustained growth since launching operations back in October 2003, and our performance in the year of our tenth anniversary was no exception. The network expansion strategy, which has guided the airline for a decade, continued to reap rewards in 2013, helping us to once again deliver a strong set of results," stated Sheikh Abdullah bin Mohammad Al Thani, Chairman of Air Arabia.

In the first three months of 2014, Air Arabia also added three new destinations from its main base in Sharjah: Cairo in Egypt, Antalya in Turkey, and Shymkent in Kazakhstan. The airline also added extra frequency to existing routes, including an additional daily service between Sharjah and Doha.

After serving over 37 million passengers, Air Arabia has firmly established itself as one of the rare success stories in the region and a strong participant in the regional skies. The airline's steady growth has always been driven by its loyal customer base, with its philosophy of offering the best services and greater connectivity across its route network.

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Sun protection for drugs in transit

The latest triple-action air cargo covers from DuPont provide vital sun protection to pharmaceuticals that are exposed to potentially damaging solar radiation during their journey to market



Pharmaceuticals is a huge global industry with a total market value approaching a trillion dollars. Pharmaceutical production is concentrated in a small number of manufacturing centres and the resulting drugs and medicines typically travel halfway around the world in their journey from factory to pharmacy.

Temperature-related spoilage of pharmaceuticals during air transportation is a huge problem for the industry and regulatory authorities around the world are introducing stringent controls to ensure that the safety and efficacy of these products is not compromised by unacceptable temperature deviations during transport and storage. The most recent of these regulations is the European "Good Distribution Practice" (GDP) and this seeks to ensure that manufacturers and shippers maintain a safe and satisfactory 'coolchain' for their products during transit.

In recent months the world has witnessed a succession of temperature extremes generally attributed to global warming and believed to be part of a long-term pattern of greater weather severity and uncertainty. It is a trend that has not gone unnoticed by an industry that relies on being able to keep goods in transit under strictly controlled temperature conditions.

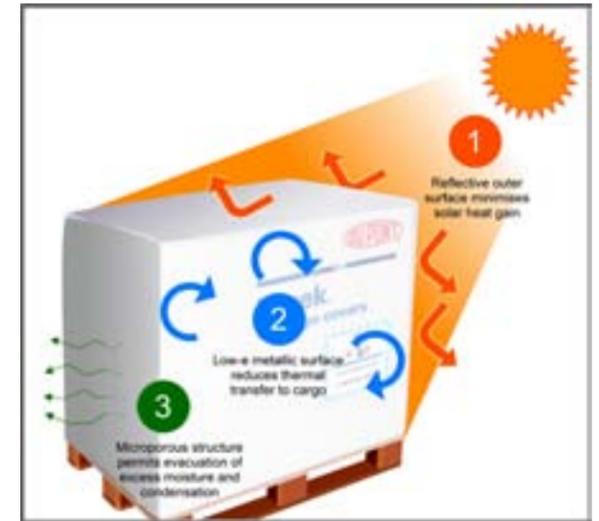
"As the frequency and intensity of extreme weather events accelerates so does the need for improved temperature control of pharmaceutical products during their transportation to market," says Tony Wright of Exelsius Ltd, a respected coolchain consultancy.

Weakest Link

One of the weakest links in the pharmaceutical coolchain, however, relates to a high incidence of solar radiation spikes during external air handling operations, a problem that is causing some manufacturers to switch from fast and efficient air carriage to the considerably slower sea freight; an option offering relatively poor traceability and flexibility.

"Solar radiation is a prime cause of air-freight temperature excursions," continues Tony Wright. "This is a huge concern for major pharma companies who at any given point in time will have millions of pounds worth of merchandise in transit across the globe. A single temperature excursion can wipe out the entire value of a shipment causing enormous commercial, logistical and reputational loss."

This is the issue which the DuPont corporation is addressing with its new range of 'triple action' Tyvek® air cargo covers. These are lightweight 'thermal blankets' that provide a reliable and affordable means of protecting pharmaceutical products that must be kept within the 'controlled room temperature' (CRT) temperature band of +15°C to +25°C in accordance with the latest EU legislation.



New Generation Protection

The new generation, Tyvek® Air Cargo covers are a typical coolchain passive protection component designed to provide cost-effective off-the-shelf CRT protection for pharmaceuticals. The Tyvek® solution employs a unique triple-action approach to temperature control which renders them a very effective and cost-efficient solution to CRT control (see Fig 1).

During early validation tests for the Tyvek® covers DuPont observed first hand the significant, but oft-ignored, effects of solar radiation on palletised pharma products. Temperature spikes of up to 15 degrees celsius above ambient were being regularly measured under normal outdoor conditions. Other similar direct sunlight tests have recorded surface temperatures as high as 70 degrees celsius or more and these are temperatures that can be further magnified by local conditions such as the 'mirror' effect of nearby glass or metal clad buildings.

Moisture Problems

The high humidity in hot coastal locations such as Dubai brings a further problem for pharmaceutical distributors, that of condensation. Condensation occurs when the air surrounding the merchandise, which has been heated during, for example outside loading or unloading operations, is cooled rapidly perhaps when it enters the temperature-controlled cargo-belly of a freight plane or when it is taken indoors to a temperature-controlled storage zone or when it is transferred to a refrigerated truck. The resulting moisture release can be highly damaging to merchandise and to both its packaging and labelling.



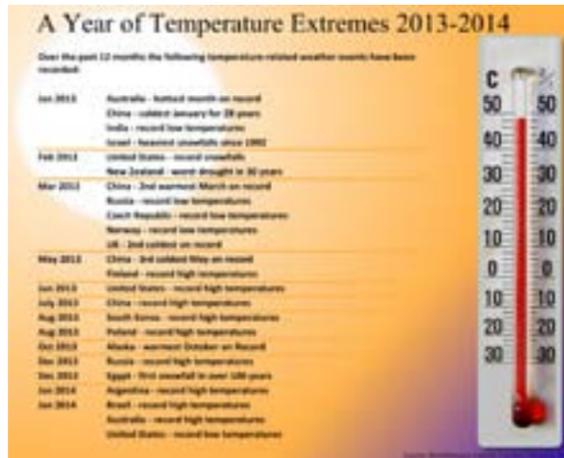
FEATURE



And the problem doesn't stop there. The use of clear or black cargo coverings creates a very powerful 'greenhouse effect' as the sun's rays are absorbed and trapped. This was another phenomenon observed in the Tyvek® validation tests. Temperature differences of as much as 43 degrees celsius were recorded between clear shrinkwrap and Tyvek® when exposed to solar radiation during recent tests in Florida. This is because common packaging materials such as stretchwrap and bubblewrap can provide a 'greenhouse effect' by trapping

sunshine the surface temperature the product packaging can easily reach dangerous levels.

"Many route qualification programmes rely on data derived from average ambient temperature conditions and fail to take into account the huge solar exposure effects that can be encountered during loading and off-loading operations, often the result of unplanned delays or disruptions," says Aynur.



heat and increasing the surface temperature of the pharma merchandise way beyond the surrounding air temperature. The triple-action Tyvek® air cargo covers restrict this solar heat gain because of its exceptional reflective properties in both the visible and infrared radiation wavelengths.

Huge Losses

Aynur Rasulova-Rzepa is a Special Products Consultant and Manager at one of Dubai's top cargo agencies, International Transport Services FZCO. In this Gulf city, summer temperatures in the shade are routinely in the mid-40s but can easily be several degrees higher than this during particularly hot spells. These, however, are the temperatures in the shade. Where pharmaceutical shipments are exposed to direct

Deadly Heat: Pharmaceuticals queued outside on an airport loading zone are subject to exactly the same solar gain phenomenon that you get when you leave a car parked in the sun. In fact controlled tests by DuPont showed that an inside-outside temperature difference of 27 degrees Celsius can be readily achieved in sunshine conditions. In the case of pharma shipments that are exposed to direct sunshine, many factors will affect the temperatures experienced but even in the winter months radiated solar heat can result in surface temperatures well beyond the 'safety zone' for most pharmaceutical products."

"Even brief exposures and occasional sunny intervals can cause huge and surprisingly fast temperature spikes. For this reason we recommend using Tyvek® cargo covers as these provide shipments with a further line of defence against temperature excursions."

Solar gain is a serious problem that, unless countered, will undermine the validity of many 'qualified' logistics provisions according to Marina Valente, Marketing Manager for Tyvek® Air Cargo Covers.

"One of the problems lies in the fact that many operators are

FEATURE



Degrees of Change: Accelerating temperature extremes is a problem that is going to intensify: "It is very likely that heat waves will be more intense, more frequent and longer lasting in a future warmer climate" according to the IPCC Intergovernmental Panel on Climate Change. The World Meteorological Organization (WMO) agrees; according to a recent report more national temperature records were reported broken than in any previous decade and going forward it is going to intensify.

continuing to use standard packaging materials or ineffective cargo covers based on commercial bubble-wrap and similar materials," she says.

