

air cargo update

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The first and only PAN-Regional Magazine
Middle East - Africa - Asia and beyond



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EDITORIAL

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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

One of a kind

Science and engineering are gifts to humanity. They are not tied up to one country though the invention is associated to certain people and places.

They evolve. They innovate. They propagate. They spread. And they touch people's lives even those living in the remotest parts of the world.

Think about the electricity, potable water, mobile phones, cars, vaccines, TV, radio, planes, buses, telephones, rails, computers, the internet, air-conditioners, refrigerators, coffee machines, robots and so on. They are everywhere. Used by everyone.

And in the air freight industry, there's just one proven workhorse in the sky that can carry heavy payloads, Ukraine's Antonov AN-225 Mriya.

This giant aircraft originally designed by the former Soviet Union to carry aerospace materials and to be used for military purposes evolved as the air cargo industry's only aircraft capable of lifting super heavy and special cargoes. There's only one Antonov AN-225 Mriya in the world.

In this edition, we'll share with you Antonov's evolving story and its importance in today's fast-paced world in various industries that require its expertise in air lifting super heavy cargo like ships, planes, rails, trains, satellites, humanitarian goods in conflict zones, among many others.

We'll also share a story on the importance of integrating in the supply chain Artificial Intelligence to streamline processes while enhancing customer experience and yielding positive results for all stakeholders.

We'll also examine how the International Paris Air Show fared this year as the global aviation industry is rattled by software-related crashes causing the grounding of Boeing's Max-737 planes across the world by airlines, consequently, causing plane shortage in certain destinations, disrupting sales and heightening anew concerns on aviation safety.

On technology, we have Saudi Arabia's quest to create the 'Silicon Valley of the Desert' investing on futuristic technology on the transport sector, the Hyperloop One, which could potentially reduce travel time for passengers and cargo between Saudi states in minutes instead of hours.

These and more in this edition of **Air Cargo Update**.

Gemma Q. Casas
Editor-in-Chief

August 2019



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The LOUNGE

Family, running and traveling keep BUD Airport director going

Hungary's capital, Budapest, is getting busier with more Foreign Direct Investment (FDI) coming, creating business activities and tens of thousands of jobs despite mixed opinions about the country's political course.

Described as the fastest developing urban economy in Europe, Hungary is attracting more FDI mainly from Western Europe because of its corporate tax policy fixed at 9%, positive business environment and an educated and competitive workforce.

Air cargo and its supply chain in Hungary directly benefit from this positive development, keeping the industry busy and feeding its economy for more growth.

René Droese, Director Business Unit Property and Cargo, Budapest International Airport, knows this first hand. He's responsible for leasing properties at the airport and the cargo operations.

It's a big responsibility that Droese takes to the heart, constantly traveling to different cities, promoting their products and services. The result: nearly 60 percent growth in cargo volumes over the past three years while keeping a double-digit increase year-on-year.

Hungary's automotive industry delivers about 800,000 cars annually, mostly German-brands for export overseas. That as well as the country's growing pharmaceutical and tech industries keep BUD Airport Cargo busy all-year-round.

"We're quite very happy with our growth," shared Droese to **Air Cargo Update** in an interview in Munich on the sidelines of Air Cargo Europe 2019. BUD Airport is scheduled to open this year "Cargo City"—a sprawling expansion to its existing facilities as demand for more storage space and freight movement in Budapest increases fueled by its vibrant export-import economy.



René Droese

Director Business Unit Property and Cargo
Budapest International Airport

"Once it is built, additional cargo will come. The air cargo relevant industrial output is booming in our region, including export and import cargo for the automotive, electronics, pharmaceutical industries and the very important e-commerce market. Our plan is to attract more freighter and belly cargo routes to our airport," said Droese who is extremely excited about their project.

Droese began his career as a leasing agent more than 22 years ago, eventually moving on to airport acquisitions, before taking on his role at BUD Airport in 2007 upon the request of its new owners—the Canadian State 55.438 % (AviAlliance GmbH owned by PSP Investments), Government of Singapore 23.334 % and the Province of Québec (pension funds) 21.228 %.

Droese described the air cargo industry as somewhat of a puzzle where each piece in the supply chain must be included to make it whole.

"Air cargo is like a puzzle. It's a community of people—airlines, forwarders, shippers, among others—you have to bring them all together. This is an exciting industry. I am enjoying it every day," he said.

In his free time, Droese, a father of two boys, says he loves spending it with his family.

He also regularly runs, even joining marathons, when his schedule permits. "I love running. I run for as long as I can possibly reach. I also join marathons."

And he also enjoys traveling. He's been to so many countries and cities all across the world but admits, "I've never counted them." South America and South Africa though remain on his bucket list.

"I enjoy traveling. It exposes me to different cultures and nationalities. It's fascinating to see and learn how people think and behave differently," said Droese.



GLOBAL NEWS

Turkish Cargo and the homecoming story of a tired endangered griffon vulture

Dobrila is finally returned to Serbia after a long journey thanks to the farmers that found her and Turkish Cargo's good gesture.



ISTANBUL: Lost in the woods of Sanliurfa in Turkey, a tired 1.5-year-old rare griffon vulture that wondered in the sky for 1600 kilometers on a seasonal migration route that started in Serbia, found ally on farmers that took it to the Wildlife Rescue and Rehabilitation Center in Urfa.



The bird was cared for and medically diagnosed but was determined to be unable to fly on its own back to Serbia and Turkish Cargo has filled in to continue its journey first-class.

Known for its unmatched capabilities to carry animals under the most real-like conditions up in the sky, Turkish Cargo stepped in to successfully return the vulture identified as "Dobrila" back to Belgrade.

"The 1.5-year old rare griffon vulture

named Dobrila, the last chain of the ecological system and living in the Uvac canyon of Serbia only in Europe, became exhausted while flying towards the east on its seasonal migration route, landed in Sanliurfa. After having been found by the farmers in Sanliurfa, it was taken to the Wildlife Rescue and Rehabilitation Center in Urfa," Turkish Cargo said in a statement.

Turkish Cargo said Turkey's Ministry of Agriculture and Forestry established contact with Serbian authorities using the tag and tracking number on Dobrila's foot, when they noticed that the fowler couldn't fly anymore. The two countries decided to send Dobrila to the Biological Research Institute (Siniša Stanković) in Belgrade with Turkish Cargo sponsoring the trip as part of its mission to continue protecting animal rights.

The griffon vulture was eventually handed over to the Serbian officials during a ceremony attended by Tanju Bilgic, the Ambassador of the Republic of Turkey in Serbia, and Goran Trivan,

the Minister of Environmental Protection of Serbia.

"Today is a very special day for Dobrila, because after months of rehabilitation, it will fly for the first time. We thank Turkish Cargo for their support," said Responsible Biologist Irena Hribsek (Foundation for the Protection of Birds of Prey).

Turkish Cargo, acting according to its vision #MissionRescue and carrying out live animal shipments at the highest level, previously transported four lions from Ukraine, which were struggling with hunger and suffering, to their natural habitat in Johannesburg.

Having an extensive flight network reaching more than 300 destinations in 124 countries around the world, Turkish Cargo takes the CITES and IATA LAR (IATA Live Animals Regulations) regulations as the reference, and implements all documentation, caging, labelling and marking rules, prescribed under these regulations, strictly in admission, storage and transportation processes during live animal transportation service it provides with maximum care.

Cargolux Italia launches new service to Incheon



LUXEMBOURG: Cargolux Italia, a subsidiary of Cargolux Airlines, has launched a new network between Milan-Malpensa in Italy, and Incheon in South Korea, mainly carrying fashion items, machineries, luxury cars, pharmaceuticals, and perishables.

The new frequency, launched on July 16, 2019, includes two weekly connections between Milan and Incheon departing the Italian city on Tuesday and Sunday. The service, routed Malpensa-Incheon-Zhengzhou-Malpensa, will offer customers broader service offerings in the Far Eastern market.

Seoul is the 4th export destination out of Italy, behind New York, Shanghai, and Hong Kong and ahead of Tokyo which ranks 5th. Although Cargolux Italia does not serve Shanghai and Tokyo directly, they are linked via road feeder services from Zhengzhou and Osaka respectively. This direct connection provides an unmatched opportunity to link Italy's vibrant industrial heart with Korea's commercial gateway, home to the Incheon Free Economic Zone.

"We are delighted to have added Incheon to the Cargolux Italia service provision. The Korean destination was the last missing piece to complete our network with the top 5 Italian export destinations. We are confident that this addition will be highly beneficial to our customer-base and we look forward to developing strong partnerships in Korea," said Fabrizio Cortese, Chief Executive Officer Cargolux Italia.

Based in Milan-Malpensa, Italy, Cargolux Italia has been present on the Italian market for a decade and has grown to be the number one all-cargo carrier in the country and the largest cargo operator at Milan airport. The company operates a fleet of 4 Boeing 747 purpose-built freighters and operates to 11 destinations worldwide, including transpacific routes.

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GLOBAL NEWS

Smooth flight for 146 heifers from Houston to Bangkok via ABC

LONDON: Some 146 heifers traveled for more than 19 hours last month from Houston to Bangkok, successfully reaching their final destination in good shape thanks to AirBridgeCargo Airlines' (ABC) expertise in transporting live animals.

ABC said the 'special passengers' onboard were treated with utmost care to ensure their comfort while flying across continents for nearly a day.

The cargo carrier said the animals were grouped in 27 cow stalls, each securely stowed and lashed on the maindeck of Boeing 747-8F and flew more than 17,182 kilometers during 19 hours 45 minutes to its final destination in comfortable conditions.

During the whole flight, ABC flight crew made sure that the internal temperature has been maintained in accordance with the required guidelines, within the range from 6 °C to 10 °C. Additional support was provided by the groom who made sure that all the cows felt safe and secure.



"We treat animals not like special cargo, but rather as very sensitive passengers who require extra care and attention. No matter how experienced and qualified our specialists are, with every flight we deepen our knowledge and learn from our experience, as each transportation is unique. This helps us in improving our services and mitigating the risks," said Sergey Lazarev, General Director of AirBridgeCargo Airlines.

"A successful formula for the organization of such long-haul flight with live animals lies in the combination of expertise & experience

of our 'abc care' team' and operational capabilities of our unique Boeing 747-8 freighter. So far in 2019, we have achieved a four-fold increase in a number of charter flights with heifers and hope that will be able to contribute to this sector more in the months to come," he added.

For the first five months of 2019, ABC has safely delivered twice as many animals as it did in 2018. In 2019 the company has become a member of the Animal Trans-Portation Association which strives for the safe and humane handling & transport of all animals worldwide.

LATAM Cargo shores up business between Scandinavia & Latin America



SAO PAULO, BRAZIL: Latin America's biggest freight carrier, LATAM Cargo, continues to boost business between the region and Scandinavia through its Copenhagen route that cuts transit time by up to 48 hours.

In mid-June, LATAM added Denmark's capital as the newest destination to its growing network using a B767-300F aircraft. The initial estimate was to carry 20-25 tons on each weekly flight subject to increased frequencies if necessary.

Copenhagen is the seventh route it opened worldwide in the last 12 months

and the second European route exclusively used for cargo.

Studies showed the flight will increase connectivity between Scandinavia and different markets in Latin America with an outbound route that includes Copenhagen (Denmark), Viracopos (Brazil), Montevideo (Uruguay), Santiago (Chile), and Quito (Ecuador). The return will be via Miami (USA), Brussels (Belgium) and Copenhagen.

"As the cargo leader in Latin America, we have undertaken the responsibility of connecting the region with the world and vice versa. Proof of this are the more than

150 destinations currently offered by the LATAM Cargo Group. The size and strength of our network are the pillars that make us a strategic partner for our customers in providing the support needed to take their shipments to their final destinations in less time," said Gabriel Oliva, LATAM Cargo Senior Vice President for North America, Europe and Asia.

LATAM Cargo said Scandinavia's pharma companies, car-makers, and the region's oil and paper industries would benefit the most with spillover to other businesses importing and exporting in Latin America.

"With the new route LATAM Cargo is now connecting Scandinavia to Latin America with a direct link. This will provide Scandinavian shippers and freight forwarders with a smooth and efficient air freight operation directly to Latin America. Adding a direct link is not only important to the handling and shipping of pharmaceutical products, it is equally important to the food Ingredients industry and automotive parts industry which also requires stringent and efficient transportation," commented Kaspar Andreas Nissen, Air Cargo Specialist at Copenhagen Airports.

China says UAE 'will become a shining pearl along the Belt and Road'



His Highness Sheikh Mohamed bin Zayed Al Nahyan, Crown Prince of Abu Dhabi and Deputy Supreme Commander of the UAE Armed Forces, with Chinese President Xi Jinping, right, during his three-day state visit in July to the People's Republic of China. Image Credit: WAM

BEIJING: China touts the UAE "will become a shining pearl along the Belt and Road" – its multibillion global development initiative linking China to Asia, Europe, Africa, the Middle East and the Americas through infrastructure development and investments in at least 152 countries.

A senior Chinese official made the statement on July 21 as His Highness Sheikh Mohamed bin Zayed Al Nahyan, Crown Prince of Abu Dhabi and Deputy Supreme Commander of the UAE Armed Forces, started his state visit to China.

