

# air cargo update

Vol. 9 Issue 09, No. 79, September 2019

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



**American Airlines Cargo**  
**Connecting the world**  
**with innovative solutions**

**Rick Elieson**  
President, American Airlines Cargo



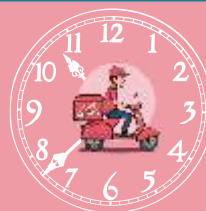
## The Lounge



**Richard Forson**  
President and Chief Executive Officer  
Cargolux Airlines



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177,000 tons of  
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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

## Innovation is key

To innovate or stagnate? That's the key question most companies face as the world continues to transform to the digital age, entering a new phase where much of the work is done through the use of AI-powered machines or systems, robotics and digitalization.

The digital era has introduced us to new positions, tasks and functions, which in the foreseeable future, would continue to evolve.

In this edition, we'll bring you the latest on American Airlines Cargo which is approaching its 90th year in the industry. Born in 1930, the company survived through continuous innovations and pioneering solutions carried even to this day.

AA Cargo continues to invest heavily on technologies, planes, people and facilities connecting the world while protecting the planet.

On warehousing, we'll touch on how it is dramatically transformed by e-commerce and how technology is disrupting the business. The increasing digitization of the industry and the advanced technologies, including artificial intelligence, big data, blockchain and robotics, are disrupting the sector to improve business efficiencies.

We'll also share with you stories from India and Singapore on how the logistics sector is being transformed to deliver efficient services, satisfying customers demand without compromising the environment.

On trucking, we'll bring you a start-up company's ambitious dream of filling America's roads with the less invasive hydrogen-powered vehicles and stations. Some 14,000 new trucks of this kind are already in order and more are expected to be purchased as the world opts for alternative sources of energy other than fuel.

Read on more news and features in this edition of **Air Cargo Update**.

**Gemma Q. Casas**

**Editor-in-Chief**



# General Sales Agency (GSA) Agreement Oman Air Cargo

Oman Air, the rapidly growing National Carrier of the Sultanate of Oman is seeking a representative GSA partner for Oman Air Cargo in **Greece, Bahrain, Jordan, Hong Kong, Kenya, Philippines, South Africa, Vietnam and Egypt.**

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Interested partner who meets above mandatory requirements should apply and submit company profile & financial statement to:

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For any query, please send email to **Khalfan.AlBakri@omanair.com**





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The  
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## The CEO who wants to stay connected even on a holiday

Thanks to technology and the internet the world has become smaller and work can be done remotely no matter where we are. The digital age changed a lot of things even when we're on holidays that we can't live without it. We take snapshots of places we've been too and instantly share them on our social media accounts or to friends. We are chained to the wire for good reasons.

For busy business executives, the internet is an extension of their office or the boardroom. Richard Forson, the CEO of Cargolux Airlines, Europe's leading all-cargo airline which owns 14 Boeing 747-8 freighters and 16 Boeing 747-400 freighters, is no exception to the power of global connectivity.

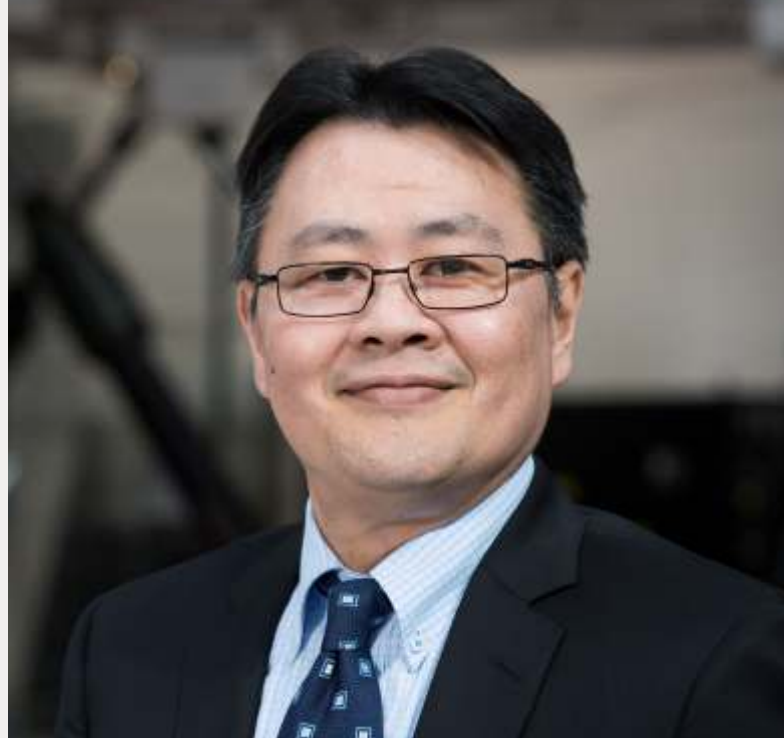
The workaholic CEO says there are three critical things he must have even when traveling on a holiday: a WiFi, a mobile phone and a laptop.

