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#### **EDITORIAL**



#### Monthly: Vol 07 | Issue 3 | No. 51 Middle East, Africa, Asia & beyond

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

#### Keeping the momentum

With the global trade picking up during the first quarter of 2017 and oil prices slowly stabilizing, the global air freight industry also moved up although still not as strong as in previous years.

The International Air Transport Authority (IATA) latest air freight market analysis data point to a year-on-year 8.4 percent increase on global freight ton kilometers (FTKs) in February.

The increase was largely attributed to increase in shipments of semi-conductor products, pharmaceuticals and cross-border e-commerce.

The positive trend has trickled in to every facet of the industry's supply-chain with many freight forwarding and warehouse companies saying business has picked up in every region across the world

This is, of course, good news for an industry that has suffered many months of uncertainties and challenges after its glorious

How to keep the momentum going, however, remains a challenge with so many changes in global policies and political scenes affecting the flow of commerce in many fronts.

In this edition, we bring you the story of GSS Aero, a start-up air freighter company, which within less than a decade managed to acquire seven B747 planes and continues to be on the verge of expansion, generating jobs and businesses for many in the supply-chain along the way.

The company is founded and managed by an Indian national who made it big in the industry through sheer hard work, determination and vision.

We're also bringing you the latest in India's aviation industry, touted to be the world's next biggest market as the country's middle-income earners grow bigger.

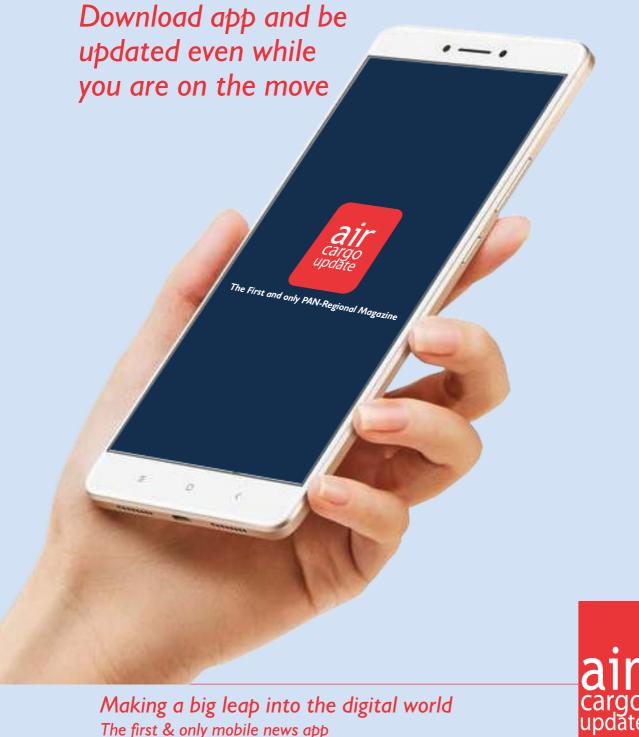
Features on WMS and tips from industry experts on how to handle the delicate vegetables and fruits are also highlighted in this edition.

Plus, the latest news and information in cargo, aviation, airlines, airports and logistics across the Middle East, South Asia, Africa and beyond.

Read on for some thoughts to ponder.

Gemma Casas Editor

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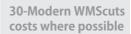
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# **Shashi Kiran Shetty**

**Founder & Chairman, All Cargo Logistics** 

# From trainee to building a billion-dollar empire

With more than a billion people, India's domestic market is more than enough for any entrepreneur wishing to make it big to get even just a small slice of it and flourish with the right formula, attitude and maybe some luck.

And it all starts with a dream and a vision.

Shashi Kiran Shetty, the Mangalore-born multi-billionaire Indian entrepreneur founded All Cargo Logistics Ltd., under a different name with just Rs25,000 (about USD387) and a single forklift back in 1983 at the age of 25.

Today, All Cargo is India's largest logistics company in the private sector listed both in the BSE & NSE with consolidated revenues of about USD1 billion.

It has 200 offices in 90 countries with a team of more than 8,000 and is one of the top 5 logistics companies in India, beating other major international firms in the same sector.

Born in a small village in Bantwal, Shetty came to Mumbai in 1978 to look for a job. After several tries, he was hired as a trainee at the Intermodal Transport and Trading Systems Private Limited.

After learning the ropes of the trade, Shetty moved to Forbes Gokak, a Tata Group company, where his dream of setting up his own company in the industry was further ignited.

A commerce graduate from the Shri Venkatramana Swamy College in Mangalore, Karnataka, Shetty saw the bright future that the logistics industry hold in India for an entrepreneur like him.

The company he founded at age 25, Trans India Freight Services Pvt. Ltd., later evolved into All Cargo Logistics Ltd., which became known as an integrated logistics service provider.



Snasni Kiran Snetty
Founder & Chairman, All Cargo Logistics

Headquartered in Mumbai, the company offers varied services such as Coastal shipping. Contract Logistics, Supply Chain management, NVOCC, Container Freight Stations, Project engineering Solutions, and Inland Container Depot facilities. Among its top clients are major companies in the oil and gas sector worldwide.

With his company firmly established, Shetty now has plenty of time for himself and his family.

One of his passions is to collect art pieces wherever he goes. These collections are then carefully displayed in his many homes and offices across the globe.

From Dubai, he got a camel made of metal with flat glasses on its back strewn with purple ornaments.

Shetty says he picked up the piece from an antique store in the Emirate because it reminds him of heavy lifting, a significant part of logistics.

And when he's not scouting for art pieces, Shetty spends much of his time playing golf in India or Scotland or holidaying with his family anywhere in the world.

"I golf every Sunday and also participate in many corporate tournaments. Outside India, Scotland is my favorite place to golf," the Economic Times of India quoted Shetty as saying.

Shetty also plays cricket and tennis and has even bought some shares at Singapore Slammers.

A philanthropist, Shetty also finds time helping the needy through the nonprofit group Avashya Foundation which he founded.

Still firmly grounded despite his success, Shetty says it's important to have a social responsibility and empower those who need help the most.

# **AFRICAS PREMIER CARGO OPERATOR**







## **Emirates Cargo's suite of solutions to keep perishables fresh**

**DUBAI, UAE:** Emirates SkyCargo, the freight division of Emirates, recently launched a technologically advance suite of solutions to help maintain the freshness of perishables and fresh consumables during transportation.

The firm says Emirates SkyFresh brings together Emirates SkyCargo's state of the art infrastructure at its hub in Dubai, a modern fleet of wide-bodied aircraft including freighters, a range of innovative cool chain solutions including the brand new Ventilated Cool Dolly & experienced staff to ensure that perishables such as fruits, vegetables, fresh fish and seafood, meat and flowers maintain their freshness during the entire air transportation process.

Emirates SkyFresh will feature three levels - Emirates SkyFresh, Emirates SkyFresh Breathe and Emirates SkyFresh Active - offering varied levels of cool chain protection for different kinds of perishables.

The basic solution, Emirates SkyFresh, is geared towards temperature tolerant fruits and vegetables and will offer quick ramp transportation and thermal protection through Emirates SkyCargo's White Cover blanket.



Emirates SkyFresh Breathe provides protection for temperature sensitive perishables such as fresh cut flowers, ready to sell cut fruits and vegetables and fresh fish. Unique features will include prioritised ground handling as well as the use of the Emirates SkyFreshVentilated Cool Dolly.

Emirates SkyFresh Active will offer the highest protection for perishables that cannot withstand any temperature deviation using specialized temperature controlled containers during transportation.

In 2016, Emirates Sky Cargo transported close to 400,000 tons of perishables across its global network of over 150 destinations.

This included products as diverse as salmon from Norway, strawberries from California, flowers from Ecuador, meat from Australia, mangoes from the Indian subcontinent, wine and cheese from France.

Emirates SkyCargo is an important facilitator of global trade in perishables and helps make an important contribution to local exports.

# **CEVA opens multi-user distribution facility at iPort**



**Ashby-de-la-Zouch, UK:** CEVA Logistics has officially opened a state-of-the-art shared-user warehouse at the new iPort intermodal logistics park on the outskirts of Doncaster in the UK.

The 215,800 square foot facility boasts a number of special features including VNA (Very Narrow Aisle) and gravity fed racking which enable a high density of stock to be stored via a 'first in, first out' system.

The site can accommodate up to 28,000 pallets and as well

as being adjacent to a 35 acre rail terminal, offers parking bays for 110 HGV in its 55 meter yard.

Operating the facility on behalf of a number of consumer and retail customers, CEVA, one of the world's largest supply chain management companies, is able to provide warehousing, planning, transport, administration, customized value-added services and cross-docking functions from iPort.

The site will begin by operating 24/6 and includes other features such as an in-rack sprinkler system and TAPA security (Transported Asset Protection Association) to ensure the safety of all stock.

"Situated at Junction 3 of the M18 motorway, iPort gives us great access to the whole of the north of the UK enabling us to receive and deliver to customers in timely fashion," states CEVA's Executive Vice President UK, Ireland and Nordics, Michael O'Donoghue.

O'Donoghue continues, "This is an important investment for CEVA. It is a statement of the confidence we have in our business and most importantly, it will bring tangible benefits to our customers through economies of scale, shared resources and CEVA's industry leading technology."

# Virgin Atlantic Cargo posts £174M earnings in 2016



**LONDON:** Virgin Atlantic Cargo has reported revenues of £174 million (about US\$216 million) for 2016 as its freight volumes rose 1.8% in a challenging market environment.

Overall, the airline carried 218,000 tons of cargo across its international network offering customers direct services to major cities in the United States, Dubai, Hong Kong and China, India, Nigeria and South Africa as well as to Cuba, Mexico and destinations in the Caribbean. This resulted in the year-end contribution target being overachieved by 2%.

The result was helped by a strong second half of the year and high peak season demand, although the growth in volume was offset by price pressure driven by overcapacity in the market and the weakness of the pound.

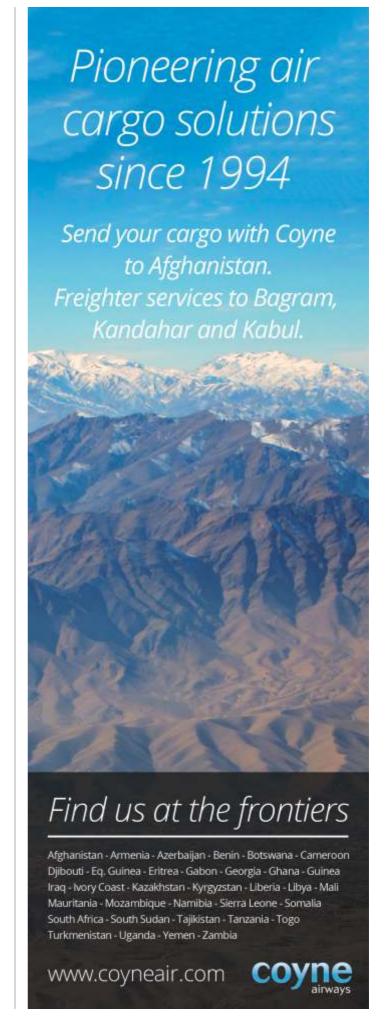
December's performance ensured a strong end to the year with volumes up 5% year-on-year and revenue 16% above target. During the month, the airline's cargo business ex-UK was 4% ahead of the previous year in terms of tonnage, while eastbound freight volumes from the U.S. to the UK rose 4% compared to the same month in 2015.

Virgin's load factor of 64% continued to be significantly above the industry average supported by increased pharma and ecommerce business, notably to and from the U.S. The airline's transatlantic joint venture with Delta Air Lines also contributed to the growth in cargo tonnage. Routes from the UK to New York, Boston, Chicago, Detroit, Atlanta, Los Angeles and San Francisco were among those showing year-on-year gains in volume, as did Dubai.