"Chinese President Xi Jinping and His Highness Sheikh Mohamed bin Zayed Al Nahyan, Crown Prince of Abu Dhabi and Deputy Supreme Commander of the UAE Armed Forces, will draw a new blueprint for China-UAE comprehensive strategic partnership," the Emirates News Agency, WAM, reported Chinese Foreign Minister Wang Yi as saying.

"I believe as our two countries

strive for substantive, steady and high-quality development of Belt and Road cooperation, the UAE will become a shining pearl along the Belt and Road," Yi added.

Sheikh Mohamed Bin Zayed last state visit to China was in 2015 while Chinese President Xi Jinping's last state visit to the UAE was in July 2018.

China is the UAE's second-largest trading partner, with almost US\$60 billion bilateral trade in 2017, which is expected to reach up to US\$70 billion by 2020.

The UAE was China's natural partner in the Initiative, said Yi, because of the UAE's "favourable location, rich energy and resource endowment, and peaceful and stable society, and as an economic, trade, financial and shipping hub in the Middle East and the Gulf region."

During President Xi Jinping's visit to the UAE last year, an intergovernmental Memorandum

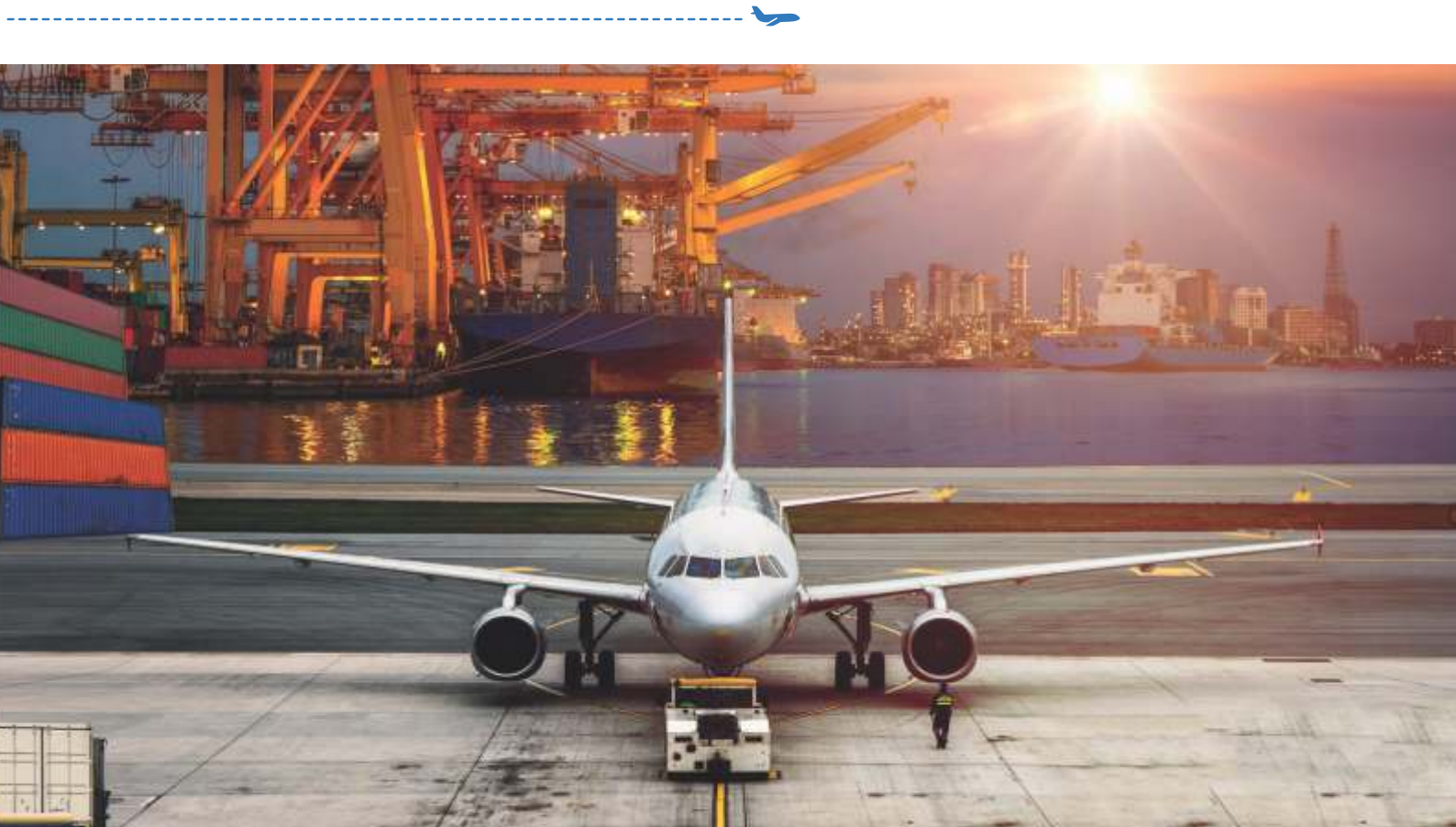
of Understanding was signed, taking the 'Belt and Road' cooperation to a new stage, the minister pointed out. Detailing the projects under the Initiative, the minister said that the two countries complemented each other's development.

"The China-UAE Industrial Capacity Cooperation Demonstration Zone is being built; the whole-industrial-chain cooperation in oil and gas is producing substantial results; the Khalifa Port Container Terminal Two in Abu Dhabi, a joint China-UAE project, is up and running and the Hassyan Clean Coal Power Plant is under construction," he explained.

Highlighting key areas of future cooperation, the minister said, "Looking ahead, it is important for the two sides to continue working on the existing projects and move towards a pattern of cooperation with energy as the centrepiece, and investment and infrastructure development as the two priority areas.

"It is also important for us to break new ground by expanding cooperation in artificial intelligence, 5G, aerospace, high-speed railway and other high-tech areas. We are convinced that with the personal commitment and strategic guidance of our two leaders, China-UAE relations will see greater development at a higher level and in broader areas."

China and the UAE have a shared interest in safeguarding peace and development in the Middle East and the Gulf region, the minister said.



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Cargogate marks 45th anniversary with conviction 'cargo has future'



Claudia Weidenbusch, Cargogate Managing Director, with Thomas Weyer, CFO and Director of Infrastructure at Munich Airport, kickoff the 45th anniversary celebration of the company cutting its birthday cake. Image Credit: Cargogate

MUNICH: In July 1974 or 45 years ago, Germany hosted the World Cup for the first time, an undertaking crowned with a win by the German team in Munich's Olympic Stadium.

At almost the same time and just a few kilometers away, another success story began at Munich Airport, the "Muc Air Services Gesellschaft für Luftverkehrsabfertigung mbH" was established as a 100% subsidiary of Flughafen München GmbH (FMG), the airport's operating company.

In 1999, Muc Air was reincorporated as Cargogate and from mere 14 employees 45 years ago, it now employs more than 200.

"We're looking forward to another 45 years because cargo has a future and the worldwide exchange of goods is an important factor in the globalization of markets," said Claudia Weidenbusch, managing director of Cargogate, as the company celebrated its nearly half a century in the industry.

As the largest airfreight handling company in Munich, Cargogate currently processes around one third of freight passing through Munich Airport. The handling orders could hardly be more diverse – from beverage bottling equipment exported from Bavaria to vegetables flown in from Asia, or from heavy machine components to delicate

microchips or the glass facade for a new Apple Store – or even the communications satellite recently shipped for the ESA space agency.

With 20,000 sqm storage facility, Cargogate offers customers an extensive range of extensive warehouse services, including, receiving, sorting, break-bulk and consolidation, handover of cargo, as well as customs clearance and hazardous goods formalities.

Cargogate is the only airfreight handler at Munich Airport with the infrastructure needed for proper handling of special cargo. Along with tailor-made infrastructure, spacious cooling rooms and GDP-certified storage of pharmaceutical products, Cargogate scores points for the short journeys covered by goods during handling and its efficient processes.

"The relentless rise of digital sales channels will also help to boost growth of analog airfreight services in the future," says Thomas Weyer, CFO and Director of Infrastructure at Munich Airport. "We're fortunate as an airport operating company to have a professional and efficient subsidiary like Cargogate that ensures, with its outstanding competence and strong customer focus, that everything keeps moving at Munich Airport."

Civil Aviation Academy of Kazakhstan opts for ALSIM ALX simulator



LE LOROUX BOTTEREAU, FRANCE: The Civil Aviation Academy of Kazakhstan recently purchased an ALSIM ALX simulator as part of its continuing program to keep up with technology in training future pilots.

Pilot shortage in both passenger and cargo planes is a common concern among many airlines across the world and Kazakhstan's aviation program is a relief to the industry.

The maker of ALSIM ALX FSTD said the device provides up to 4 classes of aircraft—from single engine piston, twin engine piston, twin turbine up to medium category twin jets (generic B737/A320). The device is designed and approved for ATPL, CPL/MCC and JOC in compliance with all current regulatory standards.

ALSIM, which has more than 300 flight simulator devices installed and certified in 48 countries, said ALX offers advanced technology simulation equipment tailored to the client's specific training requirements. It also has a proven track record for cost-effectiveness and helps save numerous aircraft hours. Formed in 1995, the Civil Aviation Academy of Kazakhstan is considered the leading civilian aviation school in the Republic of Kazakhstan and Central Asia.



GLOBAL NEWS

Lufthansa Cargo now flies pharma with CSafe RAP



FRANKFURT: Lufthansa Cargo announced it now flies pharmaceuticals with CSafe RAP, a proprietary temperature-controlled container solutions created by CSafe Global, on its extensive network of airlines, serving over 300 destinations in more than 100 countries worldwide.

By utilizing CSafe's proprietary ThermoCor VIP insulation together with an innovative cooling and heating system, the CSafe RAP precisely maintains a defined payload temperature set-point throughout product transport, even in the most extreme ambient conditions (-30°C to +54°C). This is the broadest operating range in the industry.

CSafe Global, the innovation leader in active temperature-controlled container solutions for the transport of life-enhancing pharmaceuticals, said Lufthansa Cargo is the latest airline to qualify and approve the CSafe RAP for flight.

"We're excited to add Lufthansa Cargo to our expansive network of airline partners approved to fly the CSafe RAP. We are honored to deepen our relationship with Lufthansa Cargo and strengthen our promise to protect what matters most to pharmaceutical customers so that patients can receive what matters most to them," said Jeff Pepperworth, Chief Executive Officer for CSafe Global.

Thorsten Braun, Lufthansa Cargo



Senior Director of Industry Development & Product Management noted: "To me, it represents a typical win-win situation. With the addition of the CSafe RAP, we are further expanding our portfolio of active cool containers, which is second to none, while intensifying our existing relationship with CSafe. In combination with our extensive global network, we are offering one of the leading cool containers to our customers."

CSafe Global manufactures and offers a full range of active and passive cold-chain packaging solutions to address the needs of pharmaceutical and life science companies around the world.

Lufthansa Cargo, which is focused on the airport-to-airport business, serves around 300 destinations in more than 100 countries with its own fleet of freighters as well as access to belly capacities of passenger aircraft operated by Lufthansa German Airlines, Austrian Airlines, Brussels Airlines, Eurowings and SunExpress, and an extensive road feeder service network. The bulk its cargo business is routed through Frankfurt Airport.

Aloia Aerospace and B&H Worldwide ink 3-year deal

London Heathrow: Specialist aerospace spare parts outsourcing company Aloia Aerospace has awarded a contract to B&H Worldwide to manage its warehousing, handling and inventory.

The Sao Paulo, Brazil headquartered Aloia Aerospace with main operations in Miami, will use B&H Worldwide's London Heathrow logistics facility and its integrated IT system FirstTrac to manage their inventory.

Through establishing a European parts facility, Aloia Aerospace will be able to further extend its operations in the UK and Europe. The parts which B&H Worldwide will manage through its Heathrow Control Tower will include tooling, electronic parts and paint for a variety of aircraft types destined for national and regional carriers.

Aloia Aerospace will dispatch parts to customers through FirstTrac, the parts will be processed at B&H Worldwide at London Heathrow and will be dispatched to the destination with notifications being sent back to Aloia Aerospace throughout the shipping process.

"Aloia was clear that the visibility and advanced features provided by B&H Worldwide's FirstTrac platform was a key component of their decision to choose B&H Worldwide," said Group Sales Director, Seth Profit. "Our speed of response and 24/7 manned capabilities will also enable them to serve their customers across these new regions as they develop their services."

DHL study: 60% of companies yet to implement e-commerce strategy despite recognizing its importance



OHIO: DHL Supply Chain, the Americas leader in contract logistics and part of Deutsche Post DHL Group, says about 60 percent of companies admitted they have yet to implement e-commerce strategy despite recognizing its importance.

In its latest research report titled "The e-commerce supply chain: Overcoming growing pains" on the evolution of e-commerce supply chains, DHL said the respondents said there are several barriers to implement their e-commerce strategies, which include changing customer expectations, pace of delivery, and limitations in existing infrastructure.