"I always tell my wife, 'wherever you want to take me, make sure that there's WiFi,'" Forson, a first generation Chinese-South African national who was born and raised in South Africa, shared with **Air Cargo Update**.

"When I travel, I still want to be always connected," added Forson, a workaholic, who rarely takes time off from his busy schedule. He spends even his weekends in his office saying "when it's quiet."

This father of two who has turned Cargolux into a profitable business after lackluster years attributes the company's success to team work, innovative solutions and their employees' commitment to work harder.

Under Forson's leadership and an intense year-long negotiations, the management of Cargolux and its social partners, LCGB and OGBL, signed two new collective work agreements in August. One covers the period between 1 December 2018 and 31 December 2019 and the second will become effective as of 1 January 2020 until 31 December 2022.



**Richard Forson**

President and Chief Executive Officer  
Cargolux Airlines

The two agreements will result in substantial improvements for the more than 1,300 employees covered by the airline's collective work agreement. The improvements include a salary increase of 6% for ground staff and 4% for pilots over the 4-year duration of the contracts. Staff hired since December 2015 will benefit significantly from additional adjustments of salaries, off-day and vacation entitlements, bringing all staff to similar levels. These CWAs provide security of employment for the airline's employees.

"I am pleased that we have managed to reach an agreement with our social partners. This agreement cements job security within our company while contributing to Cargolux's sustainability on both social and economic fronts. Building on this solid foundation, we can strengthen our position as a leading player in the global air freight industry," said Forson in a statement after the deal was made.

An aviation industry veteran since 1990, Forson shared the importance of loving what you do for a living.

"Don't go for the salary. Do something that you really enjoy. Then, it becomes a hobby but you get paid for it," Forson said. "Do something that you really enjoy."

And though he believes in the power of education, Forson is also a pragmatic businessman who believes in the spirit of entrepreneurship to deliver economic development.

"The world today has too many graduates. But the typical entrepreneur has never been to a university," he said.

Growing up in South Africa, Forson said he saw first-hand how small and medium businesses generated jobs and sustained communities despite great political and economic challenges the country faced. And that he said is something to be nurtured.



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## GLOBAL NEWS

## Emirates SkyCargo hauls over 177,000 tons of perishables and pharma this summer through Dubai as rapid transit point

**DUBAI:** Emirates SkyCargo, the freight division of Emirates, has transported a large volume of temperature sensitive pharmaceuticals and perishables through Dubai to other parts of the world this summer with the public convinced that its high-tech environment and facilities make it the ideal point of connection to other markets worldwide.

In total, the company says it moved over 150,000 tons of perishables and 27,000 tons of pharmaceuticals through Dubai between the beginning of April and mid-August 2019.

Over the last three years, Emirates SkyCargo has managed to consolidate the position of its Dubai hub as an efficient and rapid transit point for cargo originating from and destined to a variety of cities across six continents.

It has also transformed the perception of Dubai in the minds of global cargo customers from a transit stop to be avoided in summer because of high temperatures to a preferred state of the art point of connection to markets around the world.

Emirates SkyCargo says it has invested in developing modern and 'fit for purpose' infrastructure at its Emirates SkyCentral DXB and DWC cargo terminals for cargo from passenger and freighter aircraft respectively.