Flights from the U.S. to London and Manchester also received strong customer support with Virgin's flights from Atlanta, Boston, Detroit, Los Angeles, Miami, San Francisco and Washington showing revenue and tonnage increases. There were also double digit increases in volumes ex Delhi and Lagos.

John Lloyd, Senior Vice President, Cargo at Virgin Atlantic, said: "2016 was a challenging year for a whole variety of reasons. The impact of overcapacity on yields and the falling value of sterling were major factors and we also saw a reduction in revenues due to route changes driven by passenger demand. The second half of the year was much stronger, particularly for business from the UK, and it ended with a welcome pre-Christmas peak season which resulted in some improvement in average yield. We expect to see some more stability return to the market this year."

The airline's 2017 performance will be supported by the launch of its daily Heathrow-Seattle route, a weekly service from Gatwick to Varadero in Cuba, and new flights from Manchester to San Francisco, Boston and New York JFK.







## **Qatar Airways Cargo opens freighter service to Cambodia**



**Doha, Qatar:** Qatar Airways Cargo launched its first freighter service to Cambodia's capital, Phnom Penh, on April 3, carrying mostly clothing products from the country's robust garment manufacturing industry.

The A330 freighter operating on the

Doha-Phnom Penh-Doha route once a week will offer over 60 tons of cargo capacity each way, the company says.

Qatar Airways Cargo currently carries more than 70 tons of belly-hold cargo on the daily wide-body passenger flights to Phnom Penh via Ho Chi Minh City, Vietnam every week.

The introduction of direct freighter services on this route offers exporters increased capacity and flexibility to transport their commodities to Qatar Airways' global network of more than 150 destinations via its state-of-theart hub in Doha.

"This is our fifth freighter destination launched this year, in tandem with our increased fleet size," said Ulrich Ogiermann, Qatar Airways Chief Officer Cargo.

"Intra-Asia air cargo has grown over the years, and we have observed substantial migration of manufacturing trade from China to Southeast Asian countries such as Cambodia and Vietnam. Leveraging our extensive network of more than 70 cities in Africa, Europe and the Americas, we are in the lead to provide our customers in the Southeast Asia region adequate capacity, flexibility and world-class air freight solutions via our state-of-the-art Dohahub."

## Cargolux 747-8F first to reach 1 million hour on the GEnx engine



**Luxembourg:** Five and a half years since it began using GEnx-powered 747-8F. Cargolux became the first operator in the world to fly one million hours using this new engine type and remains GE's GEnx fleet leader in total operating hours.

With the first delivery of the 747-8F, Cargolux also became the launch customer of the GEnx engine that represents a giant leap forward in propulsion technology, using the latest materials and design processes to reduce weigh and improve

performance.

"One million flight hours on a new engine type is a tremendous achievement, both for GE and Cargolux," says OnnoPietersma, Cargolux EVP Maintenance & Engineering. "Our confidence in the GEnx has well paid off, even if we had to work around some teething problems with the engine that are perfectly normal for such an innovative design. GE's support team has been extremely helpful in getting

things on track and our 747-8 freighters benefit from the superior performance of this powerplant."

"The GEnx engine has proven itself to be an outstanding engine in terms of technology and performance," says Tom Levin, General Manager for GE's GEnx engine program. "As the GEnx launch customer, Cargolux has led the fleet and we are proud to celebrate the one million flight hours with them."

The Cargolux freighters flew record numbers of block hours during 2016 and, as a leading operator of Boeing's 747-8F, the airline routinely achieves a record-high utilization of its fleet.

Cargolux's Maintenance Division maintains the fleet schedule reliability on a high level with an average dispatch rate of 97.7% for the 747-8F and 97.5% for the 747-400F in 2016. Thanks in no small part to its advanced GEnx engine, as well as improved aerodynamics and lighter materials, the 747-8 Freighter provides doubledigit improvements in fuel consumption and carbon emissions – well below ICAO limits.







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### **Dubai's P&O Ports to invest \$336M in Somalia's Port of Bosasso**



Dubai, UAE: P&O Ports is investing at least \$336 million (about AED1.235 billion) to manage and develop a multi-purpose port project at Bosasso in Somalia's Puntland State a mid sustained peace and development in the area.

In 2006, DP World acquired P&O Ports, a British company with more than 200 years history in shipping and port industry for £3.9 billion, according to reports.

In 2015, P&O Ports which is 100

percent owned by the government of Dubai, began investing in small and medium ports in emerging markets, particularly in Africa.

"The Port of Bosaso is a unique opportunity to enter into a multipurpose port that is transitioning to containerization in a country that is growing strongly as it enters a period of sustained peace," said Ports, Customs & Freezone Corporation (PCFC) Chairman Sultan Ahmed bin Sulayem who also chairs DP World.

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"It fits ideally into P&O Port's mandate to invest in multipurpose ports in emerging markets, employing local people and developing skills. In return, the state of Puntland will benefit from an internationally recognized port operator contributing to its economic growth and trade potential," he added.

Work on the project will involve building a 450m quay and a 5 hectare back up area, dredging to a depth of 12m with reclamation work using dredge spoil, P&O Ports said in a statement. There will also be major investment in an IT and Terminal Operating System (TOS), mobile harbor cranes and container handling equipment.

President of Puntland, H.E. Abdiweli Mohamed Ali, described the concession deal as a "huge undertaking in Puntland and will greatly contribute to the infrastructure development in Somalia..."

"Infrastructure development is a priority for the government of Puntland as it underpins the efforts of taking this country forward. This concession agreement of expanding the Bosasso port is a major achievement for my government and for the people of Puntland. It promotes the historical and the trade relations between the countries of UAE and Somalia," the president noted.

The Port of Bosasso is located in Puntland State of Somalia, 2000-km north of the old capital Mogadishu. It occupies a strategic location for maritime transport in the Gulf of Aden at the Southern approach to the Red Sea and Suez Canal.

Though believed to be rich with unexplored natural gas reserves, Somalia remains poverty stricken besieged with security threats and problems with international piracy that enriched extremists in billions of dollars overtheyears.

# Siemens to set up global logistics hub at Expo 2020 Dubai site

**DUBAI:** Siemens AG will set up its global headquarters for airports, cargo and ports logistics in Dubai and will use the site of Expo 2020 Dubai as the future location for this business after the event ends in April 2021.

The German company's decision to locate some of its key businesses within the 4.38-square kilometer Dubai South site will capitalize on the industrial and logistics developments in the emirate, the Emirates News Agency WAM reported.

The move is seen as a major vote of confidence for Expo's legacy strategy, aimed at ensuring its site becomes a blossoming district for businesses, residents and tourists alike after the Expo closes.

Additionally, Expo 2020 Dubai announced that Siemens is to become a Premier Partner for Intelligent Infrastructure and Operations, providing a wide range of innovative solutions, technologies and products to help plan, build and operate an exceptional Expo that will continue to make a meaningful impact well beyond its closure.

Sheikh Ahmed bin Saeed Al Maktoum, Chairman of the Expo 2020 Dubai Higher Committee, welcomed the addition of Siemens to its elite group of Premier Partners, and said the decision of such a leading company to set up its global logistics headquarters at the site after 2021 was a landmark in the overall journey of Expo.

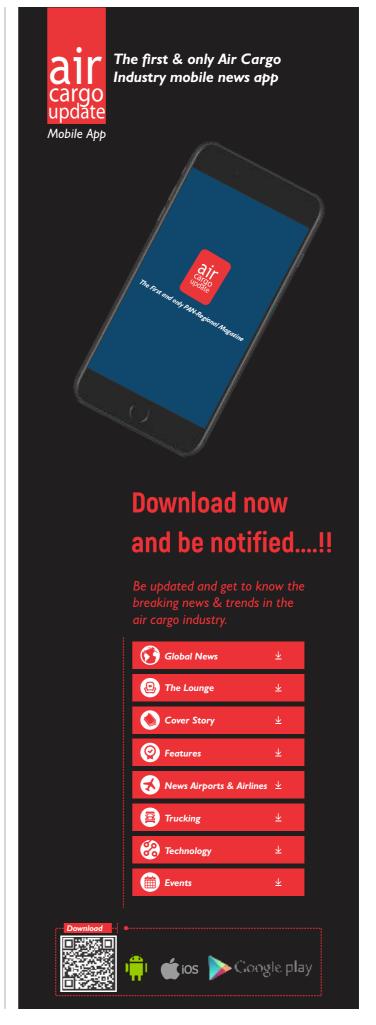
"The decision by Siemens to set up its global headquarters for logistics in Dubai is a vote of confidence for the strong viable legacy plan for the Expo 2020 site and also confirms the global role that Dubai plays as an international hub for business, the logistics, aviation and maritime industries," he said.

Expo management anticipates that more world class companies will follow Siemens' example, bringing new jobs and business to the developing area in Dubai South.

Siemens will make use of the existing infrastructure that is already being put in place on the site and use the permanent buildings of Expo 2020 Dubai as the new home for its future global logistics headquarters.

The new global HQ will include bases for Siemens' airports, cargo infrastructure and ports teams. All levels of value addition will be represented in Dubai including global management and strategy, research and development, innovation, software development, sales, assembly, and production.

Under the partnership, Siemens will also provide smart solutions for Expo 2020 technical and site operations and implement MindSphere, an open operating system for The Internet of Things.







# **Turkish Cargo launches flights to Oslo Airport**



**OSLO:** Turkish Cargo recently launched twice a week flights to Oslo, collecting Norwegian seafood for delivery across the globe.

The Norwegian seafood market hit a

expectations that its partnership with the Norwegian seafood market can make the industry even more competitive.

"Our Istanbul network enables us to



record high in 2016 and Turkish Cargo says it's glad to be part of its further development.

Turkish Cargo uses Airbus A330-200F for its Tuesday and Friday flights to Oslo and expressed great offer efficient connections to great traditional markets for Norwegian seafood, and simultaneously access brand new markets through our global network. We have great expectations for the Norwegian market, and we are convinced that our route and network can help to make the Norwegian seafood industry even more competitive," Sinan Dilek, General Manager Turkish Airlines Norway, said in a statement.

Turkish Cargo was awarded the "Fastest Growing International Cargo Airline of the Year" during the Air Cargo Africa 2017 summit held last February in Johannesburg, South Africa.

Turhan Özen, who received the award on behalf of Turkish Cargo, said: "Thanks to our dedicated efforts, we have been able to grow rapidly in recent years and become the 11th largest airline company in the African cargo market. I sincerely thank all Turkish Airlines employees who have contributed to this success. Our goal is to increase our growth rate even further and enter the year 2020 as one of the top 5 air cargo companies in the African market."





MAQTA Gateway completes digitalization of

all imports & exports

ABU DHABI: Abu Dhabi Ports has introduced a new stream of digital services in the field of import and export operations for RORO and General Cargo to speed up the process and further enhance the business.

The master developer, operator and manager of commercial and community ports in the Emirate, as well as Khalifa Industrial Zone Abu Dhabi (KIZAD), Abu Dhabi Ports said "this is a substantial offering that will provide customers and stakeholders the accessibility to new benefits they can now reap from the automation of operational processes and services through its Maqta Port Community System (PCS)."

The new service marks the completion of the digitalization of all operational services, following the success in providing digital services for container and cruise vessels across Abu Dubai's commercial ports in 2016.

Announcing the new digital services, Captain Mohamed Al Shamisi, CEO of Abu Dhabi Ports, stated: "Our Port Community System is the first of its kind in the Middle East, and is optimized to provide efficiency for all the procedures that expedite the movement of vessels in and out of the ports, hence ensuring robust and smooth operations."

"With the completion of this phase of digitalization, we have ensured the streamlining and facilitating of import and export activities at our commercial ports, further boosting Abu

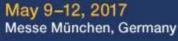


Dhabi's position as a leading maritime trade hub for the region," he added in a statement released through the Emirates News Agency WAM.