The new insights are from a global survey of nearly 900 decision-makers responsible for logistics or supply chain management and e-commerce. Respondents hailed from all the major industry sectors, including retail, consumer goods, life sciences, high tech, auto and engineering and manufacturing.

The report reveals that 70% of B2C companies and 60% of B2B companies are still working towards the full implementation of their strategy, even though 70% of respondents rate e-commerce as 'Very Important' or 'Extremely Important' to their business in terms of volume and revenue.

"E-commerce is a primary driver of business growth. Companies know they can no longer afford to operate without a comprehensive omni-channel strategy that develops a deep personal relationship with each individual customer, but many are at a loss for how to continue to keep up with customer demands," said Jim Gehr, President, Retail, DHL Supply Chain, North America.

"Both B2B (61%) and B2C (65%) respondents rated e-commerce as having the biggest effect on customer retention and satisfaction, and the number is only expected to increase in the next 3-5 years. That is why it is mission critical for supply chains to provide greater predictability, flexibility and speed to continuously maximize service levels."

The evolving demands of e-commerce also mean that in the next 3-5 years over 50% of businesses will be making material changes to their distribution strategy. To deal with this pressure many companies are opting to partner with a third-party logistics company (3PLs) to augment their in-house resources and capabilities, enabling them to quickly and effectively scale to capitalize on e-commerce opportunities.



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GLOBAL NEWS

FedEx Express Cessna cargo plane named in honor of St. Jude Children's Research Hospital patient



Reid with the FedEx cargo plane named after him.

MEMPHIS, Tenn: FedEx Express has named its Cessna Caravan cargo plane in honor of a St. Jude Children's Research Hospital patient, Reid, the son of a FedEx pilot.

FedEx Express, a subsidiary of FedEx Corp. (NYSE: FDX), and the world's largest express transportation company, joined the St. Jude Children's Research Hospital in welcoming the World Golf Championships-FedEx St. Jude Invitational ceremony where the plane was also dedicated to Reid, the son of Barry Russell, who was diagnosed with cancer at age 7 in 2015.

His family turned to St. Jude Children's Research Hospital, where treatment included chemotherapy and proton therapy. Reid is currently in remission and visits St. Jude for regular check-ups.

The cargo plane, which also features the iconic St. Jude logo, will be on display throughout the tournament. Reid's name will travel throughout the Pacific coast of Canada as a permanent fixture on the FedEx Cessna Caravan at the conclusion of the FedEx St. Jude Invitational.

"The Purple Eagle program is a special way for FedEx to honor a St. Jude patient, who is the child or grandchild of a FedEx team member, and brings attention to the life-saving work being done by the hospital every day," said Bill West, Jr., vice president of Supplemental Air Operations for FedEx Express. "Reid's determination and positive outlook truly embody the spirit behind this recognition, and we're honored to add his name to our Purple Eagle fleet."

"Reid was so excited when he learned FedEx was naming the Purple Eagle plane after him," said Barry Russell. "We are so thankful for the care he has received at St. Jude. It's truly a place where miracles happen."

Treatments invented at St. Jude have helped push the overall childhood cancer survival rate from 20 percent to more than 80 percent since it opened more than 50 years ago. St. Jude won't stop until no child dies from cancer.

"FedEx has been an extraordinary partner to St. Jude Children's Research Hospital for decades and events like this give us another opportunity to partner together to honor true heroes like Reid and his family," said Richard Shadyac Jr., President and CEO of ALSAC, the fundraising and awareness organization for St. Jude Children's Research Hospital. "Sharing stories like Reid's is critical for creating awareness to support raising the funds needed to enable St. Jude to pursue groundbreaking research, share discoveries globally and continue working toward finding cures for some of the world's sickest children."

The tournament has raised more than \$43 million for St. Jude since the world-renowned institution became the event's sole beneficiary in 1970. Because of dedicated supporters like FedEx, families never receive a bill for treatment, travel, housing or food—because St. Jude believes that all a family should worry about is helping their child live.

Air Canada Cargo eyes domestic expansion

TORONTO: Air Canada Cargo says it is expanding its sales roster in Canada to further develop its domestic market and offer specialized services to its customers.

Canada's top cargo carrier is collaborating with Exp-Air Cargo, a Canadian-based company specializing in airline cargo sales and management, to deepen its sales presence in the country.

"Our partnership with Exp-Air Cargo, a true expert in the Canadian air cargo business, will first and foremost benefit



our customers, who will have access to an expanded, exceptional sales team and continue to experience world-class customer and logistics services they expect from Air Canada Cargo," said Vito Cerone, Managing Director, Sales

and Commercial Strategy for Air Canada Cargo, in a statement.

"This collaboration will also help us further commercialize our domestic network and develop sales in our secondary markets."

Colombia's leading passenger and cargo airline pushes for major reforms

BOGOTA, COLOMBIA: Avianca, the leading passenger and cargo airline in Colombia, under Avianca Holdings says it will rapidly advance the executive of its reform program to strengthen the company's finances and competitiveness.

In a recent meeting, the new management says the company's "Avianca 2021" strategy will be rapidly executed in their operations.

One of the fundamental pillars of Avianca 2021 is operational efficiency. Since November of last year, the company has begun a systematic effort to improve punctuality, achieving measurable improvement. It will continue to make changes in itineraries, routes, schedules and frequencies and, working with the Colombian aeronautical authority, simplify its operation and provide a better service to customers.

"Supported by Kingsland, which



since May 24 assumed control of the company, and with the know-how of United, strategic partner of Avianca, we will continue to make decisions that recover and strengthen the confidence of our clients and investors," said Roberto Kriete, Chairman of the Board of Directors of Avianca Holdings.

Avianca Holdings Chief Financial Officer Adrian Neuhauser said their main goal is to achieve sustainable and competitive growth, doubling current operating margins while maintaining disciplined capital investments, generating consistent cash flow that would achieve conservative leverage levels by 2021.

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DP World floats \$1 billion Sukuk and \$300 million conventional bond at Nasdaq Dubai

DUBAI: DP World, the largest UAE debt issuer by value in the Middle East's international exchange, recently listed US\$1 billion Sukuk and US\$300 million conventional bond, thus, rising its cumulative bond issuance to \$8.09 billion.



Nasdaq Dubai welcomed DP World's move stressing that the \$300 million conventional bond was a tap issuance on a \$1 billion bond that DP World issued in September 2018, the Emirates State News Agency WAM reported.

DP World operates a geographically diverse network of trade enabling businesses including ports and terminals, industrial parks, logistics and economic zones,

maritime services and marinas.

DP World's latest \$1 billion Sukuk underlines Dubai's role as one of the largest global centers for Sukuk listings by value currently totaling \$62.35 billion.

In July, DP World PLC announced it wholly acquired Topaz Energy and Marine Limited from Renaissance Services SAOG and Standard Chartered Private Equity, Affirma Capital, for an enterprise value of US\$1,079 million.

Topaz is a leading international critical logistics and solutions provider to the global energy industry. The company operates a modern, versatile fleet of 117 vessels, predominantly in the Caspian Sea, MENA, and West Africa regions.

The Caspian Sea is the largest inland body of water in the world, and one of the most strategic oil basins. Long-term contracts and high

barriers to entry characterise the basin, which holds approximately 6 percent of global oil reserves.

"We are pleased to announce the acquisition of Topaz, which further strengthens DP World's position as a world-leading operator in maritime logistics services. In recent years, we have been investing selectively in the marine logistics sector in companies with high revenue visibility, consistent track record and strong customer relationships," said Sultan Ahmed bin Sulayem, DP World Group Chairman and CEO.

"This latest acquisition complements the operations of our P&O Maritime Services, POMS, business, which maintains over 300 vessels globally," he noted, adding, "Much like DP World, Topaz has evolved its business, offering customers a range of logistics solutions and helping the Company outperform the industry."

500Tn breakbulk cargo shipped in record time from Belgium to Brazil with Pangea members' collaboration

LONDON: Pangea members Trans.AI Logistics in Germany and Globex Logistics in Brazil successfully teamed up in transporting a 500Tn genset from Antwerp, Belgium to the port of Vitoria in Brazil in record time.

The German logistics firm was contacted by a major genset/energy manufacturer to find a shipping solution for their cargo after their current multinational forwarder had withdrawn and abandoned the operation, shared Pangea, an international logistics network with 180 members operating from 400 bases in 95 countries, collectively handling over 1.5 million bookings per annum

The shipment consisted of 6 power panels and 6 control panels for a massive server station, measuring more than 1000 cbm.



Under extreme pressure, Trans.AI and Globex Logistics organized the shipping plan within 3 hours and managed to load the containers onto the vessel even one day before the desired departure date, remarkable as it was a short week in Germany due to a local holiday, Pangea said.

After 15 days of transit time, the panels arrived in Brazil to the complete satisfaction of the customer.



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UPS Indianapolis 'Super Hub' now operating at full capacity



INDIANAPOLIS: UPS Indianapolis 'Super Hub' is now operating at full capacity and is expected to generate an additional 575 new full-and part-time well-paying jobs by 2023.

Known as the Crossroads of America, Indiana's roads connect the state to 82 million people within a 500-mile radius of the state's borders, noted UPS which employs more than 9,800 people across Indiana in package delivery operations, air operations, ground freight, healthcare logistics and contract logistics. Indiana's international transportation network includes 10 major airports and three maritime ports, which are each Foreign Trade Zones.

UPS (NYSE:UPS) officially opened in June its new 893,000 square foot Plainfield, Indiana package sortation and distribution center which was initially used in 2017 as processing center during the busy holiday season.

"Our business is growing in Indiana and the surrounding states. The new regional super hub in Plainfield sorts packages faster and more accurately by bringing together highly-automated operations, advanced technology, and dedicated employees. Our customers can have confidence that they will continue to receive the reliability and performance that they have come to expect from UPS," said Joe Boyle, president of UPS's Ohio Valley District which includes Indiana, Kentucky and southern Ohio. "We appreciate the state and local community support that enables us to offer good-paying jobs that serve Indiana businesses and consumers."

Home to growing biotechnology, life sciences and health care sectors,

Indianapolis area businesses benefit from enhanced delivery speed, accuracy and service reliability from the new regional super hub's data-driven package scanning and sortation equipment.

Healthcare and life science logistics are strategic growth imperatives for UPS. As demands grow for more patient control and convenience, it will be increasingly important for care providers and logisticians to have supply chains that deliver critical pharmaceuticals, devices and supplies to medical facilities and patients when and where they need them.

The advanced operations technology integrated into the new regional super hub also helps power the UPS Ground on Saturday delivery and pickup services that included the Indianapolis area as an early market for its launch and rollout in 2017. Additionally, Indiana was one of UPS's first Midwest locations for the expansion of natural gas fueling for its tractor trailers, which began in 2013.

"Super hubs" like the new Indianapolis area regional hub have a significantly higher package processing capacity than most other package operations facilities, increasing the speed and flexibility of packages moving through UPS's global smart logistics network, UPS said.

Similar facilities have been opening in Atlanta, Ga.; Dallas/Ft. Worth, Texas; Phoenix, Ariz.; and Salt Lake City, Utah as part of a multi-year strategic capital investment plan that also includes acquisition of new aircraft and ground fleet vehicles. This year, the company is adding more than 350,000 pieces per hour of additional sortation capacity in the United States before the 2019 holiday season.

German startup raises \$70 million more from major investors



BERLIN: sennder, a Berlin-based logistics startup, has raised its capitalization this year to about €100 million (\$112 million) after successfully securing from major investors an additional €62.4 million (\$70 million) in its Series C round of financing.

Lakestar, venture capital firms Accel, Holtzbrinck Ventures, Project A and Swedish automaker Scania made the additional investment to the firm founded in 2015 as a digital road freight forwarding platform in Europe.

sennder which connect shippers with carriers through its innovative software now drive for Europe's largest e-commerce companies, connecting over 7,500 vehicles across the continent.

"The investments by venture capital firms Lakestar and Accel show that we have identified a massive challenge and its solution that will play a vital role for the future of the European logistics markets," said Nicolaus Schefenacker, co-founder of sennder.

The freight and logistics industry continues to transform and embrace tech advancements ushering possibilities for startups that offer digitization and innovations.



Antonov Ukraine's Legacy

By Gemma Q. Casas

Powered by six turbofan engines and wings spanning 88.4 meters long, the mammoth AN-225 Mriya is 9 meters longer than the world's largest passenger aircraft, the Airbus A380 superjumbo.

Tens of thousands of planes fly over the skies every hour but there is truly just one that dominates the airspace when it comes to size, capacity and power, the Antonov AN-225 Mriya, the world's biggest and heaviest aircraft.

Powered by six turbofan engines and wings spanning 88.4 meters long, the mammoth AN-225 Mriya is 9 meters longer than the world's largest passenger aircraft, the Airbus A380 superjumbo.

Capable of carrying as much as 250 tons, it had accumulated 242 world records over the past 30 years in hauling super heavy or breakbulk cargo worldwide that includes ships, trains, small planes and helicopters, satellites, rails, super heavy generators, aerospace materials, and so on.