"In many cases these dramatically exaggerate the solar gain effect making a serious problem even worse. Being unprepared for the level of temperature surges that we have been experiencing here in Brazil, and in particular by using the wrong type of cover materials, can leave pharma manufacturers exposed to potentially huge losses."

Triple action protection

Tyvek® Air Cargo Covers employ a combination of three complementary mechanisms to provide 'best-in-class' thermal security. This triple-action approach has been specifically developed to address the heat flow mechanisms that are at work in the fluctuating temperature scenarios often found in air cargo logistics. The first tier of protection comprises a white micro-fibre exterior surface which provides a reflective barrier against the

highly detrimental effects of solar radiation. The second tier of protection comes from a low emissivity, shiny metallic layer on the internal surface of the cover. This presents a radiant heat barrier to help maintain core package temperatures. The third protective tier relates to the micro-porous structure of the cover material which, being vapour permeable, permits the escape of damaging condensation which can form during hot-cold thermal cycles. It is also of importance where goods must be protected from freezing since excess moisture can exacerbate cooling effects.

The result is a unique, state-of-the-art protective envelope with the unique triple action capability providing powerful protection against excessive radiated heat. The Tyvek® covers have been extensively researched and tested and are already in widespread use with several operators.

Cargolux, Europe's largest all-cargo carrier, is one of the companies that has tested and adopted the new generation covers from DuPont. "The enhanced Tyvek® air cargo covers enable Cargolux to considerably minimize the risk exposure when transporting temperature sensitive pharmaceutical and healthcare shipments, especially in critical control point areas, i.e. during loading or when being handled on tarmac," says Franco Nanna, Head of Management Network Support at Cargolux. "They allow us to optimize our service offering through tailored cool chain solutions on a customer by customer business case".

The message is clear: pharmaceutical manufacturers and their logistics providers must not only be prepared for the possibility of accidental or unforeseen exposures to excessive ambient heat during the different phases of transport, they must also factor in the high risk of unforeseen or accidental exposure to high levels of solar radiation.



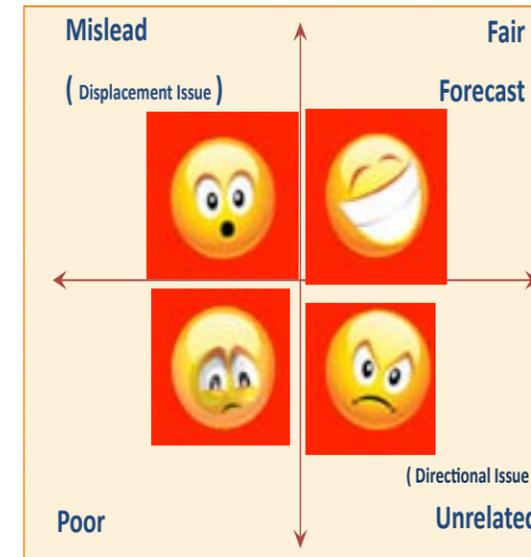
Air cargo forecasting at major airports

Predicting the pattern of air cargo is a challenge and governed by many seasonal factors. An expert in this field, M. S. Awad, takes eight major airports in different regions and shows how to make 'accurate' cargo predictions.



Air cargo is one of a major revenue streams in air transport. Indeed, predicating the pattern of air cargo is a challenge for those who keep their eyes on their daily activities; monitor and track the flow of shipments across the country's borders that are delivered by one of these modes – airlines (passengers + air cargo); purely air cargo services; or integrated services (such as UPS or FedEx that offer door-to-door premium services).

The air cargo forecasting pattern is governed by many seasonal factors that include availability of fresh fruits, frozen sea foods and even Christmas decorations. The outcome trend of air cargo forecasting may be positive, flat or negative and we cannot actually set targets if the trends show negative slope.



forecasting with the fair bond restricted by the preset design values of R2 (Coefficient of Determination) and signal tracking. Cargo trends at eight major airports are under focus as the forecasting process has two stages - evaluation and forecasting.

In the evaluation stage we try to analyze the input data, and align the practical data with a mathematical model as we use a state of the art forecasting program to fit data. Two control factors have a great impact on the model: first is the displacement factor (Displacement Issue), which acts to shift the whole data from it to a new one but keeping the trend and direction of the analysis. On the other hand, the second factor is the directional factor. If we manipulate this factor and try to use many trail values (either positive or negative value), the model will position itself accordingly as a clock about the origin (Rotational Issue).

The air cargo forecasting pattern is governed by many seasonal factors that include availability of fresh fruits, frozen sea foods and even Christmas decorations during the last quarter of the year. The outcome trend of air cargo forecasting may be positive, flat or negative and we cannot actually set targets if the trends show negative slope. So, the best scenario in this case is to force the last month of the mathematical model to pass on the last actual month's reading. Eventually, this will reduce the impact of negative trend and reflect the latest data.

Accuracy of the model

One of the major challenges in forecasting is ACCURACY. How far we can accept the results; is it reliable and practical or will it mislead us in an undesirable direction; how can we set reasonable targets that can be achieved; is it good to forecast with a negative trend or not, and when can we do that and how to adjust it... are just some of the vital questions to ask. We also need to be clear about interpreting the trend analysis with seasonality model. All these issues have their own impact on the accuracy formula. So, how do we come up with the best method to define and measure the accuracy of a forecasting model?

Forecasting model

The basic data span is 36 months (input) with 12 months

Forecasting of Aircargo (Tone) 2014													
AIRPORTS	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
AMS	113,846	116,940	135,211	124,436	124,245	122,810	129,394	124,921	125,357	132,499	129,655	126,896	1,546,206
HKG	319,623	281,654	381,700	349,678	350,247	349,361	360,921	346,026	360,216	369,485	384,530	385,701	4,239,142
LHR	105,886	109,807	125,169	112,795	115,919	118,127	120,099	114,336	113,219	119,703	116,584	115,479	1,387,184
CDG	141,405	138,887	165,753	153,568	153,599	161,513	163,598	151,616	162,757	166,460	160,652	160,971	1,880,779
FRA	143,138	151,890	182,911	165,766	165,149	168,689	173,342	161,654	167,174	172,942	173,729	162,474	1,988,856
DXB	195,251	183,564	216,267	209,025	214,581	215,413	225,772	211,836	209,716	226,940	221,912	221,900	2,552,177
DOH	70,056	69,245	76,748	72,191	74,359	72,491	76,568	73,248	71,029	77,698	76,357	76,325	886,314
MFM	1,763	1,396	2,140	2,032	2,035	2,048	2,033	1,838	2,355	2,520	2,280	2,380	24,819



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In this sense, we will address one of the new creative methodology, which we call 'Fair - Poor Forecasting Matrix'. It is basically developed and based on two main estimated mathematical parameters - Displacement and Directional factors which have consequent impacts on R2 and Signal Tracking.

Forecasting accuracy settings

For fair and accurate forecasting, the model should fulfill these criteria:

$$R^2 > 80\%$$

AND

$$-4 < T.S. < 4$$

R2 ≥ 80 % and Signal Tracking should be - 4 ≤ S. T. ≤ + 4

In the 'Fair - Poor Forecasting Matrix' the following will be the outcome:

1. Fair Forecast - when R2 and Signal Tracking are in the bond.
2. Mislead - Displacement Issue. This case when R2 is in bond and Signal Tracking is out of the bond. We can adjust Signal Tracking to be in bond when there is a room for R2 in the same analysis so that it can be considered as a fair forecast.
3. Unrelated - Directional Issue. This case when R2 is out of the bond and Signal Tracking in the bond - i.e. the balance of accumulated error without any correlation.
4. Poor Forecast - when both R2 and Signal Tracking are out of the bond (Total Mess).

This matrix manipulates the four decision regions to develop the right and best picture of the accuracy of forecasting. And to enhance the process of decision making for major airports for air cargo movement / data analysis especially air cargo forecasting, that maps the overall forecasting accuracy of major airports in the world.