Abu Dhabi Ports has developed and delivered the technologically advanced Port Community System in record time, just a year after launching the project. Built in accordance with international standards, Maqta Port Community System was designed to transform and facilitate trade in Abu Dhabi through advanced smart services.

The new general cargo and RORO services are demand driven, which will enable shipping and cargo agents to process manifest, delivery orders, load and discharge lists, operational service requests and tally lists through the Maqta PCS.











**CARGO AID** 

# **UAE pledges \$68M more to support Syrians**

**BRUSSELS, Belgium:** The United Arab Emirates has pledged AED250 million (US\$68 million) more to support humanitarian aid and education for Syrians who continue to face mounting obstacles six years since the violent civil war broke in Syria.

By end of 2016, total aid provided by the UAE for Syria stood at more than \$832 million, the Emirates News Agency WAM reported.

Dr. Maytha bint Salem Al Shamsi, UAE Minister of State, made the disclosure at the Brussels Conference on Supporting the Future of Syria and the Region.

She said the UAE's latest donation will mainly be used to support education for refugees to empower them to find jobs.

"The difficult humanitarian conditions of the brotherly people of Syria remain a concern for the United Arab Emirates which was one of the first countries to undertake the responsibility of easing the suffering of the Syrian people," Dr. Al Shamsi said in a statement delivered at the two-day conference, co-chaired by the European Union, Germany, Kuwait, Norway, Qatar, the United Kingdom and the United Nations.

"It is doing this through providing relief and humanitarian aid and exerting political and diplomatic efforts aimed at bringing the conflict to an end and shining a light on the dangerous humanitarian situation in the country to add momentum at the international level to save lives and help restore security and stability," she added.

The UAE, she said, is also supporting internally displaced people inside Syria through the Syria Recovery Trust Fund in cooperation with the United States and Germany, as well as Syrian refugees hosted by neighboring countries Jordan, Lebanon, Iraq as well as in Greece and Egypt.

The UAE has pledged to host 15,000 Syrian refugees over the next five years. It has also set up refugee camps in Iraq, Jordan and Greece.

## **ERC helps equip Yemen health center**



ADEN, Yemen: A health center serving tens of thousands of Yemenis in a remote village in Tarim Directorate,

Hadramaut Valley got much needed help in terms of medical equipment through the Emirates Red Crescent.

ERC gave the center Complete Blood Test (CBC) equipment, sophisticated sonar devices and a number of medical oxygen cylinders to provide a better level of medical services to the villagers and the surrounding Bedouin communities, the Emirates News Agency WAM reported.

Khalifa Al Neyadi, Deputy Head of ERC in Hadramaut, said the western areas in Tarim Directorate are in dire need of such medical equipment. With them, villagers no longer have to travel long distance to reach the medical center in Tarim.

Riyadh bin Taleb Al Kathiri, Secretary of Hadramaut Governor for Relief and Reconstruction Affairs, extended his thanks and appreciation to the ERC for its urgent aid to the health sector.

## Emirati mobile field hospital reaches out to Zanzibar

**ABU DHABI, UAE:** Emirates has opened up a mobile field hospital in Zanzibar designed to treat for free vulnerable groups such as children and the elderly.

The UAE-Tanzanian medical team of volunteers from government and private hospitals from both countries provided diagnostic, therapeutic and preventive humanitarian medical services to an undetermined number of patients.

The opening of the hospital in Zanzibar comes in response the directives of President His Highness Sheikh Khalifa bin Zayed Al Nahyan to make 2017 the Year of Giving, enhance the UAE's humanitarian performance and respond to global humanitarian needs, WAM said.

The Emirati mobile field hospital employs 50 UAE and Tanzanian volunteer medical staff, headed by UAE heart surgeon Dr. Adel Al Shamri, Chief Executive Officer of the Zayed Giving Initiative, as well as doctors and surgeons from the UAE, Tanzania, the United States, France, Britain, Canada,

Egypt, South Africa and India.

The work of the emedical surgery team is part of the emotion of th



campaign to treat one million children and elderly patients. In the last 17 years, it has been able to reach out to millions of people in different countries around the world, treating more than five million children and elderly patients and performing 10,000 free surgeries for poor people.



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**DUBAI:** Close to 300 employees of MATEEN Express across the world are seeing 5.8 percent increase on their salaries thanks to the management's decision to implement the wage hike despite a global slowdown on trade and business.

Majid Barzanji, chairman and co-

# MATEEN Express implements 5.8% across-the-board wage increment

founder of MATEEN Express & Logistics, told Air Cargo Update the management held a series of discussions on the subject and concluded their employees deserve a wage hike despite the prevailing market uncertainties.

Barzanji, also the chair of the Air Freight Subcommittee & Executive Board Member National Association of Freight & Logistics (NAFL), said the UAE cost of living and elsewhere went higher and their employees deserve some help and appreciation.

"Business is the same. We have not seen any real change but we are hoping that the market will get better," Barzanji said in a phone interview. "We feel that our people need the increment because we have not adjusted their

salaries in 2015 and 2016 while the cost of living went higher. We can manage the pay increase."

The businessman said the company owes its employees for growth it has sustained for more than a decade since being founded mainly to cater to the air logistics sector in Iraq.

"A company means a bunch of people doing things together. Our people are the same ones we have been with since our establishment. They are very loyal. This is our way of showing them our appreciation," said Barzanji.

MATEEN Express has offices in UAE, Iraq, Kurdistan, China and Turkey. The company specializes in air cargo logistics, courier transport and logistics as well as oil and gas logistics.

# Etihad Airways is first Mideast MRO to get European approval

ABU DHABI: Etihad Airways Engineering became the first organisation in the Middle East to be granted with a Part 21G Production Organisation Approval (POA) by the European Aviation Safety Agency (EASA).

With this, Etihad is now entitled to manufacture interior parts such as seat covers, carpets, curtains, decals and markings alongside composite and other

cabin structures and release them with EASAAirworthiness Certificate.

This will allow installation of these parts onto aircraft registered in Europe or in any country recognising EASA certificates, such as the UAE and many countries in the Gulf.

Jeff Wilkinson, chief executive of Etihad Airways Engineering, said: "We are pleased to offer Etihad Airways, its equity partners and third party customers the flexibility of making cabin parts in-house. It will offer shorter lead times and competitive modification services as a package, in combination with our EASA Part21J



Design approvals and the testing labs operated with our partners."

"We remain focussed on developing our maintenance, repair and overhaul capabilities as a one-stop-facility while focusing on new platforms and delivering the highest standards of safety and quality," he added.

Etihad Airways Engineering is an AS9110 certified organisation and already holds EASA 145 approval, alongside EASA 21J approval for designing and undertaking minor and major changes and repairs. It is the Middle East's leading aviation maintenance, repair and overhaul (MRO) provider.

# DAE ends FY2016 with US\$417.8M revenues

**DUBAI:** The total revenues for full year 2016 of Dubai Aerospace Enterprise (DAE) Ltd. went up by 22 percent to US\$417.8 million (AED1,534 million), the company disclosed.

The company's net income from continuing operations posted an astronomical increase of 323% from only US\$29.5 million in FY2015 to US\$341.7 million.

DAE Managing Director Khalifa H. AlDaboos said: "DAE continued its journey to becoming an established industry player with many significant achievements in 2016. There is a sizeable opportunity to expand within the aerospace sector in the UAE and the Middle East. DAE's growth ambitions will focus on expanding its presence broadly in the sector and in the region."

The company's aircraft portfolio in 2016 includes 112 planes with a net book value of US\$5.1 billion (AED18.7 billion). It vows to broaden its access to global capital markets to further strengthen shareholders' equity.





# Seko Logistics delivers 92-ton transformers for the world's largest solar project



DUBAI, UAE: SEKO Logistics has delivered two 92-ton transformers to the DEWA 260Megawatt Solar PV project, the world's largest solar project.

SEKO was awarded the contract to move the heavyweight cargo because of its growing reputation in the UAE and Middle East region as a leading logistics service provider to the renewable energy industry.

This is in addition to its significant solar business in the United States for both commercial customers and consumers, which most recently was one of the key reasons for SEKO's decision to triple the size of its warehouse operations in California.

The transformers were shipped to Dubai to support the latest phase of construction at The Mohammed bin Rashid Al Maktoum Solar Park, which will generate 260 megawatts (MW) of electricity by April 2017 using 2.2 million photovoltaic solar panels.

The UAE government has declared that Dubai will build the capability to generate 5,000 megawatts of solar power to provide energy to one of the most iconic cities in the world.

TSK Group of Spain, one of the leading Engineering, Procurement and Construction (EPC) companies, commissioned SEKO to provide the best logistics solution during the early stages of their planning.

SEKO managed the project working closely with its local partner in the UAE, International Maritime and Aviation

The company says it plans to expand its services in the UAE and the neighboring region by offering customers more technology and visibility solutions for their renewable energy projects.



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# GSS Takes Off By Genma Q, Casas

In less than a decade, the company has firmly established a foothold in the highly competitive air cargo industry, increasing its freighter fleet from 4 to 7



#### **COVER STORY**

he global air cargo industry grew by 3.8 percent in 2016 but it remains exceptionally challenged with issues on over capacity, security, political instability and a slowdown on world trade

The International Air Transport Association (IATA) says strong growth was reported on cross border e-commerce and pharmaceuticals, which could continue to offer opportunities for the air freight industry in 2017 and beyond.

"Looking ahead, it remains unclear as to whether the recent momentum for air cargo is a start of a sustained, stronger growth trend or a potential false dawn. There are a number of competing drivers. On the one hand, the industry is reporting strong growth in areas such as cross border e-commerce and pharmaceuticals, which are expected to continue to offer opportunities for air freight in 2017 and beyond," IATA says in its December 2016 market analysis.



populist and protectionist political rhetoric means that we may now have passed 'peak trade openness', which is likely to reduce tailwinds for global trade and air cargo in the years ahead," it added.

Industry experts say the first quarter of 2017 brought in promising figures for a sustained upward trend. And the nonprofit group IATA is also optimistic the air freight sector will post at least a 5.5 percent growth this year with the e-commerce boom

profits and propel growth where oppor-tunities are likely to be made.

The company, which specializes in ACMI and charter flights out of its hub in the UAE, consistently posted 20-25 percent growth for three consecutive years now ending in 2016.

"We had been growing consistently in the last three years at an average 20–25% and in 2016, we performed exceptionally well with sales turnover of AED142 million," Shekar Gunasekaran, founder and CEO of GSSAero, told Air Cargo Update.

The company also expanded its services this year with the launch of the VIP passenger charter department.

"This year, we started our VIP passenger charter department to cater to our regular customers. Despite stiff competition from wellestablished players in the market, it's showing good results less than a year since being introduced," Gunasekaran shared and expressed optimism that with the core strength of the company's staff coupled with his partners' support, the venture will also be successful.

#### Building capacities and reputation

Though relatively new in the market, GSS is run by well-experienced industry professionals whose collective ideas and strategies make a difference.



"On the other hand, though, wider weakness in world trade conditions remains an ongoing concern. Moreover, the recent pick-up in

#### Rising above the challenges

But for some companies like Global Services Solution FZCO (GSS Aero), tough times are no barrier to rake in



Add to that is the company's huge investments on assets that speed up the freight process and ensure unmatched reliance on delivering goods on time, practically anywhere in the world.

Gunasekaran said with the acquisition of three more planes, their fleet would be beefed to seven freighters.

"We are an asset-based company. We currently own four freighters in our fleet and will add another three planes this year to our growing fleet to cater to the growing charter market in the region. In addition, we also have long-term contracts with various customers that allow us to operate our freighters extensively in the region to cater to South Asia/Iraq/ Somalia and African market on a regular basis depending on customer's flexibility," he said.