This includes extensive cool chain facilities and dedicated storage space for pharmaceutical cargo. With a combined capacity of over 2 million tons of cargo per annum, the terminals see movement of close to 5,000 shipments and over 6 million kilos of cargo per day including during the summer season.

### Connecting cures

Since 2017, there has been an increase of 7% in the volume of pharma cargo transported during the summer months and an increase of 14% in the overall volume of pharmaceuticals

**With sophisticated facilities, Dubai changed public perception as transit stop to be avoided during summer to a preferred state-of-the-art point of connection to markets around the world**



transported throughout the year, Emirates SkyCargo shared.

This summer season alone, over 190,000 kilos of pharma travelled every day through Dubai on Emirates SkyCargo. These include lifesaving vaccines, medication for cancer, diabetes and cardiovascular diseases that travel across the world through Dubai to reach patients in time for their treatment.

The carrier's operations in Dubai, including its state of the art dedicated pharma facility at DXB, its freighter terminal at DWC and the connecting bonded trucking corridor between the two airports are certified for EU GDP norms. Since receiving its first GDP certification for its Dubai operations in 2016, the freight carrier has successfully managed to get its recertification every year.

It has also enhanced the protection for pharmaceutical cargo from origin to destination by working with local ground handlers as part of its pharma corridors initiative. Earlier this year, the air cargo carrier inaugurated a new 'purpose built' pharma facility at Chicago airport. Chicago is one of Emirates SkyCargo's most important pharma stations globally for both exports and imports.

### Connecting people to the food they love

Every day, around 1,100 tons of food and other perishable products

originating from different parts of the world move through Emirates SkyCargo's terminals in Dubai. This summer, there was an increase of close to 6,000 tons in the total quantity of perishables passing through Dubai compared to 2017. Close to 35% of perishables arriving at Dubai are destined for the UAE with the rest travelling on to reach global consumers.

For example, the carrier uplifts specialty food produce from Italy including Parmigiano Reggiano and Bufalo Mozzarella cheese from Rome and Naples, Vignola cherries and kiwi fruit from Bologna and Modena, strawberries, fish and clam from the Venice area. In 2018, Emirates SkyCargo flew close to 3,000 tonnes of perishables just from Italy to the Middle East, Australia, New Zealand and other destinations in East Asia.

Emirates SkyCargo also helps local economies through the facilitation of exports of sea food. Since the start of its service to Santiago, Chile, Emirates SkyCargo carried over 4,000 tons of Chilean salmon equating about 20% of the total volume of salmon exports to Asian destinations.

One of the points of origin for perishables for Emirates SkyCargo is India. Every month, around 4,000 tons of fruits, vegetables and other perishables are moved from India on Emirates SkyCargo aircraft.

## WFS invests €10m in new pharma center in Paris

**PARIS:** Worldwide Flight Services (WFS) is scheduled to open this month its €10 million new Pharma Centre at Paris Charles de Gaulle Airport, part of its program to expand its range of services for airline and freight forwarder customers at CDG.

The investment, the only facility owned by a ground handler dedicated to pharmaceuticals at CDG, also includes equipment and supplies for the next 10 years. WFS earlier opened new pharma facilities in Copenhagen, Johannesburg and Miami.

The Pharma Centre offers both landside and airside acceptance capabilities and will be fully GDP compliant when it opens. It will also become IATA CEIV Pharma certified, as part of an initiative launched by Group ADP within the cargo community at Paris-CDG Airport, to fully support WFS' dedicated temperature-controlled service to maintain strict control of the distribution chain, therefore, protecting the quality and integrity of healthcare and life science products.

The 2,400 m<sup>2</sup> dedicated space, located in the heart of CDG airport's cargo area, has its own docks and maneuvering area for the loading and



unloading of temperature-controlled pharmaceutical shipments.

WFS says it is also investing in new digital technology systems to improve operational efficiency and shipment visibility. A new warehouse management system (WMS) supports the use of barcode scanning for real-time storage capacity monitoring and management. This will ensure constant tracking of shipments from the Pharma Centre to and from aircraft with time and date statements available on demand.