Eight major airports

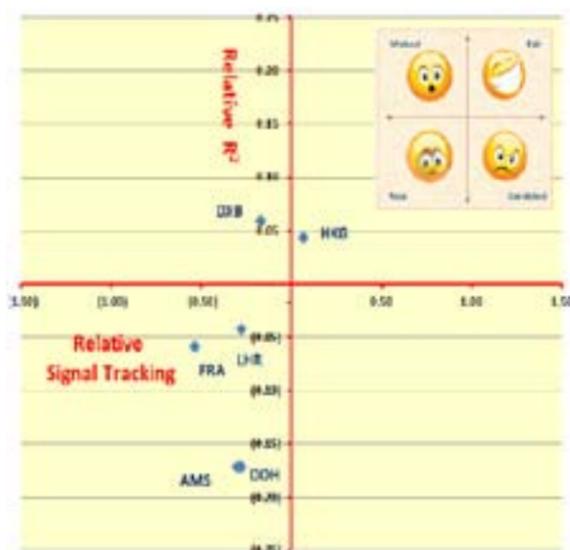
Airports included in the study are Dubai (DXB), Amsterdam (AMS), Heathrow (LHR), Frankfurt (FRA), Hong Kong (HKG), Paris (CDG), Doha (DOH) and Macau (MFM).

Forecasting results

Based on the actual figures, the outcome can be defined by three levels - positively trend; flat; and negatively trend. Here, only two airports show a fair result as the mislead issue denied by max/min Signal Tracking analysis. Hong Kong (HKG) and Dubai (DXB) international airports have fair forecasting, and most of the others airports show negative trends, i.e. They are driven down if we are seeking for optimum forecasting as LHR, CDG, and FRA.

AMS airport has a flat trend (slope=zero) and out of the bonds, while Doha airport have positive trend but undefined seasonality.

Finally, two airports that are not reported in the accuracy forecasting matrix are Paris (CDG), and Macau (MFM). The reason is that their values are too high with respect for others airports and we force their models to pass through the last actual reading so that it will reflect the most recent data.



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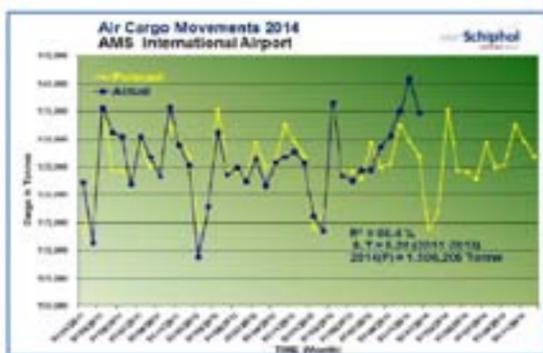


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Myanmar set to become next aviation hub of Asia

After a half century of isolation, the Southeast Asian country is opening up for investment in a variety of areas

Myanmar is known to be the largest country in the mainland Southeast Asia sharing borders with Bangladesh, India, China, Laos and Thailand. After 50 years in international isolation, Myanmar is opening up and presenting a wealth of development and growth opportunities.

While most countries in Southeast Asia have experienced a slowdown in growth in 2013, Myanmar's economy has just taken on wings. According to an Asian Development Bank (ADB) report, gross domestic product (GDP) in Myanmar rose to 7.5 per cent in Fiscal Year 2013 (ended 31 March 2014) from 7.3 per cent in FY2012. Growth was supported by rising

investment propelled by improved business confidence, commodity exports, buoyant tourism, and credit growth, complemented by the government's ambitious structural reform program.

In addition, exports of natural gas increased by 68.8 per cent to 7.7 trillion cubic feet in the 12 months to September 2013. Gas exports were valued at \$3.6 billion, accounting for almost 40 per cent of all exports. As the economy is expected to post a higher growth of 7.8 per cent in both financial years 2014 and 2015 according to an ADP forecast, the increase in growth is expected to continue until 2018.

While financing options have improved, the surge in building activity in Myanmar has raised new challenges. With construction of infrastructure and industrial facilities on the rise, including three major airport projects, numerous industrial zones, and large areas of the country being explored for oil and gas, the demand for resources has pushed up prices.

(LPI), published by the World Bank, Myanmar was ranked 133 out of 155 in 2012. The country may not rank high in the listing but the prospects are believed to be bright and promising.

Yangon, the capital city, is the country's main centre of trade, industry, real estate, media, entertainment and tourist hub. Yangon Airport is the main airport of the country. The airport has recently taken over Nay Pyi Taw Airport, serving the nation's capital city, to become the second busiest airport for passenger traffic in the country, behind Mandalay airport.

Analysis of Innovata's ASKs data indicates that around 3 billion one-way seats were offered on routes involving Yangon, 58 per cent more than in the previous year. At 64 per cent, international capacity noted significantly more growth than domestic services, which recorded an annual change of 15.6 per cent in December 2013.

Overall, looking at capacity data since 2004, the international market has by far outperformed the domestic sector in terms of growth, even though the latter experienced 30 per cent growth over this period. In terms of Yangon's international market, this has increased by nearly 420 per cent when compared to 2004; therefore, in 2013 this market is expected to reach 2.73 billion one-way ASKs.

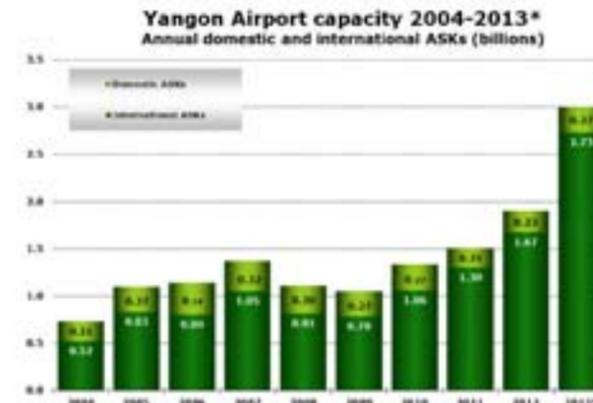
In 2013, international seat capacity grew by 51.5 per cent, driven by capacity additions by ANA, Singapore Airlines, Asiana Airlines, Condor, EVA Airways and Korean Air. Each of these carriers started operations to Myanmar in 2012 and more than doubled their capacities in 2013.

Furthermore, Centre for Asia Pacific Aviation (CAPA) recently released a report covering Myanmar's place in the aviation market. The report highlighted that Myanmar's aviation market offers a huge potential for both local and foreign airlines as the country has recorded some of the highest passenger growth rates in Asia since opening up in 2012.

The country's economy has been divided into a series of five-year plans. These plans are based on the guiding principles of the government to address political, economic and social issues. Since around 70 per cent of the population lives in rural areas, the economy is very much dependent upon resource-based industries such as oil, gas, mining and forest products.

Aviation in Myanmar

The air cargo industry in most Asian countries registered a steady growth, but Myanmar represented a new bright spot in the region. According to the Logistics Performance Index





FEATURE

Growth sectors

Asia is by far the largest source of foreign tourists in Myanmar, accounting for close to two-thirds of arrivals by air. Myanmar witnessed a tourism increase by 92.6 per cent in 2013. Tourist arrivals by air increased 35.6 per cent between 2008-2013 with particularly strong growth of around 50 per cent in the last two years.

Myanmar has attracted many famous hotel chains to meet the needs created by its rapid tourism growth and by also easing investment restrictions. As of 2013, the country's hotel industry had received US\$828 million of foreign investment in 30 hotels which have already been built and also will receive further US\$289 million for building of future projects in the country.

Transport investments

While financing options have improved, the surge in building activity has raised new challenges. With construction of infrastructure and industrial facilities on the rise, including three major airport projects, numerous industrial zones, and large areas of the country being explored for oil and gas, the demand for resources has pushed up prices.

"The cost of labour and raw materials has increased as the result of greater competition," Minister of Construction U Kyaw Lwin said in an interview. "However, the price fluctuations are less severe than those we experienced prior to the lifting of sanctions."

Another major project in the works is the \$1.1 billion Hanthawaddy International Airport on a site located around 80 km from Yangon. Upon completion, the new facility will be able to accommodate 12 million passengers a year, with room to increase to 30 million, compared to the 2.7 million capacity of Yangon International Airport, which will continue to operate as the city's second airport.

Myanmar's maritime ports also need to be upgraded after being in isolation and poor management for so long. At present, major global lines dock their mother ships in Malaysia or Singapore and send feeder vessels to Yangon Port. Located in the city's downtown, the port has a draught of just 8-9 metres and is difficult to navigate due to two semi-submerged sandbars.

In December, the Ministry of Transport announced that Japan will provide a \$205 million loan for the construction of two new general cargo wharves at Thilawa. The government is also looking to build new deep-water ports at the SEZs located in Dawei and Kyaukpyu, although both of these projects have experienced delays.

The Japan International Cooperation Agency (JICA) is working with the Yangon City Development Committee to improve the urban rail network in the country's commercial centre. According to JICA, Yangon is one of the most promising cities

With major powers easing sanctions against Myanmar, the air cargo industry could see a surge in imports and exports once investments translate into actual large-scale projects.

in the region for developing train networks. Because a circular railway line already exists, land acquisition will be less of an issue than it is in other major metropolitan areas.