It's a unique engineering marvel that remains unmatched since it first flew on December 21, 1988. There is only one Antonov AN-225 in the world with the completion of its twin put on hold in 1994 or three years after the collapse of the Soviet regime.

In 2016, China tried to take over where the Soviets had left off on AN-225 but the project failed because the 70 percent completed giant plane couldn't be transported to the country. AN-225 is scheduled to remain in service until at least 2033, according to experts.

Ukraine's pride

Ukraine, a former USSR state which is marking its 28th year of independence on August 24 from the Soviet communist regime after it collapsed in 1991, holds the pride to Antonov AN-225 Mriya's (Ukrainian for 'Dream') creation.

Conceived and built in the 1980s during the Cold War era, AN-225 was



originally designed to carry the Buran Spacecraft, Russia's answer to America's Space Shuttle, from the assembly line to the sprawling deserts of Kazakhstan at Baikonur Cosmodrome where Yuri Gagarin launched his pioneering space voyage in 1961.

AN-225 successfully completed its mission and there were plans to build three more of its kind to support Russia's space exploration projects but the Soviet Union collapsed in 1991, leaving Ukraine and the other former USSR states on their own.



COVER STORY



Ukraine, which today remains embroiled in bitter political and military conflicts with Russia, founded Antonov Airlines, a wholly government-owned cargo carrier specializing on super heavy cargoes.

"Antonov Airlines is a division of what was called the Antonov Design Bureau, one of a number of design bureaus within the former Soviet Union. They developed more than a hundred different types of airplanes since 1947 when they first set out and the airline was formed in 1989 before the collapse of the Soviet Union," Graham Witton, Managing Director of Antonov Airlines, told **Air Cargo Update** in an interview in Munich, Germany where Antonov Airlines was among the major exhibitors at the four-day Air Cargo Europe 2019.

An aviation executive who began his career in 1997, Witton who has been promoting Antonov planes for commercial cargo since 2000 was appointed in 2016 to oversee the company's sales & operations.

"There was clearly a market identified in the commercial sector for Antonov Airlines," said Witton who noted that the sales and financial aspects of the company are handled in its UK office whilst maintaining a separate satellite office in the United States.

Soaring Charter Sales

The demand for Antonov AN-225 Mriya's services is at an all-time high and so are with the company's other planes that includes a fleet of seven AN-124-100 with capacity to carry up to 150 tons, the 60-ton payload AN-22,

**Graham Witton**

as well as smaller AN-74 and AN-26 aircraft.

Witton said business is good at Antonov particularly in 2018 with the company posting nearly 70 percent in growth identifying their key markets as Europe and the United States and some in the Middle East.

In a separate interview, Andriy Blagovisniy, Antonov Airlines Commercial Director, echoed the same to **Air Cargo Update**, saying, "Business is growing. We increased our sales team. We now keep 66.7 percent of the whole market and there is prospect for more growth."

Blagovisniy said the race among



countries in the aerospace industry and the United States' resolve to increase its dominance in the outerspace is fueling growth for super heavy cargo which Antonov dominates.

"We work in different industries oil and gas, energy, industrial, maritime, and the growing aerospace sector," said Blagovisniy who studied aircraft engineering and international relations in Ukraine. "We fly everything. We can fly even trains and ships. In the aerospace industry, we transport satellites from production facilities to launch points. The US and Europe are our main markets."

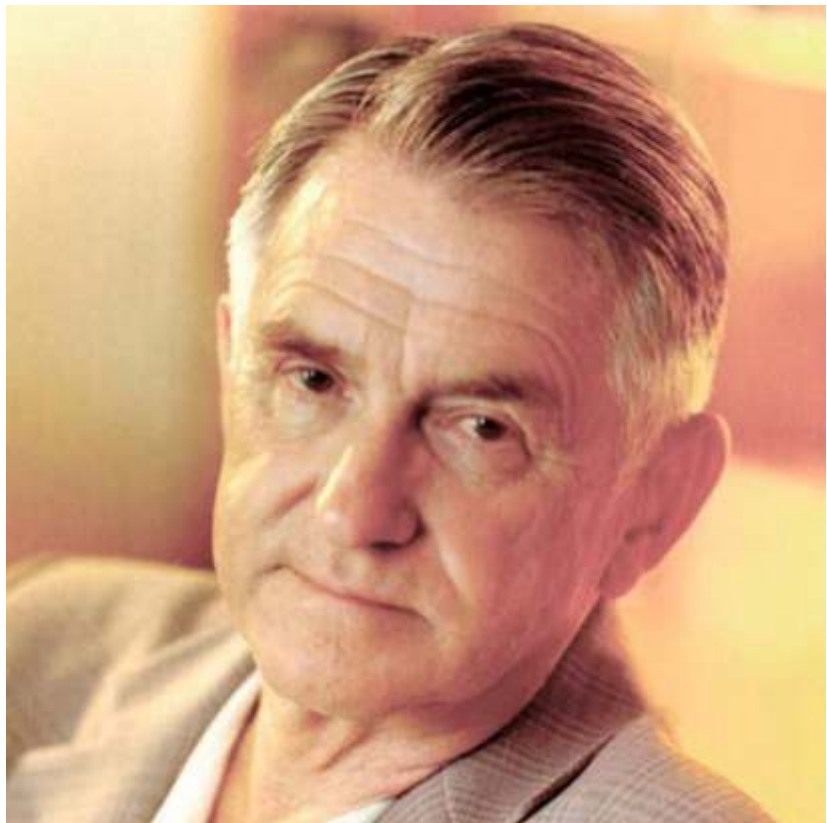
The two said Antonov Airlines continue to tap innovative ideas to keep up with the changing times. It recently developed two new plane models which the global aviation industry could potentially benefit from.

"We want people to be aware that here we are, a Ukrainian carrier, not perceived as a sensitive nation to deal with. We're very flexible to the customers' needs. A friendly team that can be as personal and flexible as a customer wants," said Witton.

And while Antonov AN-225 Mriya's production line had closed a long time ago, technology continues to be harnessed and introduced to the world's only super cargo carrier to ease its load of providing lift to the heaviest cargo up for delivery on all corners of the planet.

Oleg Antonov:

The man behind the Antonov planes



Oleg Antonov, a prominent aircraft designer, was the man behind the legendary Antonov planes. He was credited for establishing the Antonov Design Bureau in Kiev, Ukraine, now known as Antonov Airlines, in honor of his legacy.

A man of many talents, Antonov passed away on April 4, 1984 at age 78. His death came just a month after he received the gold

Tupolev Medal, the highest award in Soviet aerospace construction.

Ukraine officially recognized Antonov as a Doctor of Science, Academician of the Academy of Science of the Ukrainian SSR (1968), Hero of Socialist Labor (1966). Prior, he was elected as a member of the Supreme Soviet of the USSR of the 5th, 6th & 7th convocations.

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During his lifetime, Antonov had been decorated with three Orders of Lenin, the Order of the October Revolution, the Order of the Patriotic War 1st class, the Order of the Red Banner of Labor and the Medal 'Partisan of the Patriotic War' 1st class. On November 19, 1984, the OKB-153 was formerly renamed Antonov Design Bureau in his honor.

Source: www.antonov-airlines.com



Antonov Airlines turns 30



Antonov Airlines is celebrating its 30th anniversary in commercial cargo industry this year with much optimism.

Ukraine's cargo carrier which was founded in 1989 pioneering in transporting outsize and heavy cargo across the globe looks to a better future with technology and innovation on hand.

"As we look back on 30 years of Antonov Airlines, and the projects that we have completed, we see one of our strengths is the flexibility of our business to adapt to changing markets," said Graham Witton, Managing Director, Antonov Airlines.

"We are transporting more outsized cargo than ever before, anything from wind turbine components to city centre trams, and practically anything in between.

"We are also moving further into the aerospace industry as digital communications become more integral in the global economy."

On 11 August 2009, Antonov An-225 'Mriya', the world's largest aircraft, made history in the Guinness World Record when it transported a generator with a total payload of 187.6 tons from Frankfurt, Germany to Yerevan, Armenia, breaking the record for

heaviest single piece of air cargo ever transported.

"When the business first started, many items such as satellite containers, generators and transformers were too big or too heavy to fly on conventional freighters," said Paul Furlonger, Director, Antonov Airlines, who has been with Antonov Airlines since those first days in 1989.

"Antonov Airlines, as the first commercial operator of the An-124-100, had to quickly pioneer methods of loading using great creativity and flexibility.

"At the beginning, we were doing things for the first time, almost every time, and over the years, after many thousands of flights, our processes have become more refined & our expertise enhanced so that we now undertake ever more challenging & complex projects with absolute confidence," added Furlonger.



Paris

International Air Show 2019

Boeing, Brexit and sluggish business dominate Paris Air Show



Business was obviously a bit sluggish at the airshow. In 2017, the show had stronger than expected orders, underlining the robust health of the airline industry. It did business worth over USD150 billion in 2017 and this edition it was down to USD140 billion. Some attribute it to the general state of world economies and some point to the fact that Boeing Commercial is yet to recover from its debacle.



The world's numero uno airshow, Paris International Airshow at Le Bourget, has its ups and downs and this edition, 53rd, was marred by reduced business—nearly US\$10 billion less than the previous event.

Mainly because one of the key players in commercial aircraft business – Boeing – going through a rough patch following the back-to-back accidents involving the Boeing 737 MAX where some 346 people were killed in Indonesia and Ethiopia.

The accidents prompted airlines across the globe to ground their B-737 MAX planes indefinitely and Boeing to re-examine extensively the model and rectify the problems on its software program. The incidents also forced the aviation sector to put more emphasis on safety policies.

Besides the Boeing-factor, Brexit has also been looming large on the aerospace and defence sector in Europe. It remains to be seen how the European Union and the United Kingdom will wade through the rough currents.

Airbus dominates

Back to commercial airlines, Airbus ruled the roost, having easily edged out its archrival Boeing. The US

aerospace giant opened its account with freighter bookings.

GE Capital Aviation Services (GECAS) entered into an agreement with Boeing for purchase rights of 10 737-800 Boeing Converted Freighters (BCF). GECAS also signed for 15 extra purchase rights for the same aircraft. The Senior Vice President of GECAS Cargo, Richard Greener said "Our leasing customers are very pleased with the versatility and reliability of these freighters."

ASL and China Airlines also endorse BCF

Besides huge orders from Qatar Airways, Boeing had freighter wins from ASL Aviation Holdings DAC which signed for 20 737-800 BCF (with 10 firm orders and 10 purchase rights).

Since its launch, the 737-800 BCF has bagged 120 orders and commitments from eight customers worldwide.

China Airlines also placed orders for six 777 freighters in their bid to expand the freighter business and also modernize their fleet.

Sluggish business

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orders, underlining the robust health of the airline industry.

It did business worth over USD150 billion in 2017 and this edition it was down to USD140 billion. Some attribute it to the general state of world economies and some point to the fact that Boeing Commercial is yet to recover from its debacle.

What really propped Boeing was the huge order of the International Aviation Group for 200 airplanes (mix of 737 Max 8 and Max 10) and it is said that IAG had a 'sweet deal', valued at over USD24 billion.

Boeing Commercial Airplanes CEO Kevin McAllister said, "We are truly honored and humbled by the leadership at International Airlines Group for placing their trust and confidence in the 737 Max and ultimately, in the people of Boeing and our deep commitment to quality and safety above all else."

Regional aircraft players pitch in

The regional aircraft segment also did fairly good business with both ATR and Embraer having quite a few signing moments. At Paris, ATR, partially owned by Airbus, announced the launch of ATR 42-600S which has feature of shorter take-off and landing, using 800 meter runways.



FEATURE

ATR had 145 new orders at the show, being the third largest seller by units. Embraer which is celebrating its 50th anniversary also had a good outing. Embraer picked in all 78 new orders with United Airlines ordering 39 E175s (including 19 options); KLM Cityhopper 35 E-195 E2 (including 15 firm); 2 each from Japan's Fuji Dream and Spain's Binter.

CFM gets record-breaking orders

On engine sales, CFM, a joint venture between GE and Safran, notched up a huge order from India's low cost airline IndiGo. CFM engines will power 280 Airbus A320neo and A321 neo aircraft.

"IndiGo has been a CFM customer since 2016 and currently operates a fleet of 17 A320ceo aircraft powered by CFM56-5B engines as part of a total fleet of 215 A320/A321 family aircraft. Delivery of the first LEAP-1A-powered A320neo is scheduled in 2020," IndiGo said.

AirAsia also decided to purchase of 200 Leap-1A engines to power the airline's 100 A321neos.

Pratt & Whitney signs up with JetSmart

Pratt & Whitney, a division of United Technologies Corp announced that JetSmart had selected the Pratt & Whitney GTF engine to power 85 firm order Airbus A320neo family aircraft.

Pratt & Whitney will also provide JetSmart with engine maintenance through a 12-year comprehensive service agreement. The first aircraft is expected to be delivered in the third quarter of 2019.

Safran Helicopter Engines receives EASA certification

Safran Helicopter Engines has received EASA (European Aviation Safety Agency) Type Certification for its Arrano 1A engine, installed in the Airbus Helicopters H160.