"Pharmaceuticals continue to be one of the fastest-growing air cargo products and our airline customers have responded to this opportunity with dedicated products and services to meet this demand. WFS also has a

vital role to play in helping our customers deliver the quality of service they have promised and in ensuring we consistently perform to the high standards required for sensitive, temperature-controlled cargoes to protect their integrity throughout the cool chain," said Hugo Rodrigues, Vice President Cargo France at WFS.

"At a major air cargo gateway like Paris CDG, we believe it is incumbent on ground handlers to invest in the right equipment to handle pharma products. Once again, this demonstrates WFS' willingness to invest in new, state-of-the-art facilities when we see opportunities to benefit our customers and our own business," he added.

## Unilode completes trials for in-flight tracking solution

**ZURICH:** Unilode Aviation Solutions says it has successfully completed testing its ULD tracking solution in collaboration with its strategic partner OnAsset Intelligence.

Unilode says it tested its smartphone app which allows tracking of its Bluetooth equipped ULDs by connecting to an aircraft's commercial Wi-Fi network.

The trial, which was conducted on a flight from Hong Kong to Zurich, demonstrates that the Bluetooth connection between container tag and smartphone is functioning across flight decks. Data transmitted throughout the flight included - besides geolocation - information on temperature, humidity and light in the aircraft's belly.

The proven capability of end-to-end air cargo tracking will open up new avenues in transportation safety by allowing live in-flight temperature monitoring and automated load sequencing control before take-off.

The trial signals also that the non-proprietary Bluetooth® technology selected by Unilode will be able to bring affordable and reliable IoT technology to the world of ULD management.

The global leader in ULD management is currently undergoing one of the industry's largest digital transformation programs and is equipping its fleet of 140,000 ULDs with Bluetooth based tracking devices. Unilode says its customers will benefit from this solution by gaining access to ULD tracking data

and additional information such as temperature and shock records.

"The entrepreneurial spirit of the team at Unilode is amazing to watch. I am proud my team's solution can be used to finally solve the missing links in the air cargo supply chain and to provide true value to customers," said Adam Crossno, OnAsset Intelligence CEO.

Benoît Dumont, Unilode CEO, added: "Unilode's mobile in-flight tracking application is a great example of the co-creation powers between industry leaders. Mobile tracking applications have been offered by a number of ULD service providers since 2017 but have rarely been adopted, because they miss what customers really need: end-to-end transparency at their fingertips."



## ECS Group to open new office in Porto, Portugal



**PORTO:** ECS Group continues with its global network expansion project with the opening of an office in Portugal's city of Porto (OPO) this summer.

Considered a world leader in GSSA, ECS says the move reaffirms its European development strategy and its desire to offer its partners an increasingly close-knit network and global coverage across all markets.

"Opening an office in Portugal was a necessity in order to meet growing market demand on the Iberian Peninsula, to offer even more options to our clients, and, of course, to continue our group's development in Europe," said Sauro Martinelli, Regional Manager Europe at ECS Group.

Based at Francisco Sá Carneiro airport, the ECS Group team, which is formed of three employees and led by Susana Pacheco, will be tasked with setting up the new entity and establishing a long-term presence for the group on the Portuguese market.

"Our on-site team is made up of highly qualified employees who are truly motivated by the challenges that setting up a new office brings. There is no doubt in my mind that they will give their very best and rise to the challenge," added Sauro Martinelli, Regional Manager Europe at ECS Group.

ECS Group has presence in 48 countries with 151 offices. This year, the company carried over 1.183 million tons of cargo on behalf of airlines it represents.

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## Oman Air Cargo optimistic 2019 will end positive for the company despite challenges



**MUSCAT:** Oman Air Cargo is optimistic it will end the year with good numbers despite global economic challenges with statistics pointing to increase in tonnages it hauls across the world.

An important ally of the Sultanate of Oman's economic growth, Oman Air Cargo says the cargo volumes it handled between 2013-2017 grew by 72 percent and is expected to grow further by the end of 2019.

This is anchored on the global air traffic projection increase of 3.8 percent annually with the Middle East/Africa and Middle East/Asia forecast to post the strongest growth.

Oman Aviation Group, along with Oman Air, Oman Airports, Oman Aviation Services and Oman Air SATS Cargo, participated at the four-day Air Cargo Europe in June held in Munich, Germany.