Passenger and cargo prospects

Myanmar represents a new bright spot in the region that forward thinking cargo companies are already eyeing for future projects. According to Global Finance, compared to the key economies in Southeast Asia, Myanmar is the only market that has shown a steady growth in real GDP since 2010 – and with the sweeping democratic reforms that began last year its economy looks likely to steadily climb. Myanmar's Ministry of National Planning and Economic Development has also reported positive results for the total value in exports and imports by government and private organizations. Total exports increased from US\$8.86 billion to \$9.14 billion between 2010 and 2012 (with the fiscal year ending in April). Total imports also increased from \$6.41 billion to \$9.07 billion during the same period. As a country that is rich in precious stones, oil, natural gas and other mineral resources, it is expected these industries will continue to dominate Myanmar's exports chart.

With major powers easing sanctions against Myanmar, the air cargo industry could see a surge in imports and exports once investments translate into actual large-scale projects.

Anton Lomakin, air cargo charter specialist at Chapman Freeborn, noted: "We are expecting bulk of cargo to be transported by sea, but there will certainly be opportunities for air cargo charters, mainly carrying project-related commodities such as high-tech, time-critical and outsize equipment to service remote parts of Myanmar lacking proper logistics infrastructures. We are also anticipating more machinery and project equipment imports that would be used in mineral extraction by energy related industries."

Although poor infrastructure in Myanmar's airports is of significant concern, the good news is airport construction and expansion projects are underway. Mr Lomakin added that currently, most air cargo is flown in as belly-freight as airports in Myanmar are not equipped to handle big freighters. This opens up opportunities for specialized project aircraft such as the Hercules, Antonov and Ilyushin freighters because of their unique capabilities to self-load cargo.

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Linking air, sea and land

Container Corporation of India eyes a major chunk of the air cargo business in the country, which grows at around 20 per cent per annum

In pursuance of its objective to provide improved intermodal logistics solutions to India's trade, Container Corporation of India (Concor) entered the field of air cargo in 1999. The air cargo business was formalized as a division at the corporate office in 2003 to provide a focused attention. CONCOR undertakes various air cargo activities such as - road feeder services wherein it connects a) airports to airports and b) airports to inland container depots/container freight stations (ICDs/CFSS).

Concor established an Air Cargo Complex and Centre for Perishable Cargo at Nasik and Goa airports. It has a domestic air cargo complex at Mumbai Airport and bonded warehousing for imports at its ICDs/CFSS. Concor has the requisite permission from Indian Customs at major international airports as well as at other ICDs spread across the country for movement of export/import cargo under bond.

Centre for Perishable Cargo

Concor is successfully running a Greenfield Cargo Complex at Ozhar Airport, Nasik, jointly with Hindustan Aeronautics Limited (HAL) in the name of 'HALCON'. The complex has an air cargo facility, sea cargo facility and a Centre for Perishable Cargo (CPC) for direct international airlifting from/to Nasik

Airport. HALCON is also operating an "Integrated Packhouse" Centre for sorting, grading, packing and pre-cooling of vegetables and fruits prior to export at Nasik.

HALCON also provides comprehensive ground handling services for wide & narrow bodied aircraft. HALCON has achieved a unique feat by successfully handling Antonov 124-100 aircraft, one of the biggest cargo aircraft in the world. Concor is operating another CPC at Goa Airport to promote the export of perishable cargo.

Furthermore, Concor has an agreement with Mumbai International Airport Pvt. Ltd. (MIAL) for development, operations and management of domestic air cargo complex at the Chatrapati Shivaji International Airport, Mumbai on build-own-operate-transfer (BOOT) basis.

Bonded & other warehousing

Air imports desiring deferred payment of duty are offered customs bonded warehousing facility at the Concor ICDs. As air cargo demand grows the world over, Concor plans to move hand in hand with this growth by steadily increasing its facilitation to the air cargo trade by participating in other activities.

The public sector logistics company is eyeing a major chunk of the air cargo business in the country, which is growing at around 20 per cent per annum. Concor plans to set up an air cargo complex in the North East on a hub-spoke model at an investment of Rs 45 crore.

"We will have warehouses spread over four places in the North Eastern region. These would act as collection centres for fruits, flowers and other agricultural produce in the region from where that would be airlifted to Guwahati and then to Kolkata," a Concor official told media. Airport Authority of India (AAI) has already been allotted land for the purpose.

Concor has also received a grant of Rs 2.3 crore from Agricultural and Processed Food Products Export Development Authority for the construction of warehouses, which will store medicine, flowers, fruit, and high-value agricultural produce, mainly for export to the Middle East. "We intend to make use of the opportunities in the air cargo business, which is growing at around 20 per cent," said a company official.

Diversifying logistics services

Concor, essentially a rail logistics firm with over 90 per cent market share, is diversifying by increasingly offering logistics services in the road, sea and air space. Leveraging its cold chain strength, the company has also entered the back-end retail business where it procures and supplies fruits to big retailers.

Concor already has two air cargo complexes. Returns from its first air cargo venture in Bangalore were impressive enough to prompt Concor to look for other opportunities. Last year, it earned a return of Rs 10 crore on an investment of Rs 86 lakh for its Bangalore project, which is being operated by a three-party equal JV including Hindustan Aeronautics and Mysore Sales International.

Working with GMR

GMR Infrastructure and Concor have launched dedicated air freight service for an Inland Container Depot (ICD) in New Delhi. This means that airlines will now be accepting cargo at the ICD and all prior custom clearances and claim of duty drawback will also happen at the container depot. "It will not just cut down on the cost and time involved in shipping but will also reduce the multiple handling of the air cargo, thus ensuring better protection and minimal transit risk of the cargo items," said Chief Commercial Officer-Aero of Delhi International Airport (DIAL), Pradeep Panicker. The "first-of-its-kind initiative" was launched at ICD, Kanpur, the statement added. "Starting three times a week, Bonded Trucking Service will be used for transiting goods between ICD Kanpur and Delhi Airport. All prior custom clearances and claim of duty drawback will now happen at the facility."

Concor director Yash Vardhan said: "This is the first time in the history of air cargo in India that the airport, airline, ICDs, customs and customers have joined hands to offer such a unique service at a location." The first truck, which was dispatched with a load of 1.6 tonnes, was linked to Cathay Pacific and Emirates airlines at Delhi Airport. Stating that Kanpur, at present, exports about 500 tonnes of air cargo every month and imports about 115 tonnes per month, Concor believes opening of air freight service is expected to increase demand further.

In its bid to decongest Mumbai Airport, Concor launched the Mulund Air Freight Station (AFS), a collaboration between Concor and Cargo Service Center India Pvt. Ltd (CSC), a leading air cargo service provider. The facility, the second of its kind in the country, has been carved out of ICD Mulund. Comprising 1,500 sq. m of covered area and 1,800 sq. m of open space to handle both exports and imports, it will be managed by CSC as the service provider.

Well connected, being close to the Eastern Express Highway, and also facilitated by the ICD's rail siding, the AFS is expected to expand the reach of air cargo to the interiors. The export-import trade in areas such as Bhivandi, Navi Mumbai, Thane, Nashik, Aurangabad etc. will now no longer have to go all the way to Mumbai Airport to clear their cargo. The customs facilities will make this possible right at the AFS, thereby enabling savings in time and cost.

The need for such AFSs to overcome the problem of infrastructure shortage at airports has been felt. As per projections, India would be generating 15 million tonnes of air cargo by 2015, while the planned and proposed capacity development at airports was only to the tune of 6 million tonnes, hence there would be growing demand for such facilities which would speed up cargo clearance at airports.



Airport Show takes off in Dubai



The 14th edition of Airport Show, which took place from 11-14 May in Dubai, provided a successful platform for the aviation industry professionals to explore the latest technology and innovation, debate the growth challenges and opportunities and develop networking and new customer base. The B2B event is designed for the airport procurement, supplies,

solutions and technology and it has remained in the forefront of meeting the industry's expectations.

In the Middle East region, estimated \$100 billion investments are planned for airports expansion and new developments, including \$40 billion in the GCC. According to IATA, the Middle East is expected to have the

third fastest growth rate at 6.6 per cent until 2016, making it the second-fastest growing aviation market.

H.H. Sheikh Ahmed remarked: "Airport Show and its co-located events, GALF and Travel Catering Expo (TCE) contribute to our combined efforts to promote the ongoing success of a thriving aviation industry. The event mirrors the aviation industry's robust growth and the region's economic resilience. Airports in the MENA region are projected to cater for 400 million passengers by 2020. Billions are being invested to provide the additional airport capacity required to accommodate the anticipated demand." This year's show occupied a gross exhibition space of 12,600 sq m, an increase of nine per cent. The number of exhibitors has surged 11 per cent to reach the 250 mark. 39 countries were represented at the show, including eight new entrants.