Arrano is a new generation engine in the 1,100 to 1,300 shp power range, perfectly suited for new four-to-six ton helicopters. The H160 made its first flight with the Arrano in January 2016.



7 top aerospace companies join hands on aviation sustainability

While the aircraft and engine manufacturers competed aggressively for a bite of the aviation pie, seven of the top aerospace players – Airbus, Boeing, Dassault, GE, Rolls Royce, Safran and UTC have joined hands for aviation sustainability. The seven big players were represented by their technology heads and they are – Grazia Vittadini, Chief Technology Officer (CTO) of Airbus; Dr. Greg Hyslop, CTO of The Boeing Company and senior Vice President of Boeing Engineering, Test & Technology; Dr. Bruno Stoufflet, CTO of Dassault Aviation; Dr. Eric Ducharme, Chief Engineer, GE Aviation; Paul Stein, Executive Leadership Team, Rolls Royce; Stephane Cueille, CTO of Safran; and Paul Eremenko, Engineering and R&D head, United Technologies Corporation.

Joint statement

In a joint statement issued by the seven companies, they outlined three major technological elements to sustainable aviation:

- △ Continuing to develop aircraft and engine design and technology in a relentless pursuit of improvements in fuel efficiency and reduced CO2 emissions.
- △ Supporting the commercialisation of sustainable, alternate aviation fuels. Around 185,000

commercial flights have already proven that today's aircraft are ready to use them.

- △ Developing radically new aircraft and propulsion technology and accelerating technologies that will enable the 'third generation' of aviation.

"We are excited by this third generation of aviation and, even though all of the represented companies have different approaches, we are all driven by the certainty of its contribution to the role of aviation in a sustainable future. We believe aviation is entering its most exciting era since the dawn of the Jet Age. This third era promises a transformative positive impact on lives around the globe – and we stand ready to make it a reality," the joint statement reads.

Commercial, business and military aircraft and systems got a lot of visibility at Le Bourget, the venue of the Paris Airshow which attracted 2,453 exhibitors (1,185 French exhibitors) from 48 countries.

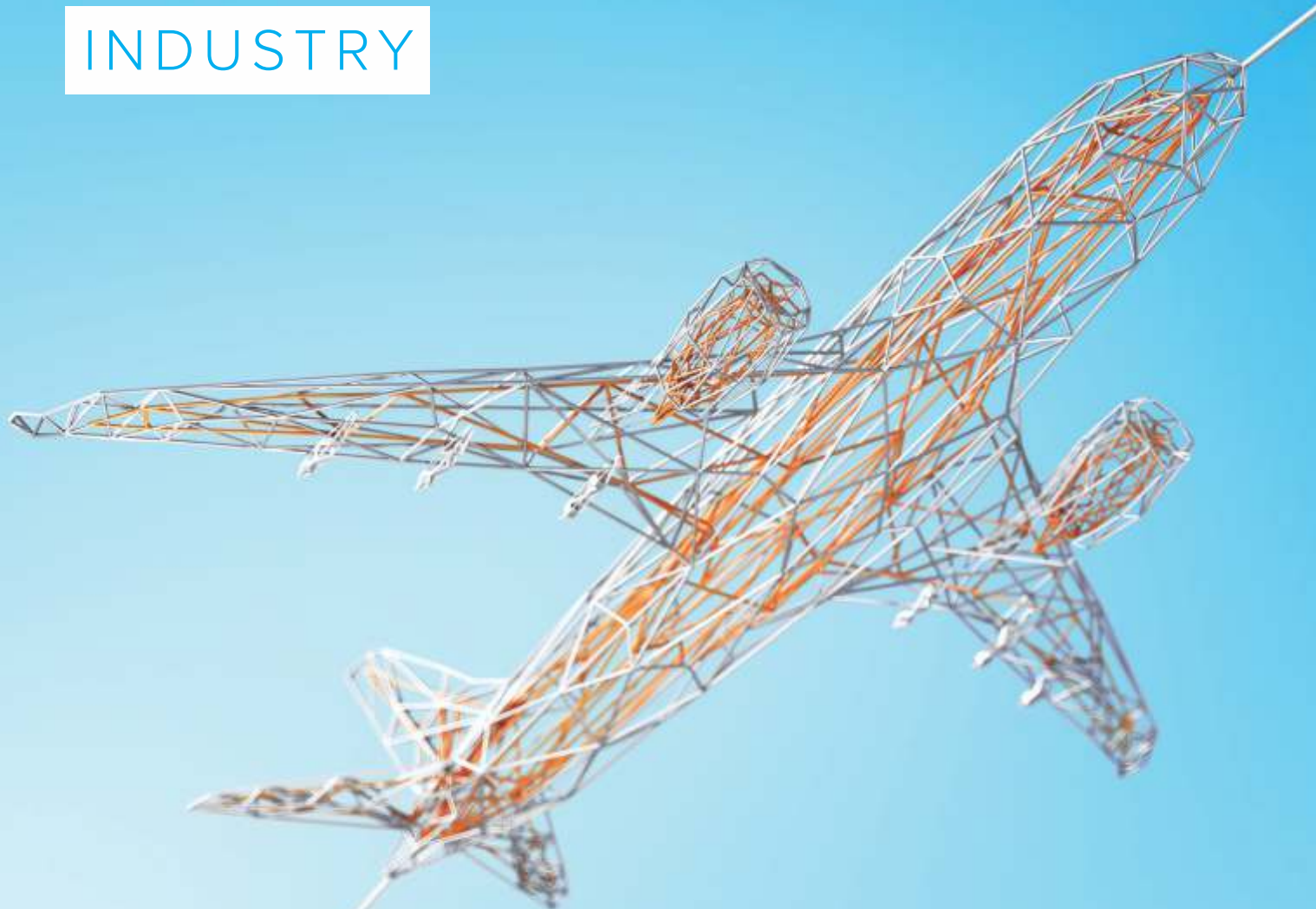
The top five exhibiting countries were USA, Germany, Italy, United Kingdom and Belgium. There were 150 start-ups from 21 countries.

About 140 aircraft were on display (both static and aerial). In all, the airshow had footfalls of 3,16,470. While these numbers are good, the orders are not commensurate as the shadow of Brexit still looms large and the general aviation economic downturn.

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Quest for a 'connected cargo supply chain'

“In order to transform the industry, it needs to address key challenges and converge, bringing the distribution and transportation process together. The entire cargo industry should adopt centralized datasets, that are updated in real-time using Internet of Things (IoT), hastening processes and allowing buyers and sellers to access up to date and accurate information.”

The Internet of Things (IoT) is the latest buzzword in the air cargo industry often heard from cargo experts when they talk about digital innovations. IoT has the potential to revolutionize the connectivity of the supply chain by tightening efficiency in operations and in ways that were never possible before.

According to studies, the global Internet of Things (IoT) market size was valued at \$212.1 billion and is expected to witness a growth of 25.68% from 2019 – 2026, reaching \$1319.08 billion by 2026.

Approximately 87% of supply chain executives say they plan to increase their use of IoT over the coming months/years where around \$6.8 trillion worth of goods are shipped annually. There is too much at stake not to adopt the latest technology—even if the expense seems high. An inability or unwillingness to embrace digital innovations end up costing more in the long run.

In an email interview with **Air Cargo Update**, Niranjan Navaratnarajah, cargo industry director, Unisys Asia Pacific explains why IoT is a necessary adoption in the air cargo industry for modernizing fast shipment processes.

Distribution process

The air cargo business is a very important business for the global air transport market and one of the main barriers to its modernization has been the over reliance on paper,



Niranjan Navaratnarajah
Cargo Industry Director
Unisys Asia Pacific

stakeholders processing data from data islands which may well already be out of date, and duplication of data entry creating more opportunities for errors.

Navaratnarajah says, “In order to transform the industry, it needs to address key challenges and converge and bring the distribution and transportation process together. The entire cargo industry should adopt centralized datasets, that are updated in real-time using mobile devices, automation and Internet of Things (IoT) hastening processes and allowing buyers and sellers to access up to date and accurate information.

“Devices need to communicate directly with systems to improve



accuracy and make real time data available to operators for swifter action on shipments. Devices need to monitor special and valuable cargo and alert operators if corrective action is required. This must be done while also protecting and securing data ie ensuring the right data is available to the right operators only. This 'connected cargo supply chain' offers customers greater visibility, certainty and satisfaction with faster delivery to customers' door".

Shipment 'idle' time

Millions of cargo shipments move around the world every single day. Some are shipping internationally and some domestically. These shipments have one thing in common: delivery without delay.

And when it is not delivered as planned, it can create problems both for the shipper and the consignee. It is the objective of the freight forwarder to work with you to make the shipment as efficient as possible.

"The biggest problem is shipment 'idle' time – when it is sitting on the ground, not moving to its destination. This is primarily due to over reliance on paper; lack of up-to-date information to process shipments, data islands and stakeholders

recreating the same data multiple times resulting in errors. Warehouses should not be storage locations – they should be highly efficient smart warehouses with very high throughput.

"A large proportion of delays is attributed to ground based processing of cargo so that's where the collaboration, connectivity and optimization should be implemented to have the greatest impact on shortening processing times. Reducing this will improve the customer experience, optimize asset utilization, improve security and reduce unnecessary storage costs," Navaratnarajah explained.

Order fulfillment and quick delivery is critical to customer experience. If customers are satisfied and delighted, they will order more frequently, thus, driving faster order cycle times.

Conversely, some organizations believe shorter order cycle times can trigger faster order fulfillment as the customer will order more often if their fulfillment time is shorter.

"At Unisys, we believe order fulfillment time needs to continuously improve in line with increasing customer expectations as the new age customer wants their goods to be

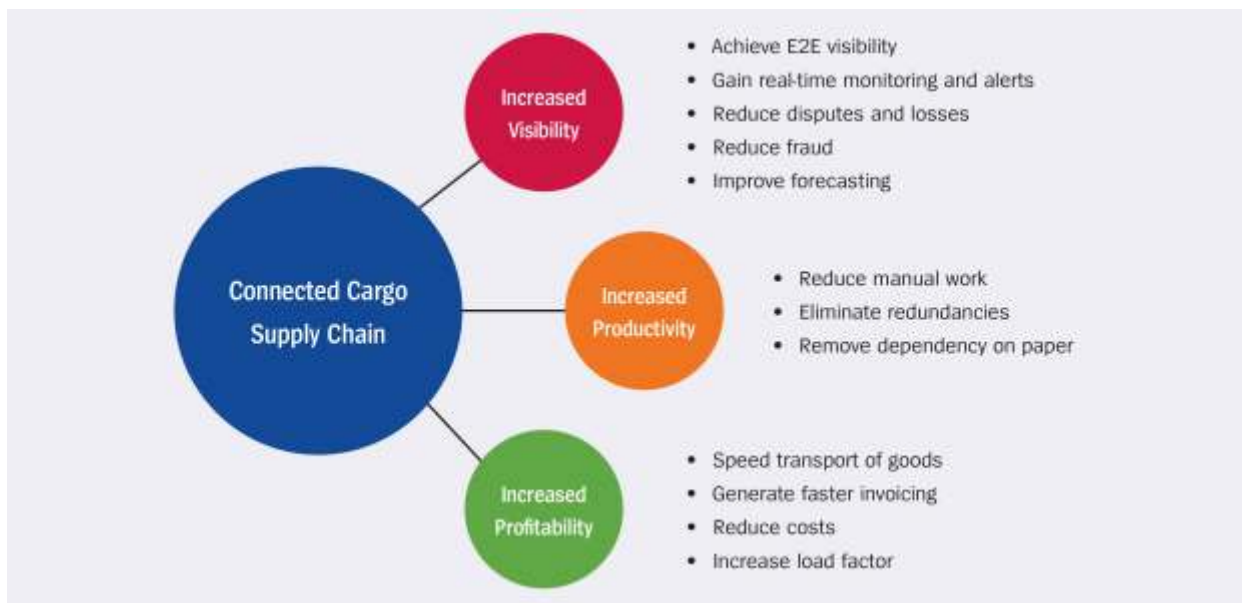
delivered ever faster. To achieve this the industry must continuously improve processing times and collaborate across the transportation industry to integrate and process higher volumes faster to shorten the overall transport and fulfillment times," said Navaratnarajah.

Reduction in time cycle

In a secure connected cargo supply chain, information flows automatically and mobile devices, wearables, sensors and drones enable staff to process shipments on the spot updating data in real-time; weigh bridges automatically exchange data with systems preventing data errors and fraud; and IoT enabled sensors on shipments proactively alert cargo systems and staff if a shipment has been left behind, in the wrong location, or is distressed.



NEWS FEATURE



Centralized data and reuse of most common data is pivotal for shorter cycle times. Ultimately using these means to process shipment quicker will improve the customer experience. Some players are already doing this, but an industry-wide approach is needed to transform the whole supply chain to shorten the order fulfillment times.

“Buyers and sellers must move their business to online ecommerce platforms – which can be their own in-house platform or one that spans a community of forwarders, airlines, general sales agents and handlers, such as Unisys Digi-Portal. Such real-time platforms enable buyers to interact with automated real-time inventory and not rely on stored data,” Navaratnarajah explained.