For the most part, GSS is known for ACMI and charter brokering, a highly-competitive specialization in the air cargo industry with only the most stable companies managing to survive.

Gunasekaran agreed saying he has seen a number of companies charter brokers declined, preferring those only with known reliance and professionalism as clients.

Apart from GSS's growing assets, it also has well-trained and highly professional staff who can deal with clients any time of the day to solve problems.

"We also specialize in crew management, in-house 24 x 7 flight operation team, direct contract with fuel suppliers, engineering support and own AOC," said Gunasekaran.

GSS clients include some of the biggest and well-reputed in global trade such as Rus Aviation, Chapman Freeborn, WFP, KTZ Express, SFS, Fast Logistics, Flying Carpet, UPS, Kuehne Nagel, among others.

"These customers are with us for several years and contribute to our growing success," said Gunasekaran.

To date, GSS has 23 staff in the UAE; two in Houston, and; 11 in Moldova. All of whom are extended appropriate trainings to keep up with the needs of the industry.

Gunasekaran said their staff work as a team & are continuously encouraged to learn new things for their professional benefits.

"We believe in our staff strength and constantly encourage them to elevate to next level within the organization and provide support / encourage-ment to them in professional and personal level," he said.

#### Vision 2017 and beyond

With solid financial footing and an astute management, GSS is now embarking on overseas expansion plans, to further widen its international presence among

potential clients. It is also buying three more B747 freighter planes.

On top of that, the company has just opened its new office in Houston, Texas and is now on the final stage of setting up similar offices in Hong Kong and Europe.

"Year 2017 is very important in the history of GSS since we have already opened office in Houston, USA and in addition, we will be taking delivery of our first B747-400F freighter followed by 2nd and 3rd aircraft in the month of Sept and Oct 2017. We are also in the final stage to open office in Hong Kong and have European AOC," said Gunasekaran.

A well-reputed executive in the industry, Gunasekaran says his vision is to make GSS a global brand known for its one-stop cargo services.

"We have strong presence in the UAE market and would like to brand our company as ONE STOP destination for all charter requirements since our company is unique because of the wealth of experience our directors have in all fields of sales, operations, engineering, aircraft management, ground handling and flight support service. In the coming years, we would like our company's presence felt in Far East, Europe,





#### **COVER STORY**











And like others, Gunasekaran is also upbeat about Dubai hosting the World Expo 2020. The event is largely seen to fuel economic activities in many fronts, including aviation and logistics.

"It's very important not only to our industry but in totality since this automatically increases the volume of logistical business in coming years and have positive impact in our charter department to import some urgent project cargo to UAE from various part of the world," he said. "We expect the cargo industry to see substantial growth in light of Expo 2020."



# **About** Shekar Gunasekaran

Steering the wheel for GSS Aero is the pragmatic and enterprising Shekar Gunasekaran, the company's founder and chief executive officer.

Born and raised in eastern India's Chennai, the physics graduate Gunasekaran began his career in the aviation industry in 1990 with the Pakistan International Airlines. He later joined Russia's Aeroflot, where for the most part, he dealt with charter flights for large pharmaceutical companies transporting goods to Russia and CIS.

In 2003, Shekar relocated to Dubai to join Hellmann Worldwide Logistics where he made a name for himself by "winning big contracts." This dramatically changed his reputation in the industry such that by 2009, he managed to set up GSS.

By 2012, GSS acquired its first aircraft. Today, its fleet will soon be made up of seven freighters with the acquisition of three more B747 this year.



**FEATURES** 



The objective of Regional Connectivity Scheme is to make flying affordable for the masses, to promote tourism, increase employment and promote balanced regional growth. It also intends to put life into unserved and underserved airports.









Since the Narendra Modi government came into power, a lot of synergies were created among ministries.

One of them is between the Ministry of Defense and the Ministry of Civil Aviation. They are taking this further by coming on one platform – Aero India. The recently concluded Aero India 2017 was one example of their joint project.

Prior to this, India had clearly demarcated defence and civil aviation events – Aero India, held in Bengaluru, was primarily defense and India Aviation in Hyderabad was only civil aviation.

Till this year, the two ministers used to head to these locations to promote their respective turfs. But at Aero India 2017, they were together and both voiced in clear terms that, henceforth, it would be one show.

The question on everyone's mind is whether there will be India Aviation next year at Hyderabad or not? It is not clear as yet. Similarly, the location of the next international air show in India is not known.

The political machinery has been busy with elections in different states

and one would have to wait till that dust settles down.

However, the Minister of Civil Aviation, Ashok Gajapathi Raju, told this correspondent that 'See, in Paris there is one air show for both civil and military, similarly in Farnborough (London) it is one air show and they have marketed them so well. We need to bring about this convergence between civil and military due to many commonalities."

#### India to invest heavily in infrastructure

Speaking at the inaugural ceremony, Minister Raju said Indian civil aviation was the fastest growing one in the world, registering a growth rate of over 20 percent in the last two years. In the wake of growing civil aviation sector, our Airports need to grow to cater to the growing demands.

The Airports Authority of India (AAI) has decided to invest about US\$2.6 billion in the next five years for improving the existing airports and that includes creating of airport infrastructure, air cargo hubs, air navigation etc.

"If we have to sustain and take forward the current growth we need

more investments from all sides. If we are able to sustain this growth we will be the third largest civil aviation market in the world by 2022."

Addressing a joint press conference, Mr. Raju said the government was opening up the aviation sector like never before.

The National Civil Aviation Policy and subsequently the Regional Connectivity Scheme (RCS) were going to be facilitators of phenomenal growth. He underscored the importance of both MRO (maintenance, repair and overhaul) and the air cargo sector which have a multiplier effect on the economy.

"The objective of Regional Connectivity Scheme is to make flying affordable for the masses, to promote tourism, increase employment and promote balanced regional growth. It also intends to put life into unserved and underserved airports," he said.

It is worth mentioning here that Hindustan Aeronautics Limited has built a 19-seater civilian aircraft which could very well be put to good use under RCS. With e-commerce and mobile payments growing in India and regional connectivity improving, the movement of e-commerce to small towns would gain traction. The Minister said while no-frills airports would come up, the air cargo sector would be part of the scheme of development.

#### Incentives for cargo sector

The government is providing various incentives for cargo operations under RCS for up to 10 years from the date of notification of the scheme. Some of the incentives are 2 per cent Excise Duty on ATF (aviation turbine fuel) drawn for air freighter operations at RCS Airports for a period of three years from the date of notification of the RCS.

As and when the government moves into GST regime (Goods and Services Tax), rates will be applicable as determined under GST and exemptions/concessions shall be given as permissible so that such a reduced level of taxation could ideally be continued.

Airport operators (whether under the ownership of the AAI, State Governments, private entities or the



#### **FEATURES**

Ministry of Defence) are not to levy Landing Charges and Parking Charges or any other charge subsuming a charge for such aspects in future.

Similarly the Terminal Navigation Landing Charges (TNLC); Route Navigation and Facilitation Charges (RNFC) will be levied by AAI on a discounted basis @ 42.50 per cent of normal rates. Normal rates refer to applicable rates specified by the AAI on its website from time to time without any discounts or concessions. However, the government has excluded cargo operations from getting any support underthe viability gap funding (VGF).

While the RCS is to get off the block, the Civil Aviation Minister's presence was significant at Aero India as he was laying emphasis on cargo and MRO to build a strong aviation base. The show did not attract any player either from the civil cargo and MRO segments. The Minister said that once marketing as a single event would commence then it would be a different proposition.

#### Coolport at Bengaluru airport

Nevertheless, there was some cargo related news at the show. First, Air India SATS Airport Services (AISATS), an airport services company, launched 'AISATS Coolport' – country's first integrated on–airport perishable cargo handling centre, at Kempegowda International Airport, Bengaluru (KIAB).



The 11,000-square metre facility built at a total project cost of 48 crore, was inaugurated by R V Deshpande, Karnataka Minister for Large & Medium Industries & Infrastructure Development. The AISATS Coolport has 17 dedicated cold rooms with temperatures ranging from -25 degree C to 250 degree C, and a capacity to handle 40,000 tonnes annually. In the past few years, Indian air cargo industry has seen



tremendous demand for handling of perishable cargo products.

#### HAL bags cargo doors order

At the show, state-run Hindustan Aeronautics Ltd (HAL) received a fresh order from the Israeli Aerospace Industries (IAI) to supply eight sets of cargo doors for the main deck of Boeing 737.

HAL has already supplied 30 similar doors to IAI, a Tel Aviv-based leading supplier of subsystems and components to Boeing. HAL as such has been making doors for the single aisle A320 aircraft of the global aerospace major Airbus Industries since 2009.

"The IAI's new order reflects the confidence reposed by our valued Israeli customer," asserted HAL Chairman T. Suvarna Raju. The

company, however, did not disclose the value of the new or the previous orders and delivery schedule of the fresh one. Boeing has sold about 6,500 jets in the 737-200C series worldwide. "The Boeing 737 aircraft has the capacity to carry 21,500 pounds of cargo and 112 passengers," said

the US-based aerospace major.

#### 'Make in India' theme reverberates

Aero India 2017 continued to lay emphasis on the 'Make in India' theme and the original equipment manufacturers (OEMs) have started toeing that line. An Airbus spokesperson said strengthening 'Make in India' partnerships would be the group's main focus. "The future of

Indian aerospace and defence industry rests on the realization of the Make in India vision," said Pierre de Bausset, who heads Airbus India.

Airbus has partnered with the Tata Advanced Systems Limited to set up a final assembly line for C295W military transport planes in the country. The C295Ws will replace the Indian Air Force's ageing Avro fleet as part of a \$2-billion program for 56 new planes. While 16 of these will come in a flyaway condition, the remaining will be built in India.

The C-295 can carry as many as 71 passengers or 50 paratroops. It can fulfill humanitarian aid and disaster response (HADR) functions since it is able to carry 24 stretchers with attendants, or about 20,000 lbs. of cargo. Another important trait of the C-295 is its capability to do short field landing and takeoff.

Reliance is getting into aerospace and defence sector majorly and it said that the Dhirubhai Ambani Aerospace Park, located at the Multi-modal International Cargo Hub and Airport at Nagpur (MIHAN), would most likely be considered by Reliance Defence Limited for a new facility to support its aerospace plans.

Wherever and whenever the single air show would be held, it would certainly bigger comprising both military and civil segments. Obviously, this would call for greater and more efficient way of organizing an air show of such mammoth proportions.



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**FEATURES** 

# Modern WMS cuts costs where possible

Market for digital solutions enhancing productivity without extra labor costs projected to rise multi-fold

The WMS market size is projected to reach \$3,112 million by 2022, growing at a CAGR of 15.2% from 2016 to 2022. This can be attributed to the increase in inventory and workload of WMS in warehouse operations.





# 1

#### **FEATURES**

ith recent technological advancements and the rise in demand for warehouse management systems (WMS) in retail and third party logistics (3PL) application, the WMS market is expected to be stronger in the coming decade.

The WMS market size is projected to reach \$3,112 million by 2022, growing at a CAGR of 15.2% from 2016 to 2022. This can be attributed to the increase in inventory and workload of WMS in warehouse operations.

Europe is expected to be the largest market during the forecast period, according to Global Warehouse Management System Market by Component Type, Industry Vertical, and Geography—Global Opportunity Analysis and Industry Forecasts, 2014–2022 published by Allied Market Research (AMR).

Air Cargo Update sat down with Naval Sabharwal, Global Head – Supply Chain and Logistics, Ramco Systems to discuss the benefits of using WMS in the cargo industry.