ATM receives record number of visitors



Reed Travel Exhibitions, the organizer of Arabian Travel Market (ATM) 2014 that took place from 4-8 May, reported visitor numbers topped 23,000, up by over 2,100 or more than 10 per cent on 2013 figures. The show, now in its 21st year is the largest travel trade exhibitor showcase in the Middle East, accommodated over 2,700 exhibitors

with 120 first-time participants, 68 national pavilions and a packed schedule of 40 seminar and tech theatre sessions.

"The preliminary figures for this year's show underscore Arabian Travel Market's relevance to the regional travel and tourism sector and

reflect the healthy performance and confidence of the industry and its vital role as a major economic driver for the region," said Mark Walsh, Portfolio Director, Reed Travel Exhibitions.

Independently ABC-audited, ATM 2014 had already recorded an 8 per cent increase in exhibitors compared with 2013, with a record amount of travel-focused floor space of over 24,500 sq m.

"The halls have been thronged with travel trade professionals this week and the feedback from exhibitors, speakers and our 115 hosted buyers has been overwhelmingly positive, reinforcing our position as the regional industry platform for tourism and hospitality professionals to share their news, network with decision-makers, meet potential partners and exchange insight and ideas," said Walsh.

MRO Network to host engineering & maintenance conference in Muscat



MRO Network is bringing its Airline Engineering & Maintenance Event: Middle East & North Africa event to Oman. Taking place in Muscat on 2-3 June 2014, the event is now marking its 20th anniversary year in the region which only serves to highlight the success of the aviation industry in the Middle East

and its continuing growth. The event features speakers, with a record number of airline representatives, and promises to deliver an opportunity for the key regional players to share knowledge and best practices to capitalize on the wealth of MRO opportunities in the region. The agenda focuses on the need-to-know

issues for the MENA region looking at challenges of new fleet introduction, coping with new technologies, managing lease returns, planning for future maintenance requirements and the issue of workforce and training. Industry leading experts will share their views on optimum strategies for cost reduction and maximizing efficiency at the same time as setting the stage of how to position your business for future growth.

The event will give attendees the latest insights into regional market developments and core trends and this is highlighted by the keynote address which will be delivered by Rashad Karaky, Senior Manager - Economics, IT & Technical Management from the Arab Air Carriers Organization and will concentrate on developments and challenges in the Arab Air Transport industry.

Aviation leaders assemble in Doha for IATA's AGM



The International Air Transport Association (IATA) announced that nearly 1,000 people are expected to attend its 70th Annual General Meeting (AGM) and World Air Transport Summit in Doha, Qatar from 1-3 June 2014. Hosted by Qatar Airways, the event will take place under the patronage of

the Emir of Qatar, His Highness Sheikh Tamim bin Hamad Al-Thani.

"Doha will be the center of the air transport industry next week as its leaders discuss the most important commercial aviation-related issues of our times: safety, security, environment, distribution and

financial sustainability among others," said Tony Tyler, IATA's Director General and CEO. The IATA AGM draws together the CEOs and senior management of its 240 member airlines that carry 84 per cent of global traffic. They will be joined by leaders from across the spectrum of industry stakeholders including governments, partners in the value chain and other international organizations.

"You will notice a very unique atmosphere at the AGM. IATA's members come from all parts of the world and operate on a variety of business models. We have very large global network airlines. And we have much smaller regional airlines. They compete vigorously in what is a very tough business. But when they are at the AGM, they are focused on the industry and making the best decisions possible to secure its future success," said Tyler.



EVENTS

Evergreen Apple Nigeria to launch new branding at EBACE 2014



Evergreen Apple Nigeria will be presenting a new look and feel for the company at this year's European Business Aviation Convention and Exhibition (EBACE). It will be announcing a new name, "EAN Aviation" and promoting a revamped brand to exhibition attendees. Initially known as Evergreen Apple Nigeria, the brand refresh has been implemented following an expansion in the type of aviation services offered by the company, and the need to have the name reflect the

core business activity. EAN Aviation launched as a full service FBO quickly developing local, FAA and EASA maintenance capabilities. Executive aviation dining provider Wings Inflight catering followed soon after. At last year's EBACE the company announced it had signed a representation agreement with Gulfstream Aerospace (a General Dynamics Company) which sees EAN Aviation promoting the sale of new Gulfstream aircraft within Nigeria.

Segun Demuren, EAN Aviation's CEO, initiated the popular annual Nigerian Business Aviation Conference, NBAC, which had its second outing in March this year. The company also arranges aircraft charter services, executive aviation ground handling at Lagos Murtala Mohammed Airport and provides office leasing services in its airport facility.

"Since launching Evergreen Apple Nigeria has continued to expand its range of aviation services so we needed a name that reflected this. The existing name has regularly been shortened to EAN by the aviation community so to some extent the process has already begun," says Segun Demuren CEO. "However neither the names Evergreen or EAN indicate that aviation is our principal activity, so for the sake of clarity we have chosen to rebrand with a new name that incorporates the term aviation. EAN Aviation clearly states the sector we are involved in and builds on a name already familiar within the industry."

The Travel Marketing Council introduced



The debut of The Travel Marketing Council's (TTMC) Middle East chapter, a private 'by invitation' members forum for the travel industry was marked on 6 May. The dynamic platform aims to empower and inspire business leaders and travel professionals across the world through thought leadership and collective intelligence. Launching in the Middle East with plans for future expansion across India, Asia, Africa and China, TTMC aims to focus on prevalent topics and current industry news.

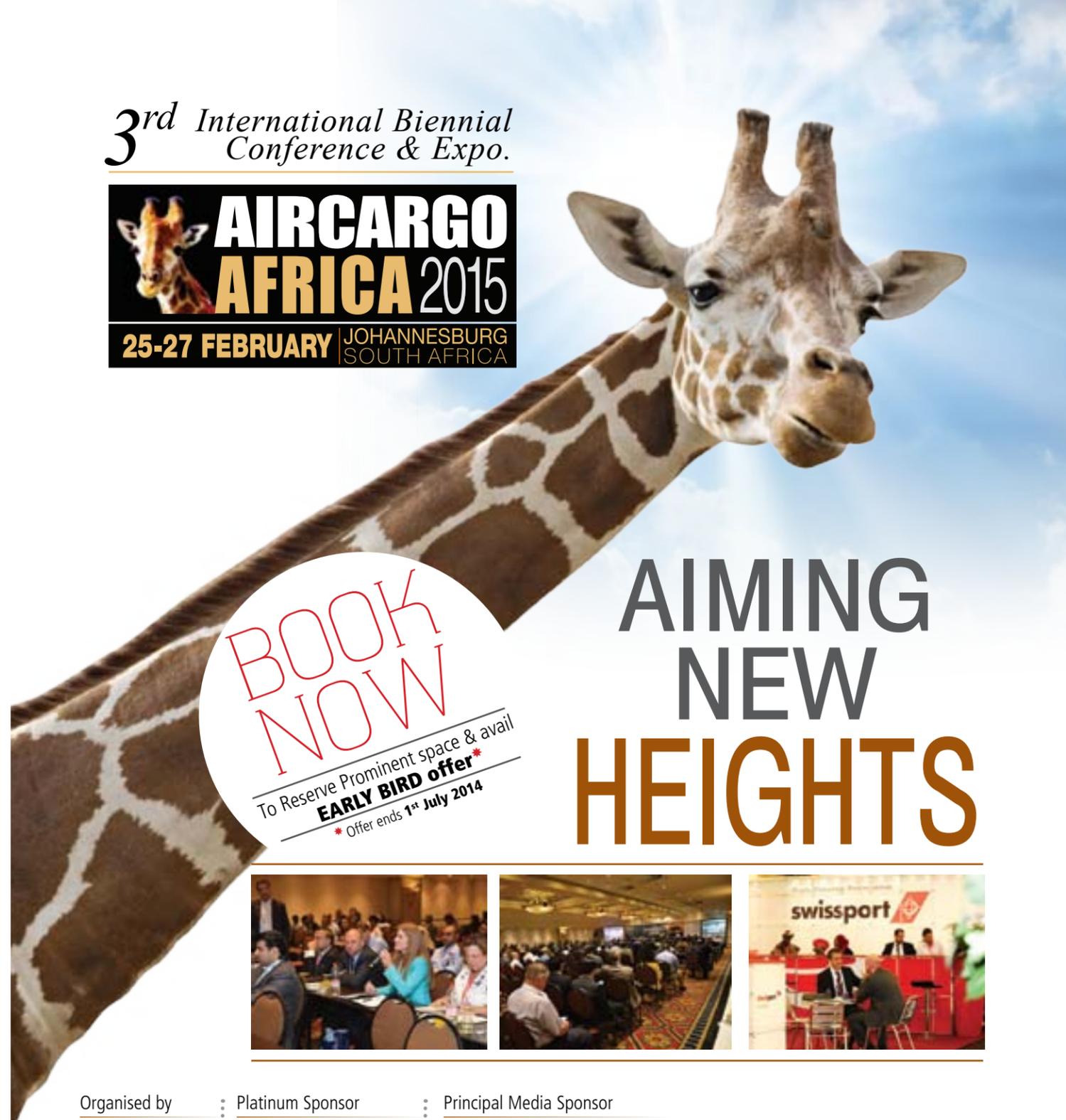
TTMC will be a catalyst for change, enabling business leaders and industry professionals to augment their authority and drive innovation through deep and meaningful dialogue to be shared amongst their peers. This independent and innovative forum will provide exciting networking opportunities, forefront industry events such as frequent round table sessions and an annual summit; as well as an online community. TTMC also plans to introduce a media neutral awards and recognition platform that is driven by the travel industry, for the travel industry to recognize service excellence and innovation.