“In addition, growth in consumer online purchases has not only increased small parcel deliveries, it

has created an expectation that customers can easily track their deliveries. Real-time data, used across the supply chain, enables greater visibility and traceability of shipments. With 60.8 percent penetration of e-AWB in the cargo globally, the industry is well poised to move to centralized e-AWB based centralized datasets in the next 12-18 months. And as 8 of the top 10 countries of origin for e-AWBs are in Asia, and five of the six top airports of origin are Asian, we can expect this region, the ‘world’s manufacturing bowl’, will lead the way,” he added.

Moreover, artificial intelligence (AI), IoT and predictive analytics can improve visibility, efficiency and security. As cargo records are more accessible and accurate their information can be used to better manage, process and track cargo, particularly sensitive items like medicine or food, which must be stored at certain temperatures.

Sensors can record shipment characteristics and alert operators when shipments approach distress levels so that they can take action to prevent mishap and the resulting claims.

“AI powered by predictive analytics can help freight forwarders to ingest and analyze data in real-time, helping to determine if sensitive shipments require specific attention or if the

shipping conditions need to be modified. Predictive analytics can also generate data to enable airlines to better plan their routes, avoid inclement weather and validate the security of shipments. Mobile devices and smart phones will provide real-time visibility into shipments to assist to process goods faster, locate misplaced items, which can greatly impact the customer experience. Connected devices will share data across and avoid the need to use paper and help process goods faster. Integrated with such targeting tools, the connected cargo approach would improve the clearance and tracking of shipments from loading to arrival.

“Also, moving to a digital data-based cargo supply chain enables the integration of advanced security information and event management (SIEM) tools, such as the Unisys Stealth® platform with automated Dynamic Isolation, to protect customer information and shipment data from being accessed or modified by unauthorized parties, preventing data theft and cargo fraud”.

Is airfreight a challenging market?

Adaptation of technology is disparate across the stakeholders that results in multiple data creation and data islands. Supply chains are often broken due to the limitations of the lowest common denominators.

Regulators demand more real time knowledge of the goods that are being imported and expect airlines to report accurately using data from source.

Regulators are holding airlines responsible to the data that are being filed. They are also demanding that airlines use common data sets such as harmonized codes to report goods for approval.

Acceptance and delivery of goods at customers' door are done through multiple means and without digital signatures and not knowing the condition of goods. Claims are raised and settled with no evidence of the condition of goods at handover.

Airlines often face bad debts and write offs due to insufficient credit control. At the end of the spectrum operators aren't privy to detailed analytics and visualizations.

"Being able to capture real-time data by securely integrating mobility, IoT and data automation to make updates on the spot and exchange information faster will reduce the time that cargo is left on the ground. The Cargo and logistics industry is laden with manual activity and is paper driven, information sharing is limited and stakeholders have to create and process their own data multiple times often delaying access to information to process goods faster. IoT with devices and connectivity will significantly change the way data and access to real time data is used to process cargo shipments. Operators will be using real time data and customers will have access to up-to-date knowledge of their shipment movement. This will significantly alter the transportation landscape to process goods faster to shorten the order fulfillment cycle."

Unisys has more than 55 years of experience providing innovative IT solutions to the travel and transportation industry. Digistics is a holistic and integrated modular air cargo software logistics solution that allows carriers to streamline freight management and improve their operational efficiencies.

"We provide independent



customer buying and selling portals, app-based mobility solutions for the warehouse and door delivery services, device integration and data sharing, sensors that record shipment behavior through the journey including alerting during distress, piece level tracking including pharmaceutical tracking, safe transport of pets are some of the solutions Unisys provides to the industry.

"The Digi-Connect module uses a common platform to collaborate with stakeholders for information exchange through open APIs. Underpinning all of these is an advance analytics and visualization layers that provides advance views of the trends, behaviors and predictions."

Are smart warehouses a reality?

According to Navaratnarajah, smart warehouses indeed are a reality, "In 2017 we predicted that to meet the growing demand for small parcel deliveries and e-Commerce boom, warehouses will transform from a storage location, to a dynamic facility using IoT and voice artificial Intelligence (voice AI) enabling faster processing of more shipments to generate a higher return on the real-estate investment."

Just as connected wearable devices such as smart watches are becoming mainstream in the consumer world, IoT-based technology will create the

'smart warehouse' of the future.

Drones and robots will augment human activity and perform high volume tasks that were not done in the past. Device communication is central to data sharing and speeding processing in the warehouse. Warehouses will no longer be storage locations but processing centers that will have high throughput.

"Such efficiency will attract more cargo from less efficient locations and develop transshipment hubs. Recent innovations such as smart glasses used to display information triggered by a barcode or QR code on a container will be taken to a new level by incorporating scanners to automatically capture and input information into the warehouse system, and integrating voice AI to initiate actions," he concludes.

Similar technology is already used in digital assistants such as Siri, Cortana or Amazon Echo. Unisys expects cargo operators to invest in converting machine commands to voice within the next three years.

Future global trade will be significantly powered by online e-Commerce boom that will demand more transport by air, warehouses will be at the epic center of enabling this. Warehouses will have to deliver the highest efficiency if this is to be sustained. Highly automated and connected smart warehouses will, thus, be essential to augment this and help the cargo industry grow.

NEXT STOP MUMBAI



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EXHIBITORS

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DELEGATES

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Volvo Trucks'

new software and upgraded engines to cut fuel consumption



Volvo Torque Assist is designed to give more fuel-efficient driving by automatically adapting the truck's torque and acceleration to the road topography, the load and speed changes. The function is only active when driving without using cruise control.



TRUCKING

Volvo Trucks says it is launching new functions that will help drivers save fuel even when cruise control is not activated. The launch of upgraded D13 diesel engines for Euro 3, Euro 4, Euro 5 and EEV markets, together with the new software, enables fuel savings of up to 3%.

The new function is called Volvo Torque Assist and is intended to reduce fuel consumption by providing more efficient driving when the cruise control is disabled in long haul operations.

"We have seen that there is a need to help drivers save fuel also when the cruise control cannot be used. I-Cruise, our intelligent cruise control, is still the best way to optimize fuel consumption, but sometimes it might not be applicable. In this way we can support the driver to cut fuel costs in such driving situations," says Peter Hardin, Director Product Management at Volvo Trucks.

Volvo Torque Assist is designed to give more fuel-efficient driving by automatically adapting the truck's torque and acceleration to the road topography, the load and speed changes. The function is only active when driving without using cruise control.

Another supporting function keeps the amount of injected fuel constant after the engine's 'green



range' has been passed. The slightly compromised performance is compensated by improved fuel economy.

The pedal map has also been recalibrated. A less sensitive pedal creates a smoother torque development, which, in turn, makes the truck easier to control.

"Drivers that are less skilled in economical driving benefit more than those who already have that driving style," explains Peter Hardin. "The new software also gives a more significant result with heavy loads, many slope changes or large speed variations, while drivers transporting lighter loads with constant speed on flat roads will save less fuel. In field tests we have actually seen examples of a larger potential for savings, than

the 3%."

Upgraded hardware

The hardware upgrades in the Euro 6 Step D versions of the D13 engine, released earlier in 2019, are also being used to raise the standards of the Euro 3 to 5 engines. Internal friction has been reduced with new cylinder liners and new V-shaped oil scraper rings. The turbo efficiency has been improved and the engine management system is upgraded to a newer version with better capacity.

In all, these hardware upgrades save around 1% fuel, while the fuel saving potential for the new software depends on driver experience and the operating conditions. Source: www.volvotrucks.com

Volvo marks 60 years of Nil Bohlin's life-saving innovative three-point seatbelt use



This year marks the 60th anniversary since the first Volvo drivers pulled Nils Bohlin's innovative three-point seatbelt over their shoulders in 1959. Today, the seat belt is still seen as the world's most important traffic safety innovation ever and is estimated to have saved more than one million lives.

However, even with these facts in hand, too many truck drivers neglect to use this simple device. "This is clearly a waste of lives," declares Anna Wrigge Berling, Volvo Truck's newly-appointed Traffic & Product Safety Director. "The record shows that there would be so many fewer casualties if all drivers used their belts."

In 1959, the Volvo engineer Nils Bohlin developed the modern three-point seat belt. Although the design was patented, the company decided the patent was to be left open, making it available to all vehicle manufacturers to use for free.

This rather unconventional decision was made in the greater interest of public safety, to ensure that everyone, independently of whether they drove a Volvo or not,

could be safer in traffic. This decision proved to be very beneficial to the world.

"There is no safety system that comes even close to the seat belt in terms of saving lives, and the three-point safety belt has protected more people in traffic accidents than any other safety device," says Anna Wrigge Berling.

A life-saving innovation – but not always used

In many parts of the world seat belt usage among heavy truck occupants is still far from 100%, unfortunately.

"The Volvo Trucks Safety Report for 2017 showed that half of all truck drivers killed in traffic accidents would have survived if they had been wearing their seat belt," explains Anna Wrigge Berling.

So what are the reasons it's not used? Some truck drivers mistakenly believe that there is no need for a belt in a truck, due to the size of the vehicle.

"The facts are clear: Using the belt is very important also in trucks. For example, in rollover accidents, the belt can help protect the driver from being jammed between the truck and the ground," continues Anna

Wrigge Berling.

The Zero Accident vision Volvo Trucks has a vision of zero accidents and believes that truck manufacturers, traffic authorities, infrastructure planners, other experts, and drivers around the world need to work together to achieve a safer traffic environment.

"We are sharing our traffic safety findings widely and have offered our knowledge and expertise to universities, research laboratories and partner organizations. Whenever traffic safety is discussed, we want to participate. This helps us learn even more about the issues, the potential solutions and how to design the trucks of the future," concludes Anna Wrigge Berling.

Anna Wrigge Berling brings in-depth knowledge of traffic safety issues to her new position. She has extensive experience from working with both active and passive safety issues within the Volvo Group's product development, advanced engineering and research organizations.

During 2008-2013, Anna led the Volvo Trucks Accident Research Team, which since 1969 has investigated traffic accidents on site and compiled traffic safety data for use in future product development. She has represented Volvo in external traffic safety forums and has had a prominent role in the communication of Volvo's safety offering to the transportation industry.

Most recently Anna has been managing the area of Traffic Situation Management within automated driving at Volvo Trucks. She holds a Master of Science in Engineering Physics from Chalmers University of Technology in Gothenburg, Sweden. **Source:** www.volvotrucks.com

materials handling

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Over 11 million pieces of fine chocolate and other chocolate treats fly on Emirates each year



DUBAI: The world's all-time favorite, chocolate, is everywhere even up in the skies when you fly with Emirates which serves at least 11 million pieces of gourmet chocolate sourced from around the world served in premium cabins, in addition to a variety of chocolate desserts and treats served in all classes.

In First and Business Class, Emirates says its customers sample pralines and bonbons from 8 gourmet chocolatiers from 6 chocolate loving nations.

The airline said the brands were selected to give its customers a variety of premium chocolates from around the world including local home-grown brands from the UAE, where the airline is based. Each chocolate brand is on board for 3 months before a new selection is introduced to delight frequent flyers.

This includes:

- ✓ Godiva from Belgium, an Emirates staple on board for over 20 years
- ✓ Valrhona from France, who have been producing chocolates since 1922
- ✓ Canonica from Switzerland, who provide handmade Swiss chocolates
- ✓ Pacari from Ecuador, which gives Emirates customers an organic and vegan-friendly alternative
- ✓ Neuhaus from Belgium, the inventor of the Belgian Praline
- ✓ Hotel Chocolat from the UK, a

British cocoa grower and chocolatier

- ✓ Forrey & Galland from the UAE, who make handmade chocolate following French traditions
- ✓ Coco Jalila, also from the UAE, who create classic European-style filled chocolates with an Arabic flair
- ✓ "Chocolates are served on all Emirates flights and is the finishing touch to a destination-inspired, multi-course meal on board. The chocolate pieces are served in pairs and the selection includes: Coffee Cream, Almond Praline, 70% Guanaja dark chocolate, White Lemon Truffle, Dark Cocoa Nibs, Pistachio Praline and Chocolate with Cuzco Salt and Nibs," Emirates said in a statement.

In First Class, chocolate lovers can also look into their personal goodie baskets for more cocoa treats. Across all classes, Emirates says customers craving a chocolate fix can enjoy chocolate desserts and hot chocolate from the menu.

On longer routes, Emirates' friendly cabin crew offer chocolate bars in a snack tray and chocolate lollipops are offered to children during festive celebrations. At Emirates' A380 Onboard lounge, customers can help themselves to M&Ms, chocolate cakes and chocolate mini treats.

AirAsia UFC Training Scholarship for 2019 now open for applications

SHANGHAI: UFC, the world's premier mixed martial arts organization, and AirAsia announced they are now accepting applications for this year's AirAsia UFC Training Scholarship.

Now in its second year, the training scholarship will provide an up-and-coming MMA athlete from Asia Pacific with the opportunity of a lifetime – an all-expenses-paid training program at the UFC Performance Institute in Shanghai, China, the largest MMA training and development facility in the world.