#### WMS

The evolution of WMS is very similar to many other software solutions. A WMS manages the warehouse operation. It performs in real time, managing labour, maximizing equipment and tracking and controlling inventory. In doing this, it maximises labour productivity and minimises errors.

WMS is available in wide range of technologies. However, Java and .NET are the basis for many of the warehouse management systems available in the market. There are many types of warehouses as follows; Raw Material Warehouse, WIP Inventory Warehouse, Finished Goods Warehouse, Distribution Centers, Climate Controlled Warehouse and Special Warehouses such as Bonded Warehouse and Free Trade Zones.

#### A modern trend

In WMS, inventory management is an asset and is defined as any property intended to meet the requirements of customers throughout the business cycle. It adds to the cost of operations irrespective of the form it is in – be it

raw materials, WIP goods, finished products and inventory in transit and it is important that the inventory is managed at an optimum level to improve the cost revenues of the organization without compromising its ability to meet the ongoing demands of its operations and to meet its customers requirements.

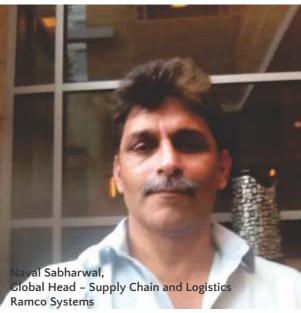
"The advent of software technology in this space has resulted in organizations implementing modern inventory management system to achieve this coveted balance. With the emergence of Mobile technology, smartphones to are gaining the upper hand in managing the inventory. A large number of business owners have been able to access real-time information about their inventory onthe-go.

"Balancing customer and vendor relationship is a critical aspect in the supply chain and has often been considered the essence of supply chain management. However, closer examinations reveal that the heart of these relationships is inventory movement and storage. Most of the activities involved in managing the vendor-customer relationship are based on purchase, transfer, or management of inventory. Hence, inventory is a fundamental component of the supply chain, and its primary purpose is to feed the customers' requirements across the supply chain".

#### An auxiliary of trade

Warehouse helps to store the inventory in all forms safely and securely until the point of purchase or consumption by the customer.

"In today's world where demands are volatile and replenishment times are long due to globalization, achieving



100% JIT (Just in Time) or a Kanban model is impossible, and this calls for a build-up of certain types and quantities of inventory at various stages of the supply chain. Warehouses provide the means to store such inventory in a safe and secure manner."

#### Helping warehouse operations

Warehouse managers today have an array of technologies to choose from, to streamline operations, reduce costs and improve performances. A few key aspects where technology come to the rescue are – optimizing warehouse processes and operations, enhancing productivity, increased visibility of inventory, improved utilization of resources and enhanced customer satisfaction.

A superior WMS improves space utilization in the warehouse by informing the operator where to put the item by selecting a storage location that best fits the product. It can also improve warehouse capacity, allowing goods to move more quickly through the facility and at the same time reducing handling and storage requirements.

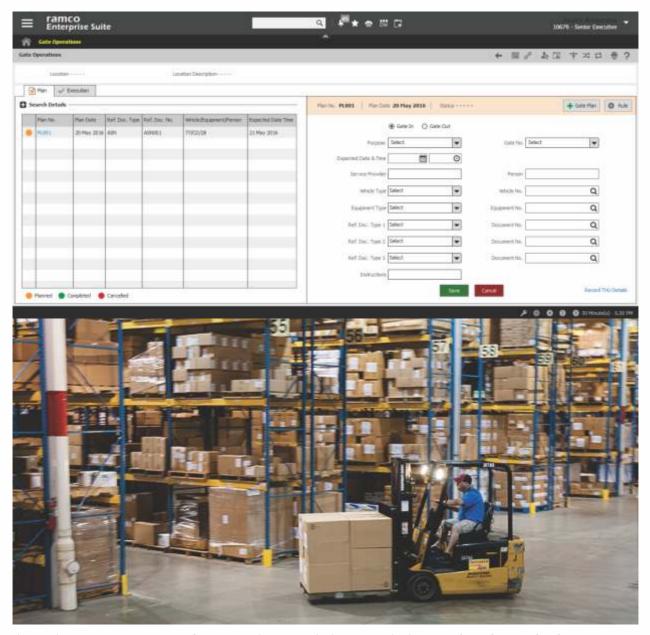
Like any other software, WMS is a software which helps to streamline and optimize processes and will require manual interaction to some degree for it to be able to perform the tasks.

"Unsustainable and people





#### **FEATURES**



dependent core activities of a warehouse such as planning, resource allocation and directing execution are automated by WMS with little support from operators".

#### Mobility availability

The warehouse is all about movement and tracking, and the availability of mobility feature in Warehouse will enhance productivity and operational efficiency. Hence, mobile technology has indeed become a necessity to keep pace with the technological trend.

Asked if WMS provides mobility, accuracy and efficiency at Ramco,

Naval responded positively by saying, "We certainly believe that WMS streamlines, automates and enhances warehouse operations significantly. At its most basic, it improves the efficiency and economy of movement within a warehouse with its logical planning thus reducing the number of 'touches' a material receives - the most important objective of any warehouse. Through automatic data capture and mobility, it improves accuracy in operations say picking or put away - and associated documentation by eliminating the manual entry which is certainly error prone".

#### High productivity levels

A well designed WMS increases labour productivity by managing worker's tasks. In addition to directing labour, WMS also provides labour planning feedback to management. That feedback is then used for estimating peaks and valleys in product activity.

"Labor productivity is increased through optimal work allocation to resources based on their skill sets, qualification, performance and availability and the errors in operations are minimized through the Automatic Data Capture mechanism that is used in the operations controlled by WMS.

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**FEATURES** 

# Transporting vegetables & fruits requires extra care & special techniques

Global cold chain market forecast to reach \$381.68B by 2025



ransporting fruits and vegetables have always been a tricky one as these perishables require varying techniques and care to keep them fresh when they reach their final destinations regardless of long flight hours.

The air cargo industry, which is tasked to safely transport various perishables, including seafood, dairy products, among others, in their natural state, constantly make innovations to deliver what is expected of it.

Having the right temperature to prevent spoilage is crucial to the industry when delivering perishables but its innovations and investments on such things pay off.

According to a new report by Grand View Research Inc., the global cold chain market is anticipated to reach \$381.68 billion by 2025. The cold chain development is primarily responsible for the reduction of wastage of perishable commodities and is vital for the growth of the food sector.

Air Cargo Update sat down with six airlines—Etihad Airways, Emirates Airline, Lufthansa, Norwegian, Finnair and Hawaiian Airlines—which specialize in shipping fruits and vegetables worldwide. They discussed their techniques in keeping fruits and vegetables fresh until they

reach their destinations, including your tables.

#### Transportation

Known to be a global facilitator of trade, Emirates SkyCargo transports perishables to over 150 destinations in 83 countries around the globe. Whether it is shipping cherries from Seattle, USA to Bangkok, Thailand, mangoes from the Indian subcontinent to the Middle East and Europe, lobsters from Boston and salmon from Norway to East Asia or flowers from Kenya to Amsterdam.

Moaza AL Falahi, Emirates Vice President Product Development &



air cargo update

#### **FEATURES**



UAE National Affairs, said, "Last year, Emirates SkyCargo deployed three dedicated freighter flights, two from Thiruvananthapuram and one from Kochi, transporting more than 288 tonnes of perishables including a variety of vegetables and fruits to the Middle East especially for the Onam celebrations in the region.

"The transport of vegetables and fruits from Kerala for Onam celebrations in the Middle East is a significant achievement for Emirates SkyCargo as special arrangements had to be made to operate freighter aircrafts from Thiruvananthapuram and Kochiairports which normally are not equipped to handle freighter aircrafts.

"Also in the run up to Valentine's day, we operated nine additional dedicated freighters to transport flowers from Nairobi to Amsterdam".

Finnair said the most perishable items they transport, include Papaya, Baby Corn, Lemon Grass, Rambutan, Longan, Chillies, etc.

Norwegian Cargo sees huge opportunities in perishable shipments as they fly state-of-the-art 787 Dreamliners that have temperature control capabilities to optimise the shelf life of fresh goods and serve as a growing network of important hubs where perishables such as fresh fish is sourced.

"We're able to make fast shipments of fresh salmon, shellfish and halibut from northern Norway to the US East Coast by the evening using our narrow body capacity which then connects on to our widebody transatlantic services. With this in mind, using our GSA at Oslo Airport, Aviation Plus, we are working to ship more volumes of perishables as we continue to deliver a strong proposition for our customers," said a Norwegian Cargo spokesperson who asked not to be named.

The most challenging perishable cargoes Lufthansa flew in 2015 are all kinds of berries, cherries, papayas, mangoes and beans and mixed vegetables.

#### Handling

All fruits and vegetables require optimum temperatures during transit and storage which are dependent upon varietal, climatic and other details of the produce.

Oliver Blum, Lufthansa Cargo Head of Operations Fresh/td Handling & Cross Functions, said, "We provide controlled temperature on board our freighters and wide-body aircraft. Temperature-sensitive ground handling, including reducing weather and climate effects through the fastest possible transportation to and from the aircraft are also part of the special handling of perishable goods. Moreover, we offer storage in Europe's largest refrigerated warehouse, the Perishable Center Frankfurt at our Lufthansa Cargo Hub Frankfurt."

Hawaiian Airlines physically and systematically identifies and labels fruits and vegetables before transportation.

Brad Matheny, Senior Director at Hawaiian Airlines, notes, "We mark shipments with a commodity code so we can easily identify their contents and handle accordingly".

#### Cargo protection

Apart from the services, Lufthansa also provides parking positions in Frankfurt directly in front of the Perishable Center to reduce the tarmac times to a minimum

"The face life, as well as the shelf-life (and its prolongation) of the product is





#### **FEATURES**



in the focus of our most important activities. To keep e.g. the flowers and plants or fruits and vegetables in good condition and to even extend the shelf life the joint optimization of the transport and co-operation of all involved supply-chain partners is getting more and more important, beginning at the farm until delivery to the consumer. The packaging for the entire transport needs to compensate exposures to unfavorable temperature and weather conditions for limited periods of time throughout the transportation. With Fresh/td Lufthansa Cargo provides a predominantly temperaturecontrolled environment during flight and storage and handling by experienced personnel," said Blum.

David Kerr, Senior Vice President of Etihad Cargo notes, "In the Middle East, we long for the winter when the temperature drops – our challenge is throughout the summer months with their extreme temperatures. During the hot months, we need to ensure the fruit and vegetable shipments move swiftly between aircraft and handling facilities to as not to compromise the cool chain.

"We monitor the temperature in the bellyhold of the aircraft and ensure the pallet is not sitting on the ramp for too long during loading and offloading. Then, inside the warehouse, they are stored in temperature controlled areas until they are ready for their next flight or collection by the consignee (usually in temperature controlled trucks)".

#### **Technology**

Etihad Airways uses several options available at the shippers' request, including Envirotainers, active temperature-controlled containers for air cargo; pre-cooled thermo blanket protection and cool dollies.

However, in cooperation with the Perishable Center Frankfurt (PCF), Lufthansa uses a vacuum-cooling for flowers in Frankfurt.

This is an offer which is preferably used for flowers which do have an overall long transport time, coming from South America or Africa and facing again a long transport from Frankfurt to their final destination.

The Vacuum-cooler can cool down two PMC pallets (96x125 inches) in just 30 minutes; a rapid yet gentle cooling is advantageous for the lifespan of sensitive, perishable goods such as flowers. Additionally, the Fast-cooler is often used for fruits during transit in Frankfurt.

Hawaiian Airlines uses data loggers to run tests of their supply chain, but not on per shipment basis.

#### Infrastructure and solutions

The customer needs to deliver the goods on a pallet ready for carriage, and the shipper/agent will be responsible for the packaging which is most suitable for the entire transport.