TTMC aims to reduce complexities by analyzing market trends and provide knowledge that is relevant and succinct

for varied markets and segments, including travel, tourism, hospitality, aviation and destination marketing sectors. In addition to this, TTMC aims to engage and collaborate with leading academic institutions to garner expert opinions and insights, elevating the forum's caliber of content through regular briefings and reports.

TTMC will provide a multi-tiered exclusive membership program, including corporate membership packages, individual membership and an affiliate membership program. Corporate Memberships will pave the way for valuable partnership opportunities for organizations that aim to deepen their footprint in the region.

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EVENTS

AfBAA Expo demonstrates sustainable future for African business aviation



Tarek Ragheb Founding Chairman of AfBAA

airport authorities, OEMs, military representatives, financiers, lawyers and service providers converged during the four day event. Delegates visiting the AfBAA Expo pavilion debated and discussed the growing industry with representatives of the African business aviation association and the associated exhibitors.

Tarek Ragheb, Founding Chairman of the Association announced the inception of a new AfBAA initiative that has resulted in a fund valued at \$250 million, with a potential to grow to US\$500 million. Underwritten by an undisclosed export agency the funding will be used solely for financing aircraft within Africa.

Ragheb explained that the fund had been initiated in response to the continual financing challenges experienced by operators and OEMs in Africa. This was highlighted at the

AfBAA Symposium held in September 2013. AfBAA took up the challenge and within nine months has successfully created a fund that aims to support continued growth and development of the Business Aviation market at a time when securing finances is still a barrier for aircraft acquisition in many countries. Further details of the fund will be announced at Europe's premier business aviation event, the European Business Aviation Convention and Exhibition, EBACE in Geneva beginning 22 May this year.

Peter Griffith, Vice President Sales & Marketing, Europe, CIS and Africa commented, "Africa is an important region for us and as a Founding Member it is important we support initiatives such as the AfBAA Expo. It has also given us a chance to showcase the latest version of the Legacy 500 which demonstrates the significance of the region to us."

Saudi Airports Forum and Expo launched



The Saudi Airports Forum and Expo was recently launched by Reed Exhibitions in cooperation with Reed Sunaidi Exhibitions. The event is scheduled to take place from 7-9 December 2014 in Jeddah, Kingdom of Saudi Arabia.

Saudi Arabia currently has 34 airport-related projects being implemented across the Kingdom at a cost of over US\$650 million, in addition to plans underway for further expansion and modernization

worth US\$15 billion until 2020. The range of projects currently underway or planned represent the Kingdom's largest ever airport development program, generating significant business opportunities for global contractors, consultants and suppliers for the next decade and beyond.

According to the organizers, the Saudi Airports Forum and Expo will provide the ideal platform to get share of the US\$15 billion Saudi airports-related projects. The

event will feature a high-caliber conference, an exhibition and pre-scheduled meetings dedicated for international suppliers and experts to meet with Saudi aviation authorities, airports and key stakeholders and discuss how they can support their multi-billion dollar aviation development program.

The delegates will also have the opportunity to join 50+ global suppliers; meet over 2,500 attendees including Saudi Arabia's main investors, buyers and decision makers in the aviation industry; promote their products and services through the Saudi Airports Forum and Expo's global marketing, PR and social media campaign; arrange targeted meetings; and generate new business opportunities, build new business relationships and meet with existing clients.



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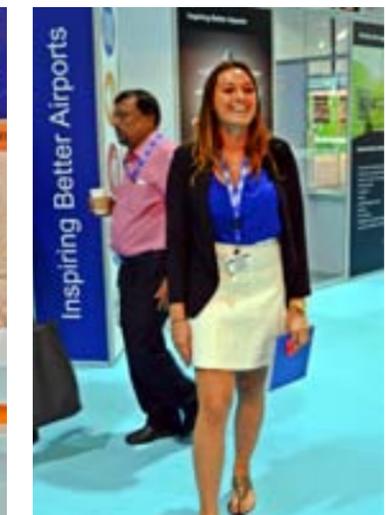
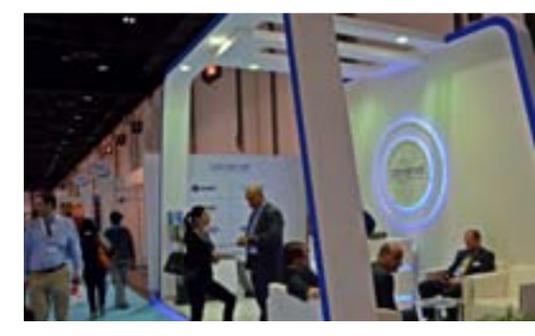
To book an exhibition booth at ACF 2014, please visit www.tiaca.org, or contact Jennifer Paris, Director of Sales, at +1 786-265-7011.

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dnata boosts cargo infrastructure throughout UK



dnata continues to develop cargo infrastructure at its newest locations, having invested more than £8 million throughout the United Kingdom. Recognizing the need for enhanced services at Glasgow, Birmingham, East Midlands, Newcastle and Gatwick airports, and moving Manchester warehouse space to larger, refurbished facilities, dnata has improved the flow of air cargo in the UK.

Beyond the physical space, dnata has modernized each facility through technology. From handheld devices for workflow management and barcoding to latest access control system technology,

dnata has translated the success of its Heathrow hub – dnata City – to its newest locations. “With an overwhelmingly positive response from our customers at dnata City, we’re confident mirroring the same level of service at other airports will benefit our clients and the industry at large,” said Gary Morgan, CEO of dnata’s UK operations.

With the expansion of warehouse facilities at each location, dnata is now able to handle more than 250,000 tonnes of cargo across the country. The company has hired 120 full-time employees to ensure imports and exports transition smoothly from airport

to airport. To support the network, dnata has established a new regional logistics centre, operating road feeder services linking the airports.

“Expanded warehouse facilities at Glasgow, Birmingham, East Midlands, Newcastle and Gatwick translates into job creation, increased capacity and more goods coming in and out of the country—a good thing for the industry and the economy,” added Morgan. dnata’s recent growth takes its total cargo locations across the UK to seven.

dnata entered the ground handling market in the United Kingdom in 2010, acquiring two of the UK’s leading airport operations - Plane Handling, providing ramp and cargo handling services at Heathrow Airport as well as cargo handling services at Manchester Airport. dnata also acquired Aviance’s passenger and ramp handling operations at Heathrow Terminals 3 and 4. Today, dnata is one of the largest handlers at London Heathrow with 19,000 aircraft turnarounds and over 320,000 tonnes of cargo handled each year.

Dubai International named ‘Best Airport in the Middle East’

Dubai International was again named Best Airport in the Middle East at the Business Traveller Middle East Awards 2014, taking the award for an incredible eighth year. The awards, which were held in Dubai, is based on the feedback from frequent flyers, many of whom regularly fly through Dubai International.

“That we continue to secure this prestigious award is testament to the fact that we at Dubai Airports are

able to consistently provide the great service our passengers expect from us. However, we also recognize that competition from other airports in the region is increasing. Therefore we have to continually redefine our passenger experience to ensure that we stay ahead of a fast-changing industry, where our passengers expect much more from an airport than they did eight years ago,” said Paul Griffiths, CEO of Dubai Airports.

Business Traveller’s Best Airport in the Middle East honor recognizes the quality of services provided such as check-in facilities, accessibility and transport connection, luggage handling, security checks and customs as well as availability of meeting rooms, restaurants and shopping. Award winners are selected by Business Traveller’s subscriber base as well as frequent flyers.