The tailored four-week training program will give the chosen athlete the opportunity to train with other world-class MMA athletes under the tutelage of the UFC Performance Institute team, led by UFC Hall-of-Famer Forrest Griffin.

"Our primary objective for the UFC Performance Institute Shanghai is to accelerate the development of Mixed Martial Arts in the region by providing a world-class facility, best-in-class training, and an innovative approach to sports science," said UFC Senior Vice President APAC, Kevin Chang

Indonesian strawweight Linda Darrow was awarded the scholarship in 2018 and trained at UFC's Performance Institute in Las Vegas

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Aeroflot is FIBA Basketball World Cup 2019's official airline

MIES/MOSCOW: Russia's national airline, Aeroflot, is this year's official airline of FIBA Basketball World Cup 2019 which will run from August to September.

This summer, Aeroflot and FIBA are taking the Basketball World Cup Trophy to cities around the globe, delivering an exciting World Cup experience to fans and showcasing its greatest prize as part of basketball celebrations and FIBA's flagship competition.

Under the agreement, Aeroflot holds the Presenting Partner rights for the Trophy Tour and the Trophy Ceremony that will occur following the Final in Beijing on September 15.

The contractual rights also include Aeroflot's brand visibility on all basketball courts across the eight host cities of the World Cup and Presenting Partner rights for the "Best Flying Moments" that celebrate the most spectacular actions of the competition across FIBA's official digital platforms.

"Since the start of Aeroflot global partnerships, its brand awareness has doubled in key markets. We believe that our partnership with FIBA Basketball World Cup 2019 will positively impact on recognition of the Aeroflot brand and further reinforce our position in one of our key markets – China – where this year's World Cup is taking place. We are also honored to be the first airline that takes part in the first ever global FIBA Trophy Tour," said Aeroflot Deputy CEO for Strategy and Marketing Andrey Panov.

FIBA Secretary General Andreas Zagklis, added: "We



FIBA Basketball World Cup 2019 Ambassador Kobe Bryant with Aeroflot stewardesses during the FIBA Basketball World Cup 2019 Trophy Tour in Los Angeles. Image Credit: Aero flot

are extremely pleased to welcome Aeroflot as a FIBA Global Partner. It's an immense honor to partner with such a leading and renowned company, which we believe, will be a great partner in our mission of developing and growing basketball worldwide."

Founded in 1923, Aeroflot flies to 159 destinations in 54 countries.

Etihad Airways teaches underprivileged Nepalese children how to cook nutritious locally sourced food

KATHMANDU: Children of the Azizia Madrasa enjoyed a tasty morning in July as they learnt a fundamental skill to last them a lifetime—cooking healthy, nutritious meals using locally sourced, low cost ingredients.

Etihad Airways Inflight Chef Sanjay Thakur, famous for breaking the world record for creating the highest pop-up restaurant in the world at Everest Advanced High Camp last year, and President of the World Chef Association, Thomas Gugler, hosted the Abu Dhabi-led initiative to teach children the benefits of healthy eating and how they can use locally found ingredients as the cornerstone of a nutritional diet.

"I am a strong believer in the old adage that if you teach someone to do something for themselves you have given a lesson for life, and that is what we are trying to do here today. It is not enough to simply donate a meal, our goal today is to teach these children and their carers healthy habits that will last a lifetime, and the skills to implement them," said Chef Thakur.

The day's menu was sourced entirely from local markets and even foraged from wild foliage, with intent to show that healthy, and sustainably-sourced meals can be created for little to no cost.



Over 70 children who live at the orphanage were shown how to source and prepare simple dishes before enjoying Chef Thakur's tasting menu including locally foraged shisnu and wild spinach soup for the starter, a main course of locally farmed chicken casserole with barley, and rhododendron rice pudding with yak dairy for dessert.



AIRLINES

flydubai flew over 70 million passengers in 10 years and counting

DUBAI: flydubai had carried more than 70 million passengers since it began its operations in June of 2009 and the number continues to rise as the Emirate's budget airline opens up more routes worldwide.

In June, the airline marked its first decade in the industry with a month-long celebration. flydubai's first flight took off from Dubai International bound for Beirut Rafic Hariri International Airport, the beginning of a new chapter in the history of aviation in the United Arab Emirates. On June 1, 2019, a special flight took off from Dubai International and was met with a celebratory water cannon salute upon arrival in Lebanon's capital.

In June, the flydubai team also came together at Reel Cinemas in Dubai Mall for a preview of the story of how the airline changed the way people travel around the region.

"Over the last 10 years, we have carried more than 70 million passengers, introduced new and



Ghaith Al Ghaith
Chief Executive Officer of flydubai,
at Dubai Mall's Reel Cinemas
reflecting on the airline's humble
beginnings and its future.

under-explored destinations and brought people closer to share experiences and opportunities. We remain as determined as we have always been to bridge the distance between people and in doing so enrich their lives," said Ghaith Al Ghaith, Chief Executive Officer of flydubai.

"We began operations as a low-cost carrier to allow more people to travel to more places more often however

our real aim was to improve accessible air travel for over 2.5 billion people within the flydubai network. This has seen the airline evolve, introducing Business Class and refining our product offering without compromising our operational integrity. Today, we offer our customers value beyond the fare, ensuring opportunities are within reach of everyone, everywhere we fly," he added.

Hong Kong Express Airways now a wholly owned subsidiary of Cathay Pacific

HONG KONG: Cathay Pacific says it has completed the full acquisition of Hong Kong Express Airways (HK Express) which has a fleet of 24 narrow-body aircraft covering regional routes between Hong Kong and Japan, Korea, Southeast Asia, mainland China and Taiwan.

Cathay Pacific Cargo has been appointed as the General Sales and Service Agent (GSSA) for all HK Express cargo activities across its entire network effective 1 September 2019. HK Express will continue to operate as usual and we shall will work closely with Hong Kong Air Cargo Carrier Limited (RH),



The combined cargo network of Cathay Pacific, Cathay Dragon and HK Express will progressively offer more choices to its customers, the airline said.

"We are very excited to welcome HK Express into the group. We

is good for the customers, good for HK Express, good for the Cathay Pacific Group, and good for the development of Hong Kong as a global aviation hub," said Cathay Pacific Chief Executive Officer and HK Express Chairman Rupert Hogg.

Dubai to host 2nd Global Investment in Aviation Summit in January 2020



Saif Mohammed Al Suwaidi
Director General UAE GCAA

DUBAI: Dubai will host for the second time the Global Investment in Aviation Summit (GIAS) in January 2020 with the theme “Enabling Global Aviation Growth through Fundraising and Key Partnerships”— the UAE General Civil Aviation Authority (GCAA) announced.

Scheduled for January 27-29, the event is expected to draw over 200

investors and 1,200 delegates, various government officials, aviation organizations, finance and insurance firms, aviation asset owners, aircraft operators and logistic service providers and legal consultants.

Saif Mohammed Al Suwaidi, GCAA Director General, said the UAE is committed to lead in the aviation industry with emphasis on building quality air transport infrastructure.

“The national agenda for 2021 aims for UAE to be the world first in the quality of the air transport infrastructure. Although we are facing some challenges, such as determining the airspace and

congestion in the UAE, we achieved great strides in the aviation industry,” said Al Suwaidi. “The aviation industry is one of the cornerstones of the country’s economic development.”

The summit would also reveal the best practices of the first aviation business incubator Intelak, which provides training programs and workshops for trainees who want to learn the secrets and techniques of the aviation sector.

More than 850 international delegates and 120 investors from 60 countries around the world, including the United States, United Kingdom, France, Germany, India, Saudi Arabia and Egypt joined the first edition of GIAS.

Registration for GIAS is now open. Log in to <http://www.gias.ae/> to register and to get the latest updates on top policy makers, industry leaders and aviation experts participating in panel discussions and workshops.

GoAir and Al Naboodah Travel & Tourism launch Dubai-Kannur-Dubai flights

DUBAI: India’s GoAir in partnership with Al Naboodah Travel & Tourism Agencies recently launched daily non-stop flights from Dubai to Kannur in Kerala.

Jeh Wadia, Managing Director of GoAir, said the new flights will give passengers the option to explore connections to Hyderabad, Bengaluru, Chennai and Mumbai.

“Our daily flights between Dubai and Kannur manifests GoAir’s vision for Dubai, specifically for the inbound Kannur market. Passengers will have the option to explore further connectivity to Hyderabad, Bengaluru, Chennai and Mumbai. GoAir is India’s fastest growing airline and we see DXB



as the logical extension of our operations,” he said.

GoAir recently took delivery of its 51st aircraft with plans to add at least one aircraft every month. That translates into more flights, more destinations and more smart options for the consumers, officials said.

To date, GoAir has flown about 73.3 million passengers since inception. It aims to serve 100 million passengers in the next two years.

Nasir Jamal Khan, CEO of Al Naboodah Travel & Tourism Agencies, said the company is happy to collaborate with GoAir.

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Munich Airport sets new passenger record of 22.7 million in H1 2019

Dr. Michael Kerklow
President & CEO of
Munich Airport



MUNICH: Munich Airport posted significant gains in passenger numbers in the first six months of 2019—22.7 million—up by 5% than the first half of 2018.

Dr. Michael Kerklow, President and CEO of Munich Airport, made the announcement in July during a briefing with the Munich Press Club.

He said the number of take-offs and landings was also higher, increasing by almost 3 percent to around 205,000 aircraft movements in total. In the cargo segment, which is experiencing a slowdown throughout Europe, the total volume handled in the first half of the year amounted to around 162,000 tons. This represents a year-on-year decline of nearly 6 percent.

The most powerful growth driver at Munich Airport remains the steadily increasing demand for international travel. The number of passengers travelling between Munich and international destinations in the first half of 2019 was 1 million higher than in the same period a year earlier.

Disproportionate growth was seen especially in the intercontinental segment, where growth in total passengers, at 10.6 percent, was more than double the Europe-wide growth rate (4.5 percent).

With regard to the climate impact of aviation, CEO Kerklow mentioned an

initiative announced at the annual assembly of the trade body ACI Europe, which represents the aviation industry.

Under the plan, more than 190 European airports are committed to taking decisive action to decarbonize aviation. Munich Airport and the other signatories of this "Net Zero Carbon" resolution intend to reduce their CO₂ emissions to "net zero" by 2050 and to remove the unavoidable residual emissions from the atmosphere through technological measures.

"I believe that bans on flying or individuals voluntarily refraining from air travel do not represent viable options for a networked global community. That's because, in this discussion, there is one fact that we need to bear in mind: Aviation doesn't just produce emissions. It produces cultural exchanges, encounters between people, and economic cooperation on a global scale," said Dr. Kerklow.

"What's more: Aviation produces openness to the outside world, jobs and prosperity. Especially in view of the role of flight in bringing the world's nations together, it is worth combining our strengths and working together for sustainable and climate-friendly aviation. We at Munich Airport will be doing our share," he added.

Ethiopia sees surge on arrivals rate



ADDIS ABABA: Addis Ababa Bole International Airport is seeing a record number of international passengers traveling through Ethiopia's capital, cementing its position as the major gateway into Africa.

The airport recorded on July 17 one of its busiest days with 310 flights and 29,528 travelers welcomed both for departures and arrivals.

Commenting on the Airport's preparedness for the peak season, Getaneh Adera, Director of Bole International Airport and Acting CEO of Ethiopian Airports said, "With the partial opening of the new terminal which will more than double the capacity of the airport, we are very excited to serve record number of passengers in this summer."

As the home base of Ethiopian Airlines, Africa's largest flag-carrier serving over 120 cities around the world, Addis Ababa has turned into a bustling hub handling hundreds of flights each day.

The Airport has seen a major expansion recently which will boost its capacity to cater to 22 million passengers annually.

Upon going fully operational, the expanded terminal will feature state-of-the-art airport facilities, elegant and spacious check-in, arrival and departure halls, various duty-free shops, restaurants, and many other accommodations, taking the entire passengers' experience to a whole new level.



AIRPORTS

Abu Dhabi Airports holds full-scale operational trials at Midfield Terminal Complex



ABU DHABI: Abu Dhabi Airports has conducted an Intermediate full operational trial of the Midfield Terminal Complex (MTC) in the UAE's capital with more than 800 volunteers participating and two Etihad Aviation Group aircraft taking part in the simulated operation of the terminal.

The June 30 full-scale operational trials at MTC, one of the biggest state-of-the-art airports in the region when completed, is part of the continuing development of the state-of-the-art Terminal Complex, and the ongoing Operational Readiness and Airport Transfer, ORAT, process, the Emirates State News Agency, WAM, reported.

Between 9:30 am and 3 pm, 800 volunteers acted as passengers using the terminal building, while an Etihad Aviation Group Airbus A330-200 and A330-300 simulated the process of performing a full 80-minute turnaround on the aircraft, including the loading of catering, refueling the aircraft, and conducting checks on the aircraft ahead of take-off.

Through a variety of scenarios, the trial teams and volunteers simulated passengers arriving at the terminal, transiting through the terminal, boarding the aircraft, disembarking the aircraft, passing through customs and immigration, utilising concierge

services, and departing from the terminal.

During the trial, Abu Dhabi Airports' staff and strategic stakeholders were able to assess processes related to immigration, security, hand-baggage handling, immigration, baggage reclaim and customs.