Lufthansa provides controlled temperature on board its freighters and wide-body aircraft and offers storage in Europe's largest refrigerated warehouse, the Perishable Center Frankfurt at its Lufthansa Cargo Hub Frankfurt.

Emirates SkyCargo has superior cool chain capabilities to connect two very distant points on the globe for temperature sensitive perishables. Some of its innovative product offerings developed by its team, include, the White Cover - Innovative protection product for temperature sensitive shipments. The white cover is designed to shield temperature-sensitive cargo from solar heat during transportation.

It is water resistant, yet breathable, ideal for 'living' food and flower products, environmentally friendly and 100 percent recyclable. It allows for cooling of the shipment during transportation and cold storage. On application, it completely encloses the shipments and weighs no more than three kilograms.

"Our product development team invented a new temperature controlled container which we named 'White Container'. It is coated on the inside with thermal Insulators to counteract high temperatures in Dubai and help preserve temperaturesensitive cargo, including fruits and vegetables but also pharmaceuticals.

"We continue to develop innovative solutions working closely with our customers. We have a number of new and exciting developments in the pipeline," affirms Al Falahi.

#### Staff training

All airlines handling perishable products follow IATA's Perishable Cargo Regulations, and according to them, all staff handling perishable items are regularly well trained and per IATA's handling procedure guidance.

However, Etihad cargo is very cognisant of the special handling required for temperature sensitive cargo, particularly the importance of maintaining the cool environment in which they are stored.



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**FEATURES** 

# Flying horses

## keep Luxair Cargo busy all year





orses have always been an important ally of humans throughout history in both times of peace and war.

They and some other four-legged animals like mules, donkeys and camels, have also played crucial roles in sustaining communities in different parts of the world, particularly in the Middle East, for food, transportation and recreation.

In modern times, horses and other exotic animals are still considered prized possessions fetching prices that could be higher than the blue book value of the plane used in transporting them from one continent to another.

The first known air transport of horses was recorded in the 1920s. By the 1950s, it has been the norm between some European countries that use horses for competition, breeding and commerce.

The first carriage of horses was said to have been with a Boeing 707 and the rest is history.

#### The business of flying animals

Luxair CARGO, the world's biggest handling agent, also has horses to thank for its thriving business.

The constant journey of horses and other live animals has kept the company busy in 2016 and the trend is expected to be carried through this

"Horses that travel well will be bright and alert with a normal rectal temperature upon arrival at their destination. Unload horses as soon as possible to avoid additional confinement and other stress factors. They should voluntarily drink and be keenly interested in eating within 1 or 2 hours of arrival. Hand walking or turnout in a small paddock for an hour or so upon arrival after a long journey is recommended,"



## air

#### **FEATURES**

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#### The business of flying animals

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The constant journey of horses and other live animals has kept the company busy in 2016 and the trend is expected to be carried through this year says Antoine Decker, manager Decker explained their company provides comfortable stalls and other similar shelters for the horses and other live animals to keep them safe and healthy en route to their final destination.

"When it's time to travel, the horses always have grooms with them and whatever they need to stay healthy and strong," said Decker, one of few





and recreation.

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business development & contracts at Luxair CARGO.

Decker said their company has in fact increased and modernized its animal station to accommodate the ever increasing traffic in transporting horses from their biggest client, Cargolux, which has kept its main hub in Luxembourg. Qatar Airways ranks second in transporting live animals.

"Beginning of 2016, we increased our animal stations because of the traffic. We're mainly transporting horses, every kind of tigers, alpacas, day-old chick, you name it," said Decker who has been with the company for almost 30 years now.

 $\hbox{``Luxembourgers'' in the industry}.$ 

The business executive said their company handled 759,000 tons for Luxembourg in 2016 up by 6% and he credits their major customers—Cargolux, Panalpina, Qatar Airways and Silkway—forthis.

#### **Equine stress**

Companies transporting horses adhere to certain international rules to keep the animal at ease and healthy while traveling.

This would protect them from getting the so-called "equine stress" which could affect their general state of physical and mental health.





**AIRLINES** 

## Kuwait Airways gets 6th B-777



KUWAIT: Kuwait Airways has received its 6th Boeing 777-300 ER this month bringing its operational fleet to 25 since the airline's restructuring program began a few months ago.

The national carrier of Kuwait is also poised to completely switch over its booking, ticketing and reservations system to the Amadeus Altéa Suite of

products within the next six months as part of the management's plan to revive the troubled airline.

The airline's fleet is being upgraded, the workforce being trimmed, all in a bid to make it more competitive in the region.

The new aircraft is to be called "Meskan" – named after the small Kuwaiti island just off the East coast of

the mainland, the airline said in a statement.

The sixth Boeing arrives during a Summer Season that Kuwait Airways recently announced has seen its weekly frequencies increased by 16 per cent, across its network – a total of 324 flights per week. The 777–300ER's introduction has also seen seat capacity boosted by up to 58 per cent, on certain routes.

With the sixth 777-300ER now set to enter commercial service within days, this allows Kuwait Airways to not only support existing routes on its regular 36-destination network, but has also meant that certain routes are now exclusively served by the new aircraft. These routes include: London; New York; Frankfurt; and soon to be Dhaka; Bangkok and Manila.

"We are pleased to note that Kuwait Airways' aircraft acquisition program is backed fully by all stakeholders and the Kuwaiti government and we are confident that the official national carrier of Kuwait will be a significant driver of success – not just for the airline – but for the overall ambitions of the government for the diversification of the economy and the country's long-term commercial status, infrastructure development and wider business and tourism goals," said Rasha Al Roumi, Kuwait Airways Chairperson & CEO.

A further 25 Airbus aircraft are also on order by Kuwait Airways, over the next four to five years, including those from the A320neo and A350 families of aircraft.

## **Ethiopian inaugurates 3 more MRO hangars**



ADDIS ABABA: Africa's largest Aviation Group, Ethiopian Airlines, recently unveiled three more wide body hangars capable of accommodating the biggest Boeing airplane at any given time.

Equipped with state-of-the-art tele-platforms and tail docks: a full paint and general maintenance hangar along with 15,000 sqm backside offices, different shops and 105,000 sqm hangar apron area, each facility is capable of accommodating 1-B747-800 (the biggest Boeing airplane) at a time or more other type of aircraft in different arrangements. The third hangar is also capable of accommodating 1-B777-200 or 3-B737 Aircraft at a time.

Ethiopian Group CEO, Mr. Tewolde GebreMariam, said, "Foundational Infrastructure development

is one of the four pillars of our fast, profitable and sustainable growth strategic roadmap, Vision 2025. Hence, to further complement our steady growth and attain our goal in remaining to be the leading MRO service provider in Africa, we have been making massive infrastructure development projects to modernize and expand existing MRO facilities at a total cost of US\$115 million."

"Beyond ensuring self-sufficiency, completion of these maintenance hangars will surely enhance our capability to cope up with the 21st century new aviation developments and offer third party services," he added.

Currently, Ethiopian provides complete total care maintenance service for ASKY, Malawian,

RwandAir, Congo Airways, Ceiba Intercontinental, CamAir-Co. and Jambojet Airlines.

The airline has also extended services to a number of operators based in Africa, Middle East, Far East and Central Asia.

Ethiopian MRO is accredited by FAA, EASA, and ECAA and is currently offering dependable services; base maintenance, line maintenance, engine maintenance, component maintenance, calibration services, engineering services, structure & composite maintenance, aircraft stripping & painting, and wire harness manufacturing. Boeing and Bombardier also approved its facility.



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**AIRLINES** 

# Emirates offers free boxes for laptops and tablets of US-bound passengers

**DUBAI:** US-bound travelers via Emirates will still be allowed to use their laptops and tablets while in transit in Dubai and will be offered free boxes once they board their flights to America.

The airline has extended this service amid the United States' decision to ban laptops and tablets on carry-on luggage as part of security measures against possible terror attacks.

Emirates says travelers must declare and hand overtheir laptops, tablets, and other banned electronic devices to security staff at the gate just before boarding their US-bound flight. The devices will be carefully packed into boxes, loaded into the aircraft hold, and returned to the customer at their US destination without any additional charges.

Passengers on US-bound flights starting their journeys in Dubai, meanwhile, are encouraged to pack their electronic devices into their check-in luggage in the first instance, to avoid delays.

The airline said customers should be aware there will be a detailed search of all hand baggage on non-stop flights to the US from Dubai. They should therefore declare their devices before the search, or ensure their electronic devices are packed into their check-in luggage in the first instance.

"Our aim is to ensure compliance with the new rules, while minimizing disruption to passenger flow and impact on customer experience. Our new complimentary service enables passengers, particularly those flying for business, to have the flexibility to use their devices until the last possible moment," said Sir Tim Clark, President Emirates Airline.

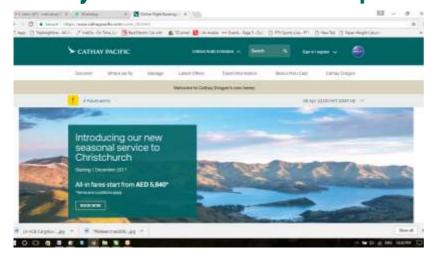
Airline data shows about 90 percent of passengers use onboard mobile



and Wi-Fi connectivity services via their smart phones and only 6 percent connect via their laptops and the remaining 4 percent via their tablets.

The US Transportation Security Administration (TSA) new rules that took effect on March 25 applies to all passengers travelling on non-stop flights to the US from Dubai, including those intransit. It does not apply to passengers travelling on Emirates' US-bound flights via Milan and Athens, or Emirates flights to/from any other destination.

## **Cathay Pacific switches to responsive website**



**HONG KONG:** Cathay Pacific has enhancedits website - www.cathaypacific.com - with an allnew online booking experience,

providing customers with greater convenience, more choices and making it even easier to use.

The airline says its features a responsive

web design that provides optimal viewing and easy navigation whether customers choose to use desktop computers, tablets or mobile phones.

In addition to a refreshed look and feel, the booking process includes enhanced seat map displays featuring realistic aircraft seating layouts, allowing passengers to select their preferred seats more easily.

Cathay Pacific operates two daily flights between Dubai and Hong Kong and one daily service between Dubai and Bahrain.

From the Hong Kong hub, the airline offers seamless connections to nearly 200 destinations in Asia, North America, Australia, Europe and Africa, using a fleet of more than 140 wide-body aircraft.



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**AIRLINES** 

## Turkish Airlines welcomes baby girl on board flight

**ISTANBUL:** Turkish Airlines crew helped deliver on April 7 a premature baby girl halfway through their flight from Guinea to Burkina Faso while cruising at an altitude of 42,000 feet.

The mother was 28 weeks pregnant when she suddenly experienced labor pains. The airline flight attendants quickly came to her rescue and the baby girl named Kadiju was safety delivered.

The mother and child were rushed to the hospital upon landing in Burkina Faso in northwest Africa.

Turkish Airlines tweeted: "It's a girl" with photos of the crew who happily posed with the newborn.

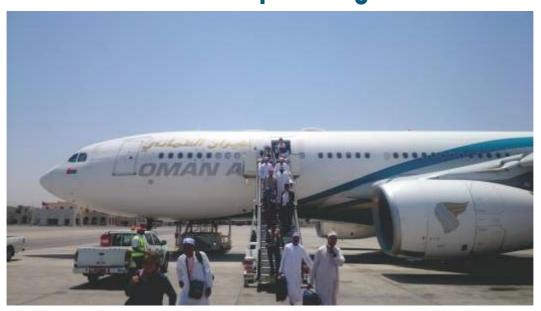
Babies born aboard a flying aircraft are traditionally given the privilege of flying for life for free. Turkish Airlines, however,

did not make exact pronouncements except that it was thrilled to have helped deliver the baby girl.