Big growth projected in RFID deployment at airports



The use of Radio-Frequency Identification (RFID) in the aviation industry in the Middle East region is expected to grow significantly in the next two years with an increasing number of airports, cargo and flight catering companies, duty free facilities and customs authorities deploying this modern technology in their operations.

The Dubai Internet City-based TrackIT Solutions is utilizing the Airport Show to create better awareness about its RFID solutions, including the world’s

first Suspect Bag Tracking System – EnTrackBag - designed to meet the needs and expectation of the aviation industry for a secure and safer environment for millions of air passengers across the world.

Soma SekharVedantam, CEO, TrackIT Solutions, said two airports in the UAE and the other Gulf airports have already deployed EnTrackBag which has been helping the custom officials in identifying the suspect bags from the check-in baggage of the arriving passengers.

The cutting-edge technology is due to be deployed at an airport in Saudi Arabia in the next six months.

EnTrackBag is a comprehensive Suspect Bag Tracking System for airport customers that facilitate airport security/custom officials to identify and uniquely tag a suspect bag. Subsequently that bag can be unobtrusively tracked or located and relevant officials can then be alerted. The system also enables airports to profile passengers and build a database that can be used to significantly enhance security.

It supports sniffer dog identified suspect bag and could be integrated with Baggage Handling System (BHS), screening system and passenger data. No false or repeat alarms come from the system which also has the ability to profile passengers and uniquely identify every suspect bag in addition to automatic reporting. The hardware for the EnTrackBag is from Motorola, while the software comes from TrackIT.

New passenger transfer facility opens at Abu Dhabi International Airport

Abu Dhabi International Airport announced the opening of a transfer passenger screening facility at Terminal 3 as part of its continued Capacity Enhancement Program (CEP). The program, which was launched in 2010, is gradually increasing the passenger handling capability at Abu Dhabi International Airport reaching an increase in the throughput potential of the airport from the current 16 million to over 18 million passengers per annum. The new facility includes 16 new X-ray machines that will enhance transfer passengers’ processing and movement from the arrival areas to

the duty free and other departure facilities at the airport.

Ahmad Al Haddabi, Chief Operations Officer at Abu Dhabi Airports, said: “The Capacity Enhancement Program at our existing Terminals 1 and 3 is progressing well and cements our commitment to offering our passengers a world class travelling experience while construction of the new Midfield Terminal Complex continues at a rapid rate. Last year we witnessed record growth figures for the airport, with more than 16.5 million passengers using our facilities, demonstrating the need for this Program to be delivered as quickly as possible in the interim.”

“The state-of-the-art X-ray machines will have a tangible effect on our transfer passengers, allowing them to spend more time enjoying our expanded and upgraded duty free outlets. The recent Skytrax Award we won for Abu Dhabi International Airport, as voted by our passengers, further motivates us to put customer service and passenger experience at the top of our list.”

Abu Dhabi International Airport is now able to channel transfer traffic into two separate screening facilities, which will reduce congestion at these facilities during peak traffic times.



AIRPORTS

German group signs agreement with Henan Province Airport Group



A strategic airport cooperation arrangement will link the Henan Province Airport Group and Mitteldeutsche Airport Holding in future. This is designed to enable the partners to develop air freight flights together and strengthen their airports as central hubs for the distribution of flows of goods in China and Europe. The agreement was signed in the trade

fair city on 8 May in the presence of the Mayor of Leipzig, Burkhard Jung.

"The interest on the part of the Chinese confirms that the expansion and investments in the airport and logistics facilities at Leipzig/Halle have paid off. We're also expecting greater commitment from Asian investors operating in both

the industry and commerce sectors," the mayor said during the signing ceremony.

The central Chinese government in Beijing is currently increasing its efforts to move industries into new inner Chinese development zones. But this will only take place if the relevant global logistics chains and the associated services are available. Chinese leaders from both the worlds of politics and business are looking for well-located sites in Europe within this project, which will be able to handle and distribute their goods in a short amount of time and with high-quality service.

"We've found a highly promising partner to network our ambitious region with the European continent in the shape of Leipzig/Halle, the fifth largest cargo airport in Europe. We selected Leipzig/Halle, because we value the airport's central location, its outstanding intermodal transport links and its unrestricted operating times. Based on these factors, we're expecting our cooperation arrangement to be constructive and successful," said An Huiyuan, Chairman of the Henan Province Airport Group.

Airport Frankfurt-Hahn and Zhengzhou agree to cooperate

The contract, within the framework of the World Cargo Airports Alliance (WCAA), issuing the cooperation between the Airport Frankfurt-Hahn and the Chinese airport in Zhenzhou, has been officially signed. The aim of the partnership is to strengthen the development of air traffic between the two airports. The Alliance is supported by the company Logistics BST that organizes cargo flights worldwide.

achieve a significant growth on this route in the near future," said Markus Bunk, the Airport Frankfurt-Hahn (FFHG) CEO, about the cooperation. It is intended to double the currently three weekly flights between Hahn and Zhengzhou in the coming twelve months.

The airport in Zhengzhou has developed rapidly in recent years and is the central point of freight in the province of Henan. 14 Cargo Airlines operate 23 routes - Zhengzhou is ranking number 12 of Chinese airports. Li Weidong, vice

president of the Chinese airport sees the partnership as a pioneering way," Closer cooperation is the trend of the future. Exchange and cooperation is the basis for a sustainable and stable growth."

The WCAA is developed and promoted by the company BST Logistics. "Our vision is to create a Cargo Airport Alliance that is cost effective, efficient and first-rate in customer service," says Sebastian Chan of BST Logistics. The aim is that the airlines opt for a settlement within the Alliance Airports.



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AIRPORTS

Air BP adds sixteen new airports to Chinese network



Air BP already provides fuel at Beijing (PEK), Shenzhen (SZX), Shanghai (SHA), Tianjin (TSN) and with the addition of Guangzhou (CAN) in Guangdong, now offers fuel services at the five largest cities in China. Air BP's rapid expansion has been stimulated by the rise of GA activity in the country as the number of international and domestic, privately owned and operated aircraft continues to grow at a significant pace.

Miguel Moreno, General Aviation Manager, Air BP commented, "The general aviation market is relatively underdeveloped in China but is experiencing a period of rapid growth. Last year saw around 20 000 business aviation movements at the airports Air BP serves and we are pleased to continue to expand our business operations in the region. Adding sixteen new locations to our network will significantly benefit our international clients who are regularly flying throughout the region."

UK-headquartered aviation fuel supplier Air BP continues to grow its international footprint with the addition of a further sixteen airports to its Chinese fuel network for General Aviation customers. The new airport locations are being operated in conjunction with Air BP's local joint venture partner Bluesky (South China Bluesky Aviation Oil Company). This

brings the total number of sites where Air BP provides fuel for international clients in China to twenty. The additional sites have extended the fuel supplier's reach to stretch from Beijing in the North along the central corridor, to Shenzhen in the South with new airports being served in the provinces of Guangdong, Guangxi, Hunan, Hubei and Henan.

Eindhoven Airport enhances communication with community

With a world-first public airport operations tool, the Netherlands' second busiest airport is ready to grow while maintaining good community relations. In order for Eindhoven Airport to grow, Eindhoven Airport made an agreement at the Netherlands' 'Alderstafel' advisory committee to enhance communication with the local community about airport operations, complaint handling and noise measurements.

(<http://samenopdehoogte.nl/>) featuring Brüel & Kjær's WebTrak and WebTrak MyNeighbourhood tools. These tools provide the community with accurate information about their local airport, answers to frequently asked questions and provides them with a better understanding of airport operations.

Joost Meijs, CEO at Eindhoven Airport said: "Brüel & Kjær was selected for its long experience of airport noise management and our successful working relationship so far. Brüel & Kjær's Airport Noise and Operations Monitoring System

(ANOMS) and WebTrak represent the latest in available technologies and we are looking forward to using them to work more directly with our stakeholders."

This deployment of WebTrak MyNeighbourhood is a world first. WebTrak MyNeighbourhood enables the public to investigate noise and flight information, including long-term trends and seasonal changes, for themselves. Drill down capabilities reveal further information about flights and noise, and WebTrak also provides an easy way for people to lodge complaints.

As part of this project, Eindhoven Airport and the working group under the 'Alderstafel' created a website

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Canter Eco Hybrid truck wins award for clean emissions



Mitsubishi Fuso Truck and Bus Corporation's fuel-efficient Canter Eco Hybrid truck has won the 'Prize of Director General of Agency for Natural Resources and Energy'. According to a press release issued by the MFTBC, Canter Eco Hybrid truck got the 'Grand Prize for Excellence in Energy Efficiency and Conservation' in the Product and Business Model category for fuel-efficiency of 12.8 km/l (7.8 liters/100 km), super clean emissions and its

innovation - combination of a hybrid system and a dual-clutch transmission.