"Trials are an important step in the delivery of the MTC project, as we safely and securely assess the terminal's operational capacities and processes. Through conducting trials of this scale and fully assessing the results therein, we will be able to make sure that passengers enjoy an efficient and smooth journey through the MTC from the very first day of operation," said Bryan Thompson, CEO of Abu Dhabi Airports.

With the Midfield Terminal Building designed to be able to handle more than 8,500 people per hour, conducting operational tests ahead of the terminal's operation is of paramount importance. The terminal, which will be one of the region's largest, is designed to handle tens of millions of passengers a year, with a baggage handling system that can process almost half a million bags a day.

Frankfurt-Hahn Airport welcomes Air Serbia

FRANKFURT: Frankfurt-Hahn Airport welcomed on July 17 the newest airline flying from the route, Serbia's national carrier, Air Serbia, which has expanded its summer flight schedule to the Balkans by two weekly flights to the Serbian university city of Niš.

"We are pleased to welcome Air Serbia, a rapidly expanding airline, at Frankfurt-Hahn Airport. The flights to Niš are a very good addition to our existing offer," says Christoph Goetzmann, Chief Operating Officer of Frankfurt-Hahn Airport about Air Serbia which uses Airbus A319s for

the route.

Air Serbia takes off twice a week from HHN to Niš - Constantine the Great Airport. Niš is located in the southern part of Serbia and is the third largest city in the country. With numerous excavation sites and monuments, the city is an important place in Serbian and European history.

Niš is also an important industrial



and commercial city in the Balkans & offers good transport connections to Belgrade, Sofia and Pristina.

Virgin Hyperloop One and Saudi Arabia to build world's first long-range test track



LOS ANGELES: Virgin Hyperloop One is building the world's first long-range test track for hyperloop track, a research and development center and a hyperloop manufacturing facility north of Jeddah as part of its partnership agreement with Saudi Arabia's Economic City Authority (ECA), the companies announced.

The project, which involves building a 35-km hyperloop track, could cut travel time between Jeddah and Riyadh to just 76 minutes from the current over 10 hours and just 48 minutes to the nearby Abu Dhabi in the United Arab Emirates (currently 8.5 hours), is an impetus to the Kingdom's goal of developing Saudi as the Silicon Valley of the Desert under Crown Prince Mohammad bin Salman's Vision 2030.

Virgin Hyperloop One's technology features depressurized tubes that carry on-demand passenger or cargo "pods" at speeds up to 1080 kilometers per hour. It's success in Saudi positions the country as the gateway to the Middle East, Europe and Asia for both freight and passenger movement.

The study will focus on King Abdullah Economic City (KAEC), located 100 kilometers north of the Red Sea port of Jeddah.

"Our partnership with Virgin Hyperloop One is a matter of pride for us and all of Saudi Arabia," said Saudi ECA Secretary General Mohanud

A. Helal who went to Los Angeles to seal the deal.

"As we continue to help deliver the strategic pillars of Vision 2030, technology transfer and high-tech job creation opportunities that this relationship will bring are fundamental to our progress as a nation and our efforts to create opportunities for our bright young people. Having hyperloop at King Abdullah Economic City is going to act as a catalyst for a Saudi Silicon Valley effect and galvanize our software development, high technology research, and manufacturing industries," he added.

In parallel to the implementation of the Study, Prince Mohammad bin Salman College of Business and Entrepreneurship will collaborate on the creation and publication of an academic paper outlining the economic impact of a Hyperloop Center of Excellence in KAEC.

Additionally, experts from the King Abdullah University of Science and Technology (KAUST) will visit the Virgin Hyperloop One testing facility in Nevada to conduct a technical review, followed by the publication of an academic paper.

"I look forward to this collaboration with our visionary partners in the Kingdom of Saudi Arabia to turn this technology into a mass transportation solution," said Jay Walder, CEO, Virgin Hyperloop One.

Dubai uses 'Entrupy' to detect fake goods

DUBAI: A new technology based on artificial intelligence designed to detect counterfeit products has been introduced in Dubai.

The department of Commercial Compliance and Consumer Protection (CCCP) at Dubai Economy said the use of "Entrupy" patented by a US company was adopted in line with the directives of His Highness Sheikh Mohammed bin Rashid Al Maktoum, Vice President, Prime Minister and Ruler of Dubai, to integrate artificial intelligence to protect consumers and trademark owners' rights.

The AI-based device is linked to a vast database comprising thousands of microscopic images of branded goods, particularly leather products, watches and accessories as well as clothing. More

branded products will be added to it during the last quarter of 2019.

"The new technology will make brand owners more confident of their rights being protected in Dubai and provide them with a fast and simple alternative in case they had registered their products here by conventional means. They can now use the tech solution to feed data and images relating to their product electronically," said Mohammed Ali Rashid Lootah, CEO of CCCP.

With the new device, the inspector can detect counterfeit goods with high speed and accuracy, thereby, eliminating time-consuming communication and verification with trademark representatives.



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and regions

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EXECUTIVE MOMENTS

Gulf Air appoints first Bahraini female country manager


Shams Al Doseri

MANAMA: The Kingdom of Bahrain's national carrier, Gulf Air, has named its first female Bahraini country manager, Shams Al Doseri, who will look after the company's operations in Ethiopia.

Al Doseri has eight years of airline sales experience in Gulf Air's hub station in Bahrain where she showed

excellent performance, earning the company's trust to represent it in Ethiopia's capital, Addis Ababa.

The airline operates flights to and from Addis Ababa in Ethiopia since 2011 and with this appointment, Al Doseri will take on the challenge of further strengthening Gulf Air's growth in Africa.

"I am very proud and delighted to take this challenge and be the first Bahraini woman in Gulf Air to represent the national carrier outside the Kingdom," said Al Doseri on her latest lateral promotion, "This assignment is of a national nature to me as I will not only promote my airline but also promote my beloved country to the world by encouraging more passengers to fly Gulf Air to or via Bahrain."

Gulf Air says it is committed to invest in its Bahraini workforce and their career development. As such, it continues to provide opportunities for Bahraini nationals to take over senior positions in the company. Earlier this year, Gulf Air welcomed the return of its Country Manager UK to its headquarter in Bahrain to take on the role of Senior Manager Sales managing the entire Europe and Asia Pacific regions. With 90% of employees based at its headquarters in Muharraq being Bahraini along with nearly 70% of its pilots, Gulf Air is a leader in the Bahrainisation program in the Kingdom as it provides the opportunity for local talents and experienced personnel to work in its various areas of the airline's business.

Gulf Air commenced operations in 1950, becoming one of the first commercial airlines established in the Middle East. Today, it is a major international carrier serving 49 cities in 27 countries.

The airline operates double daily flights or more to 10 regional cities, in addition to select destinations in the Indian Subcontinent and Europe, from its hub at Bahrain International Airport.

Previous project manager of One Cargo succeeds J. Florian Pfaff

FRANKFURT: Achim Martinka, previously Head of the One Cargo project, will be appointed Vice President Germany. Martinka succeeds J. Florian Pfaff, who took over as Vice President Asia Pacific on 1 June 2019. Mr Martinka will take over his duties in the coming weeks.

Business economist Achim Martinka began his career at Lufthansa Cargo 2000 as Senior Manager Global Accounts. After various positions in Europe, he moved to Atlanta in 2010 as Vice President The Americas before being appointed Vice President Europe & Africa in Frankfurt in 2016.

Since 2017 Martinka has been responsible for the One Cargo project, a project that aims to strengthen the cooperation between SwissWorldCargo and Lufthansa Cargo.

The new position was filled in line with Lufthansa's usual rotation policy for senior management positions.

With a turnover of 2.7 billion euros and 8.9 billion revenue tonne-kilometres in 2018, Lufthansa Cargo is one of the world's leading companies in the transport of air freight. The company currently employs about 4,500 people worldwide.

Lufthansa Cargo focuses on the airport-to-airport business. The cargo carrier serves around 300 destinations in more than 100 countries with its own fleet of freighters, the belly capacities of passenger aircraft operated by Lufthansa


Achim Martinka

German Airlines, Austrian Airlines, Brussels Airlines, Eurowings and SunExpress, and an extensive road feeder service network.

Paris Air Show 2019 | 17-23 June | Le Bourget, Paris







UPCOMING EVENTS

air
cargo
update

Materials Handling Middle East

Materials Handling Middle East is the only dedicated show in the region for professionals from every facet of the warehousing, intralogistics and supply chain sector. From forklifts & lifting equipment to warehouse automation, the show presents latest product innovations and solutions for all your warehousing requirements. The previous edition has welcomed 3,448 trade visitors from 57 countries.

Dubai World Trade Centre
September 03-05, 2019

TransLogistica St. Petersburg Exhibition & Conference

The TransLogistica St. Petersburg Exhibition & Conference is an international trade fair with attendees from the largest Russian and foreign companies engaged in logistics, engineering, the transport industry and related sectors. A variety of topics will be discussed during the event with emphasis on logistics and cargo handling optimization.

St. Petersburg, Russia
September 26-27, 2019



World Routes 2019

World Routes is the global meeting place for every airline, airport and aviation stakeholder. The event presents an unrivalled platform for route development professionals to discuss, develop and plan network strategy on a global scale. Providing unique cost and time-saving benefits, World Routes is a 'must attend' event and attracts the most senior decision makers from the world's leading aviation organizations.

Adelaide, Australia
September 21-24, 2019

7th CCA Pharma & BioSciences Event

The Cool Chain Association is proud to announce its next Pharma Event, which will be organized together with EVA International and take place in Paris, France. More information will follow shortly.

TBC, Paris, France
September 23-24, 2019

IMHX 2019

IMHX is the UK's largest logistics exhibition and acts as a meeting place for those involved in the handling, movement or transportation of goods throughout the supply chain to come together and do business. The growing role of artificial intelligence and technology within modern supply chain operations will be reflected at IMHX 2019: with over a third of exhibitors showcasing some form of automation, robotics, autonomous vehicles or new tech, visitors to the show will be able to discover exciting technology for themselves and get a greater understanding of how it can deliver operational benefits and competitive advantages.

NEC Birmingham, UK
September 24-27, 2019

Air & Sea Cargo Americas 2019

Air & Sea Cargo Americas will bring together top executives from all sectors of the aviation, maritime and logistics industries to exchange views and experiences to enhance the growth of the cargo industry in the Western Hemisphere. Airports, seaports, exporters, shipping lines, freight forwarders, shippers, importers, consignees, equipment and technology suppliers, among others, will interact, exchanging ideas and information. Topics will include security, regional consolidation, manufacturer and shipper needs in high growth cargo, trade facilitation, improving productivity, speed and service quality, responding to market changes and demands from shippers, consolidators and forwarders, and controlling costs while streamlining customer services.

Doubletree By Hilton Hotel Miami
Airport & Convention Center
October 30-November 01, 2019

TIACA Executive Summit 2019

Budapest Airport (BUD) will host The International Air Cargo (TIACA)'s Executive Summit (ES) and Annual General Meeting from 20th to 22nd of November 2019, bringing together decision makers from across the globe for a series of panel discussions, keynote speeches, and round table debates. BUD will host an Opening Ceremony for its new dedicated freight centre, called BUD Cargo City, during the event, inviting delegates, customers, and suppliers, among other stakeholders.

BUD Cargo City, Budapest, Hungary
November 19-21, 2019

Dubai Airshow 2019

The 2019 edition of the Dubai Airshow will once again bring the aerospace community together. Show on show, the Dubai Airshow delivers an unrivalled gateway to established and developing markets – with 80% of the world's population located within eight hours of one of the UAE's airports this is where the industry comes to make connections.

Dubai Airshow 2017 gathered together 1,200 exhibitors from 63 countries, over 79,380 trade visitors with 159 aircraft on display. The event generated an order book of \$113.8 billion, the biggest in its history.

www.dubaiairshow.aero
DWC, Dubai Airshow Site
November 17-21, 2019

12th Global Supply Chain and Logistics Summit

This summit held annually in Dubai, acknowledged as the biggest and the most informative thought leadership conferencing for supply chain and logistics industry in Middle East, Asian subcontinent, Turkey, Central & East Europe and Africa region, will focus on the latest insight and trends of global trade, economics, transportation, logistics, manufacturing and distribution. Uniqueness and sophistication of supply chain pertaining to various industry verticals like retail, energy, healthcare, automotive and FMCG will be included.

Dubai, UAE
November 27, 2019



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TURKISH CARGO MAINTAINS ITS SPEED OF OPERATION.

Turkish Cargo continues its operations both at Ataturk and at Istanbul Airports maintaining its consistency for quality and care. Its "on-time performance", defined as planned arrival/departure hours, reached an even higher level this year than in the first quarter of 2018.

According to WACD (World Air Cargo Data), the company maintained its 7th position in the rankings, with a tonnage in the first quarter of 2019 amounting to 11.6%. When all phases are complete, Turkish Cargo will comprise a total area of 300,000 m², giving it the capacity to handle four million tons of cargo at the terminal every year. Freighter operations will continue to be carried out from the existing terminal at Ataturk Airport.



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