Last year, a baby girl was also delivered on board the Philippine budget airline Cebu Pacific on a flight from Dubai to Manila. The baby named Haven was gifted with 1 million airmiles.



## **Oman Air flies 7.7M passengers in 2016**



MUSCAT: Oman's flag carrier flew more than 7.7 million passengers in 2016, up by 21 percent compared to the previous year's record of 6.4 million.

According to Oman Air's latest annual report, the airline also

expanded its fleet to 47 during the period. Its load seat factor went up by 20 percent and its freight operations increased to 159,618 tons.

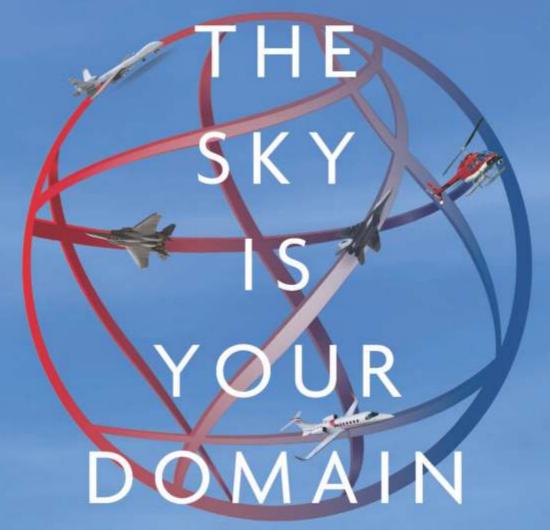
Darwish Bin Ismail Bin Ali Al Balushi, chairman of Oman Air's Board of

Directors, also noted the a i r l i n e launched the Oman Air Flight Training Centre (OAFTC) in 2016

"2016 was a year of both change and consolidation for Oman Air. Oman Air has continued its a m bitious program of expansion in 2016 with the introduction of four brand new

Boeing 737-800s joining the Oman Air fleet. The carrier has operated B737s for many years and the aircraft provide the backbone of the airline's long and medium haul fleet. We have continued to upgrade our Airbus fleet," said Al Balushi.





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**AIRPORTS** 

## Munich Airport prepares for 250,000 flights this summer



**MUNICH:** Munich Airport began its summer timetable, bracing for the influx of passengers for 250,000 flights to 238 destinations in 68 countries, throughout the period ending on October 28, 2017.

The company said in addition to 17 German airports and 171 medium-range routes, scheduled services will be available to 50 intercontinental destinations

From the end of May until early September, both Lufthansa and United Airlines will offer daily flights to San Francisco.

Condor is also adding two popular US destinations, with two weekly

departures to each of Las Vegas and Seattle starting at the beginning of May and mid–June, respectively. It will also offer a weekly service to Holguin, in the east of Cuba.

From the end of June, Saudia will operate four weekly flights to Riyadh and

three to Jeddah with Airbus A320 and Boeing 777 aircraft.

With the start of the summer timetable, the Lufthansa subsidiary Eurowings will have four aircraft stationed at Munich Airport to serve 31 attractive European destinations, above all in Italy, Greece and Croatia.

Italian cities served will include Brindisi, Cagliari and Lamezia Terme as well as Catania and Palermo in Sicily. In Greece, Eurowings will fly to Chania, Kavala, Heraklion and Thessaloniki.

Several flights per week will also be offered to the Greek islands of Corfu, Kos, Mykonos and Rhodes as well as the Spanish island of Ibiza. Other Eurowings summer destinations will include Dubrovnik, Split, Pula and Zadar in Croatia

Especially appealing to business travellers: Eurowings will be departing from Munich to the major European cities of Amsterdam, Edinburgh, London, Paris, Naples and Rome. Lufthansa is adding a new destination, with six weekly flights to Nantes in the west of France

The British carrier bmi Regional is expanding its roster of flights to Rostock, Brno and Norköpping with an additional weekday departure, and is also adding a new destination with a daily flight to Lublin in Poland.

The Latvian airline airBaltic is offering flights to the Lithuanian capital, Vilnius, departing every Monday, Wednesday and Friday. Another new destination available in Munich: Volotea, a carrier from Spain, will fly twice a week to the city of Oviedo in the northern Spanish province of Asturias from the end of May.

## 414 million passenger traffic projected in MENA by 2035



SHARJAH: The Middle East and North Africa (MENA) Region is projected to connect an extra 258 million passengers to and from its airports by 2035, exponentially increasing its passenger traffic to 414 million over the next two decades.

At the 6th Arab Aviation Summit, experts noted the aviation and tourism industry in the Middle East will lead the region's economy over the next decades.

They said the region's unique geographical location, and the advantages brought forth by world-class upgrades to airport infrastructure, the predicted growth for the Middle East will continue to boost regional economy, leading to an

increase in job opportunities across a multitude of sectors, and a further increase to indirect employment in local markets.

According to the International Air Transport Association (IATA), 2016 witnessed over 3.8 billion travellers taking to the skies; a figure which is forecast to reach 4 billion in 2017. The association projected this figure has the potential to reach 7.2 billion by 2035, a statement which confirms the vitality of the aviation industry.

With respect to the Middle East, the report has urged industry leaders to view the region as a single market of 350 million potential travellers, rather than segregated economies stymied by heavy regulations.

It states that a protectionist approach to the industry will only stall growth and further hinder the sector's ability to capture and service the under-served segments.

Estimates in the report show the number of aircraft operating in 2017 will rise by 1,000, bringing the total to 29,000 aircraft operating around the world. It further added there will be, on average, 73 flights departing every minute throughout the year.

The annual Arab Aviation Summit is an industry initiative committed to improving the state of travel and tourism in the Arab world by facilitating a constructive dialogue for public-private concertion



#### air cargo

#### **EXECUTIVE MOMENTS**

### IAG Cargo appoints new Chief Financial Officer



Roger Samways IAG Cargo has appointed Lewis Girdwood as Chief Financial Officer with the main task of steering the company's wheel to achieve its financial and

related targets, ensuring compliance with all corporate governance requirements and maintaining the right level of internal control for success.

Girdwood joins the business from EasyJet where he was Head of Financial Planning and Analysis.

With over 25 years of financial experience, Girdwood joins the IAG Cargo leadership team and will play a key role in delivering the carrier's business strategy.

During his seven years at EasyJet, Girdwood successfully delivered a number of business critical projects, including the 2013 fleet acquisition of the next generation airbus NEOs, enabling EasyJet to grow scale and become the UK's largest airline.

"Lewis brings a diverse skillset drawn from multiple industries from which we as a business can learn," comments Drew Crawley, Chief Executive, IAG Cargo.

#### **American Airlines names new business leaders**

With the retirement of two of its most admired team members, American Airlines has made new appointments to ensure continued success of the company.

Tim Ahern, Vice President – Customer Experience, is retiring this month while Terri Pope, Vice President – Charlotte Hub Operations, is set to retire in June.

Concurrent with this announcement, several additional appointments were made to backfill open positions:

Dec Lee will succeed Pope as Vice President – Charlotte Hub Operations. John Beavers has been promoted to Vice President – Engineering, Quality & Training, to assume Lee's previous role.

Jon Carlo Gulbranson has been promoted to Vice President – Reservations, a position previously open. Rick Elieson has been promoted to President – American Airlines Cargo, a position that was also previously open.

"It is always difficult to see respected team members depart, but Terri and Tim have worked hard for the people of American and deserve our deepest appreciation as they begin their retirement chapters," said American's President Robert Isom.

"Thanks to thoughtful succession planning, we have talented leaders at the ready to step into these important positions and continue to build on the foundation that is in place. The future is exciting with these leaders at the helm, and we look forward to their contributions."

Ahern, Vice President – Customer Experience, informed the company of his plans to retire at the end of April.

"Tim has been a key leader at American Airlines for almost 40 years, and has helped our team succeed through incredible changes and challenges," said Isom. "He is known as a mentor to many, and his big heart, laughterand care for colleagues will truly be missed."

Ahern began his career in 1978 as a Reservations Sales Agent in American's Los Angeles Reservations Office, eventually leading teams in Reservations, Flight, Service, Safety and Airport Services. He also served as Vice President – New York



and International, where he oversaw American's New York, Europe and Pacific operations, and American's strategic initiatives in the New York area.

Pope, Vice President – Charlotte Hub Operations (CLT), also informed the company of her intent to retire in early June.

"Terri has built our CLT hub into one of our largest and top-performing operations," said Isom. "You would never know it is one of the nation's busiest airports by the personal care Terri gives to everyone at CLT. She excels at creating a supportive atmosphere for her team to deliver outstanding performance, and her leadership style is one I will always seek to emulate."

Pope has more than four decades of experience in airlines, beginning her career in 1976. She served in a variety of roles at US Airways including Premium Services in Pittsburgh and Boston, and airport operations at Boston Logan International Airport, New York's La Guardia Airport, West Palm Beach Airport and Washington's Reagan National Airport.

American Airlines Group is the holding company for American Airlines. American provides one of the largest cargo networks in the world with cargo terminals and interline connections across the globe.

American Airlines and American Eagle offer an average of nearly 6,700 flights per day to nearly 350 destinations in more than 50 countries.



**TECHNOLOGY** 

# Nanotechnology eyed to further extractrainwater through cloud seeding

**ABU DHABI:** A professor who won an award for discovering a breakthrough in extracting rains through cloud seeding special techniques is looking at further enhancing the system through the application of engineered nanotechnology in the process.

This project, which involves coating a pure salt crystal with a thin coating of titanium dioxide in order to enhance the condensation process, will have a profound impact in the Middle East, Africa and other parts of the world where water is scarce.

Dr. Linda Zou, Professor of Chemical and Environmental Engineering at the Masdar Institute of Science and Technology and one of the three awardees of the first cycle of the UAE Research Program for Rain Enhancement Science, is investigating the possibility of increasing rainfall through engineering unique nano-structured properties of cloud seeding materials using state-of-the-art electron microscopy.

She has since filed a provisional patent with the US Patent and Trademark Office, USPTO, for her scientific project.

Dr. Zou works closely with Dr. Mustapha Jouiad, Principal Research Scientist and Microscopy Facility Manager, Masdar Institute and Dr. Mladjen Curic, Professor at the Institute of Metrology at the University of Belgrade.

Together, they are investigating the possibility of increasing rainfall through engineering unique nano-structured properties of cloud seeding materials. The ground-breaking project has already led to innovative sub-micron hygroscopic cloud seeding materials already being designed and fabricated, according to the Emirates News Agency WAM.

"Nanotechnology opens up the possibility of engineering unique cloud seeding particles to make the process of water condensation and rain precipitation more efficient over arid regions and beyond. I am grateful for the support given by the UAE Research Program for Rain Enhancement Science, which is helping to advance new research in the field and facilitating new and highly productive international scientific networks," said Dr. Zou.

The UAE Research Program for Rain Enhancement Science offers a grant



of US\$5 million over a three-year period, to be shared by up to five winning research proposals, selected by a two-stage merit review decision process.

Launched by the Ministry of Presidential Affairs of the UAE and overseen by the National Centre of Meteorology and Seismology, the program is an ambitious initiative of global scope designed to stimulate rain enhancement research and a ccelerate water security via international cooperation in scientific research and development.

The program has entered its third cycle this year, receiving 201 pre-proposals from 68 countries on five continents, drawing the participation of 710 researchers, affiliated to 316 institutions.

## 700 more taxis get interactive screens and Wi-Fi



**DUBAI, UAE:** Interactive screens and free Wi-Fi were installed in some 700 more taxis plying the Dubai Marina, JBR and Down Town routes as part of the government's ongoing drive to turn

Dubai into a more tech-friendly city.

The Dubai Taxi Corporation, DTC, at the Roads and Transport Authority (RTA), said this raises the total number of cabs fitted with interactive screens to 1,314, the equivalent of 26 percent of DTC's total fleet comprising more than 5,000 vehicles.