The company has also been awarded the same prize in the Energy Conservation Examples category for its 'Overall CO2 reduction in the supply chain'. It is the first vehicle manufacturing company to win such awards in both categories of Product and Business Model and Energy Conservation Examples. The awards were given at a ceremony held in Tokyo.

Dr. Albert Kirchmann, MFTBC President & CEO, said: "We are excited to have been awarded with this prestigious award, in not one but in two categories. It supports us and it is a definite proof of what the Canter Eco Hybrid has to offer to our customers and the society - industry-leading fuel-efficiency and clean emissions.

ISUZU commercial trucks celebrates 30 years in US market



Isuzu Commercial Truck of America Inc. celebrated its 30th anniversary of Isuzu trucks in the US market. As part of the anniversary celebration, Isuzu has announced that it will continue the 24/60 Covered Maintenance Program for new Isuzu diesel trucks purchased by June 2014 providing factory recommended maintenance for 24 months or 60,000 miles, whichever comes first.

"The quality and durability of Isuzu commercial trucks is, of course, a significant reason for our enduring success in the United States," said Shaun Skinner, Executive Vice President and General Manager of

Isuzu commercial truck of America, Inc. "But Isuzu trucks would not have been America's best selling low cab forward trucks for the last 28 years in a row if it weren't for the efforts of our dealers and the loyalty of our customers. Extending the Isuzu 24/60 Covered Maintenance Program is one way we're saying thanks during this 30th anniversary celebration."

The extension of the Covered Maintenance Program was the first important announcement Isuzu made during the 30th anniversary celebration. Isuzu senior management met dealers during a series of whistle-stop meetings. They also plan to hold a celebratory dealers' meeting in New Mexico in October.



Scania makes a strong impression at IFAT 2014



Swedish vehicle manufacturer Scania made a strong impression at the IFAT 2014, the international trade fair for the water, sewage, waste and raw material management sectors, held in Munich from May 5 to 9.

The company's stand at the exhibition in the German city featured eight trucks that demonstrated the broad range of Scania's offering to each sector. Vehicles on display ranged from a Scania P 310 waste collection vehicle to a Euro 6 R 520 V8 suction- and flushing-vehicle with a host of intelligent features. Scania also exhibited a

ground-breaking waste collection vehicle with four-chamber recovery system and powerful Euro 6 gas engine.

Product Sales Manager Håkan Lionell says the Scania stand at IFAT was organised by Scania Germany and an international team, and the response from visitors was extremely positive: "We were busy more or less from 9am when the exhibition opened right through to 6pm when it closed." The Scania stand has grown from 50 sq m in 2010 to 750 sq m at the 2014 event.

Mack unveils natural gas-powered trucks at ACT Expo 2014

Mack's natural gas-powered Mack@Pinnacle™ models were on display at the Alternative Clean Transportation (ACT) Expo 2014. The ACT Expo showcased the Pinnacle Axle Back model with both LNG and CNG power. Ideal for regional haul and LTL, the Mack Pinnacle is equipped with the Cummins Westport ISX12 G engine. The maintenance-free after treatment, requires only a three-way catalyst to meet EPA 2010 and CARB emissions standards, combined with

low-cost natural gas, and reduces vehicle lifecycle costs.

"Mack is a longstanding leader in developing solutions that are designed with customer needs in mind," said Roy Horton, Mack Powertrain Product Marketing Manager. "This includes natural gas-powered solutions, which offer reduced greenhouse gases and an increased return on investment for our customers."

Volvo Trucks introduces Low-Entry Cab version

Volvo Trucks is expanding its model range with a low-entry version of the new Volvo FE for Euro 6. The Volvo FE LEC (Low Entry Cab) has been specially designed for refuse operations and city distribution duties. The cab features a low entry, a flat floor throughout, excellent visibility and space for up to four people.

"There is a constant increase in the demand for efficient refuse transport and smart solutions for city distribution. With the new Volvo FE LEC we meet our customers' needs even better than before. For instance, we are the only manufacturer to offer a refuse truck with a low entry and automated manual gearbox as an alternative to a fully-automatic transmission. Volvo I-Shift makes driving more fuel-efficient and the transmission's low weight permits added payload," says Pernilla Sustovic, Segment Manager Distribution, Volvo Trucks.

The new Volvo FE LEC is based on the latest generation of Volvo Trucks' medium duty Volvo FE. The chassis, driveline, design, instruments and controls are all more or less identical. What differentiates the Volvo FE LEC above all are the properties specific to the low-entry walk-through cab. Entry height is just 530 mm. With the kneeling function activated, this is lowered a further 90 mm. The doors can be opened 90 degrees and the floor is flat throughout the cab. The cab itself can be fitted with up to three passenger seats. The driver's seat is more forward-placed to ensure the best possible visibility ahead and to the sides of the truck.



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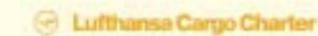
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5. GULF AGENCY COMPANY (GAC)	048818090
6. BARLOWORLD LOGISTICS	048819595
7. PANALPINA WORLD TRANSPORT	048701111



EVENTS CALENDAR

JUNE

70th IATA AGM
1-3 June
Doha, Qatar
www.iata.org

Cargo Week American – Expo Carga
3-4 June
Mexico City
www.expo-carga.com

Global Connected Aircraft Summit
3-4 June
Long Beach ,CA
www.aviationtoday.com

Aging Aircraft Conference
4-5 June
Kuala Lumpur, Malaysia
www.aviationpros.com

RTCA Global Aviation Symposium
4-5 June
Washington D.C., U.S.A.
www.symposium.rtca.org

Airport Board and Commissioners Conference
8-10 June
MT, U.S.A.
www.aviationpros.com

12th ASEAN Ports and Shipping 2014
11-12 June
Jakarta, Indonesia
www.transportevents.com

Cannes Air Show
12-14 June
Cannes, France
www.cannesairshow.com

ULTRAMAIN 2014 Software Forum and User Conference
15-17 June
NM, U.S.A.
www.aviationpros.com

The 6th Air Cargo China Conference
17-19 June
Shanghai, China
www.aircargochina.com

Transportation Logistics China 2014
17-19 June
Shanghai, China
www.transportlogistic-china.com

Europe Aviation Expo
19-21 June
Hradec Kralove, Czech Republic
www.aviationexpoeu.com

Routes Africa 2014
22-24 June
Zimbabwe, Africa
www.routesonline.com

SCM Logistics & Manufacturing World Asia
23-25 June
Singapore
www.terrapinn.com

TOC Europe
24-26 June
London, U.K.
www.tocevents-europe.com

Small Airports Conference
23-26 June
Edmonton, Canada
www.aviationpros.com

Parts2Clean Trade Fair
24-25 June
Stuttgart, Germany
www.aviationpros.com

Air Service Development Program
23-26 June
Edmonton, Canada
www.aviationpros.com

National Business Aviation Association (NBAA)
26 June
Van Nuys Airport, U.S.A.
www.nbaa.org

The Cargo Show Africa 2014
30 June – 3 July
Johannesburg, South Africa
www.terrapinn.com

JULY - NOVEMBER
Aircraft Cabling Conference
8-10 July
Hamburg, Germany
www.atnd.it

Fuel Handling and Quality Control Seminar
9-10 July
Atlanta, GA
www.aviationpros.com

Royal International Air Tattoo
11-13 July 2014
Fairford, Gloucestershire
www.airtattoo.com/airshow

Farnborough Airshow International 2014
14-20 July
Hampshire, U.K.
www.farnborough.com

Australia Pacific Aviation Summit
7-8 August
Sydney, Australia
www.capaevents.com

ACI – NA Annual Conference and Exhibition
7-10 August
Atlanta, Georgia
www.aviationpros.com

Corporate Travel Innovation Day
6 August
Sydney, Australia
www.capaevents.com

AGE – 2C Vehicle Maintenance and Aircraft Service Committee
16-18 September
Atlanta, USA
www.aviationpros.com

International Aviation Conclave
9-11 October
New Delhi, India
www.aviationpros.com

Asia LCC & Aviation Summit
13-15 October
Singapore
www.capaevents.com

Saudi Rail
27-29 October
Riyadh, Saudi Arabia
www.saudirail-expo.com

Saudi Transport Logistics and Freight Exhibition
27-29 October
Riyadh, Saudi Arabia
www.saudilogitrans.com

World Corporate Travel Innovation Day
19 November
Brussels, Belgium
www.capaevents.com

World Aviation Summit 2014
20-21 November
Brussels, Belgium
www.capaevents.com

Gulf Traffic 2014
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