Dr. Yousef Mohammed Al Ali, CEO of the RTA's Dubai Taxi Corporation, said, "Adding 700 taxicabs under Phase II of the installation of interactive screens and smart and free Wi-Fi service project will further promote the transport and innovation technology in the emirate of Dubai."

"These smart touch screens enable users to browse promotional ads of RTA services, and inform visitors and tourists about key tourist destinations in the emirate of Dubai, not to mention the newly introduced service that enables users to sort out their future journeys in advance," he added.

## NORDIC AIR CARGO SYMPOSIUM 2017

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## **11th World Cargo Symposium 2017** 14-15 March, Abu Dhabi





Etihad Airways staff and executives with David Kerr, center, the airline's senior vice president for cargo.



From left: TIACA Chairman Sanjiv Edward, NAFL President Nadia Abdul Aziz and David Brennan, assistant director, Cargo Safety and Standards IATA.



TIACA Secretary General Vladimir Zubkov, center, with some cargo executives.









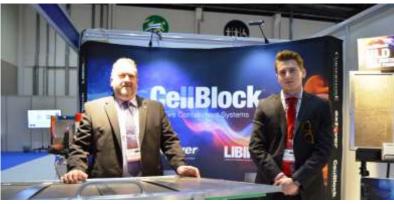






















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DAFZA, PO: 54826, Dubai, UAE

Ph: 971 4 6091908 Fax: 971 4 6091913

**Qatar Airways** PO-32433, Dubai, UAE Ph: 971 4 2823410

www.qatarairways.com

Coyne Airways PO-54273 DÁFZA Freight Gate 5 Building Office 125-131, Dubai, UAE

Ph: 971 4 2993922 gulf@coyneair.com



**Sea Freight** & Shipping Services

**Bridgeway Transport And Logistics** 

PO-35397, Doha,

Ph: 974 4 4416303 Fax: 974 4 4416308

**Titans Shipping** 

Po-52020, Dubai, UAE Ph: 971 4 2828080 Fax:971 4 2828070

**Universal Logistics** 

PO: 54518. DAFZA. Dubai. UAE Ph: 971 4 2998511 Fax-971 4 2998522 ops@universallogistics .ae

**Jawal Transportation** Logistics

PO-81165, Cargo Village, Dubai, UAE Ph: 971 4 2820288 Fax: 971 4 2820289

**Khattab Shipping** 

PO-293077, Cargo Village, Dubai, UAE Ph: 971 4 2825646 Fax: 971 4 2825647

Raisco International PO-293020, Cargo

Village, Dubai, UAE Ph: 971 4 2832340 Fax: 971 4 2832341 shahbaz@raisco.ae

**Consolidated Shipping** Services PO-27802,

Dubai, UAE Ph: 971 4 2826176 Fax-971 4 2826179 www.cssgroupsite.com

Asian Dellker Logistics PO-124153. Dubai.

UAF

Ph: 971 4 2293188 Fax-971 4 2293668 dbsl10@delker.com www.delker.com

ATS Shipping

PO-28533, Dubai, UAE Ph: 971 4 3781000 Fax: 971 4 3781001 www.atsworld.com

**Latitude Transport** 

PO-35316, Dubai, UAE Ph: 971 4 2820111 Fax: 971 4 2820063 www.latitudetransport.com

**Compass Ocean** Logistics

PO-262985. Dubai, UAE Ph: 971 4 8144100 Fax: 971 4 8144101 www.compasslog.com



Road **Trans**portation

**Mohebi Logistics** 

PO-8005 JAFZA South Zone 5 Dubai-U.A.E. Tel: +9714 886 5000



**Aircraft** charter leasing cargo

Private Jet Charter DAFZA, PO-54366 Dubai. UAE. Ph: 971 4 2997878 Fax-981 4 2996869 sales@privatejetcharte





Al Futtaim Logistics PO-61450, Dubai, UAE Ph: 971 4 8818288 Fax: 971 4 8819157 www.aflogistics.com

Jenae Logistics

Cargo Village, Dubai, UAE

Toll Free: 80053623 Ph: 971 4 282 4811 jasleem@jenaelogistics

.com

**Airglow Aviation** 

PO-2531, Dubai,UAE Ph: 971 4 2522169 Fax: 971 4 2517029 www.airglowaviation.

com

**Euro Express** FZCO PO-293020, Dubai, UAE

Ph: 971 4 2990445 Fax: 971 4 2990446 www.euroexpressfzco .com

**Emirates Logistics** 

PO-121167, Dubai,UAE Ph: 971 4 2993971 Fax: 971 4 3377277 www.emirateslogistic

**World Connect Freight** 

PO-31330, Dubai, UAE Ph: 971 4 2834240 Fax-971 4 2834241 www.worldconnectfr eight.com

#### Steder Logistics Services

PO-3273, Dubai, UAE Ph: 971 4 2821284 Fax: 971 42822426 www.stedergroup.com

## Middle East Freight Forwarding (Meffco)

PO-127472, Dubai, UAE

Ph: 971 4 2828391 Fax: 97 14 2828392 logistics@meffco.ae www.meffco.ae

#### Skyzone Cargo Services

PO-128749, Dubai, UAE Ph: 971 4 2834022 Fax-971 4 2834033 www.skyzonecargo.c om

#### **Aeroflot Cargo**

PO-7828, Dubai, UAE Ph: 971 4 2822663 Fax: 971 6 2822664 www.unitranscargo.ru

#### **SKA Group**

PO-50127, Dubai, UAE Ph: 971 4 8840800 Fax: 971 4 8840808

#### **Qantas Freight**

PO-111509, Dubai, UAE Ph: 971 4 2163746 www.qantasfreight.com



#### Cargo IT Solutions

## New Age Software & Solutions

PO-61243, Jabel Ali, Dubai, UAE Ph: 971 4 8815154 Fax-971 4 8816262 www.newageglobal.com



#### Logistics Services & Warehousing

Polar Star Logistics PO-20609, Dubai, UAE

Ph: 971 42834775 Fax-971 42834776 www.polarstar.ae Info@polarstar.ae

#### Stalker

PO-30280, Sharjah, UAE

Ph: 971 6 5351403 Fax: 971 6 5351404 ashok20@eim.ae

#### Logimart

Jumeirah Lake Towers PO-215201, Dubai, UAF

Ph: 971 44504712/13/14 Fax:971 4 5515009 www.logimart.com



#### Courier services

#### Skycom Express PO-233573, Jumeirah Lake Tower, Dubai, UAE

Customer Service No. 600532224 www.skycomex.com

#### Aramex

PO-3841, Airport Rd, Al Garhoud, Dubai, UAE

Ph: 971 4 281115 Fax: 971 4 2865050 www.aramex.com

#### **DHL Express**

PO-6252, Meydan Rd, Nad Al Shebal Dubai, UAE Ph: 971 8004004

Ph: 9/1 8004004 www.dhl.ae

#### Fedex

PO-9239, Dubai, UAE Ph.: 971 4 2995000 Fax: 971 4 2995365 www.fedex.com



#### Ground handling

#### **Jetex**

P.O. Box:54698,Dubai Tel:+971 4 268 9910 Fax: + 971 4 212 3999 fltops@jetex.aero

#### Hadid Int'l Services

P.O. BOX 54508, Dubai Tel:+ 971 4 299 7777 Fax: +971 4 299 7700 uae@hadid.aero

#### **DNATA**

P.O. BOX: 522, Dubai, UAE

Tel: 971 4 606 4000 Facsimile: 971 4 606

4040 www.dnata.com

## Sharjah Aviation Services (SAS)

P.O.BO:70888 SHARJAH INTERNATIONAL AIRPORT AREA TEL: +971 6 514 1111

FAX: +971 6 558 0361 info@sharjahaviation.com

## Quick **References**

#### **Courier Services**

Skycom Express	600532224
TNT Express	8004333
UPS	8004774
First Flight Courier	042627766
Aramex	600544000
DHL Express	8004004
Fedex Express	80033339

#### Cargo Services

Trade Well Cargo	065434827
Sat Albatros Sea Air Services	042997911
Otta Cargro	048813388
Sntta Cargo	065623616

#### **Logistics Services**

Kat World Wide Logistics	042826998
Ceva Logistics	048860399
Kuehne+Nagel	048141600
Agility Global Logistics	048131222
Gulf Agency Company	048818090
Barloworld Logistics	048819595
Panalpina World Transport	048701111
Stalker	065351403
DB Schenker Logistics	042149100
<b>Emirates Logistics</b>	042993971
Parco Logistics	048830588
Al Futtaim Logistics	048818288
Polar Star Logistics	042834775
Mateen Express	042140100
Business Way Freight	042834222





#### **Asia Cold Chain Show**

This International exhibition & conference on cold chain, cold logistics, temperature controlling, refrigeration, storage, distribution and cold supply chain will bring together buyers and decision-makers in the industry. More than 100 exhibitors are expected to showcase and highlight the latest in cold chain technology and innovations.

BITEC Bangna I Bangkok, Thailand

April 27-29, 2017

#### Air Cargo - 2017: Creating Cargo Connections

AirCargo brings together all actors in the air cargo supply chain in one location to discuss trends, challenges, opportunities and the future of the air cargo industry. Airlines, airport authorities, freight forwarders and expediting companies along with the vendors who support them are all in one place.

Renaissance Orlando at SeaWorld I Orlando, Florida

April 04-06 June, 2017





#### Air Cargo Europe 2017

This four-day transport logistics event is the International Exhibition for Logistics, Mobility, IT and Supply Chain Management and the world's biggest trade fair for freight transport by road, rail, water and in the air, in all its complexity. Air Cargo Europe, an exhibition of the global air freight industry, is integral to transport logistic.

Messe Munchen I Munich, Germany May 09-12, 2017

#### **Airport Show Dubai 2017**

Airport Show provides an ideal B2B platform for companies to present airport and aviation-related products and services. In 2016, the event gathered over 7,166 aviation professionals who networked, sourced their product requirements and created over US\$20 billion worth of regional business possibilities.

Renaissance Orlando at SeaWorld, Orlando, Florida

May 15-17, 2017

## West Africa Modern Airports Conference

An offshoot of a similar conference held in January in Kenya, the West Africa Modern Airports Conference is a major platform for industry stakeholders to accommodate approximately 5 million tourists annually in the region.

Senior decision-makers from government offices, civil aviation, airports and the private sector are expected to converge in this two-day event.

Kempinski Hotel I Accra, Ghana

June 20-21, 2017

## The 17th China International Transportation & Logistics Expo

This expo will bring together more than 400 leading players in the transport and logistics world and some 30,000 industry professionals. This is a platform for meetings, investments and financing opportunities as well as a forum for the latest in industry technologies.

Chengdu Century City New International Convention & Exhibition Center I Chengdu, China

June 28-30, 2017

#### **India Warehousing Show**

India Warehousing Show is a 3-day event held in July at the Pragati Maidan in New Delhi, India. This event showcases products like highlight of the business calendar for the entire supply chain industry in India, among others, in the logistics & transportation industry.

Pragati Maidan, New Delhi

India.

May 27-29, 2017

To view Careers in Aviation Industries visit: http://www.aircargoupdate.com/index.php/careers



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- . Delivery of 3 x Boeing 747-400F
- · AOC in Europe
- · Services from Far East to Europe and Africa

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2016

- · Launch of VIP Charter Department
- AOC in Moldova
- Purchase confirmation of Boeing 747-400F



exhibition and conference

May 9-12, 2017 Messe München

We are pleased to announce our participation of at Air Cargo Europe 2017 and would like to invite you to visit our stand at Hall Bt, Booth 357. We are glad to welcome and introduce you to one stop solution for your aircraft needs.

#### **CONTACT US**

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