"Air cargo holds the potential to significantly drive Oman's economy," said Shabib Al Maamari, Group Chief Sector Development and Promotion, Oman Aviation Group, "Fisheries are Oman's second largest natural resource, so improving in-country capabilities along the fish supply chain allows us to improve cargo routes to target

new premium markets. Our attendance at industry events such as Air Cargo Europe helps us communicate these opportunities and tell the world we're open for business."

To meet demand, Oman Aviation Group is building a stronger ecosystem by accelerating the development of industrial and logistics clusters.

In 2018, Oman Air SATS opened its new terminal at MCT. Comprising 22,500 square metres at the heart of Logistics Gate, the rapidly developing logistics hub within Muscat Airport City, it combines leading freight management technologies with best cargo industry practices and is equipped with the latest Material Handling System.

The fully air-conditioned terminal, together with its cold room storage facility, ensures that cold chain integrity is maintained throughout the entire handling process—the airport aims to become the first in the world to achieve IATA's Center of Excellence for Independent Validators (CEIV) certification for both Fresh and Pharma.

A similar, entirely new facility in

Salalah features a 100,000-ton capacity and is closely linked to the Port of Salalah via bonded corridor, creating a highly-competitive sea-to-air product enhanced by unique incentives. Similar tonnage capacities are planned for the ports of Duqm and Sohar.

With digital transformation playing a key role in the evolution of air freight, Oman Air Cargo recently launched its latest mobile application designed to enhance the level of servicing for all customers including shippers and freight forwarders.

The airline's new Mobile App was developed in collaboration with QuantumID Technologies, the airline's cargo system solution provider. Oman Air Cargo Mobile App opens a whole new Sales and Distribution channel for Oman Air Cargo business.

At the same time, it empowers Shippers and Clients by providing them with self-service and mobile capabilities (anytime access, from anywhere) for their most used requirements to interface real-time with Oman Air Cargo, including quote, flight schedules, and capacity queries, to real-time bookings and tracking notifications.





## GLOBAL NEWS

## Canada's Cargojet shares surge with Amazon partnership

**TORONTO:** Share prices of Canada's Cargojet Inc. were up \$14.88 to \$105.55 on August 23 morning trading after news broke out it signed a deal with online retail giant Amazon.com to acquire stake in the company which provides overnight air cargo services.

"The commercial relationship the Cargojet team continues to build with Amazon has now allowed us to further strengthen and align our long-term strategic commercial interests," Cargojet Chief Executive Ajay Virmani said in a statement after the deal was made.

Amazon already uses Cargojet's charter aircraft services to move packages from Amazon warehouses to distribution centers for final delivery but the deal would further expand the company's market share in Canada. Cargojet (OTC:CGJTF) continues to trade over \$100 in Toronto Stock Exchange following the announcement. Its 52-week high was pegged at \$109/share.

The Canadian Broadcasting Corp.



(CBC) reported the agreement between the Mississauga, Ont.-based Cargojet will issue warrants to Amazon for variable voting shares that will vest based on milestones of business that Amazon gives Cargojet.

The first tranche will allow Amazon to buy up to 9.9 per cent of Cargojet's variable voting shares at an exercise price of \$91.78 per share. They will vest over a period of six-and-a-half years, with vesting tied to the delivery by Amazon of up to \$400 million in business to

Cargojet, CBC added.

After the first tranche of warrants are fully vested, Amazon could acquire up to 5 percent more of Cargojet's shares if it provides an additional \$200 million in business.

After leasing 15 Boeing 737s to get packages to their destination faster, Amazon announced it plans to increase its fleet to 70 by 2021 within the United States.

Analysts said Amazon's interest on Cargojet signifies its strategy to expand further its presence in North America.





## Virgin Atlantic Cargo and Delta Cargo expand network between UK & USA



Celebrating more trans-Atlantic choice for cargo customers for summer 2020 are Shawn Cole (left) of Delta Cargo and Dominic Kennedy of Virgin Atlantic Cargo. Supplied Photo

**LONDON and ATLANTA:** Virgin Atlantic and Delta Air Lines are boosting flights between the UK and US from next summer, in a move which sees Delta join Virgin Atlantic at Gatwick Airport for the first time together and promises cargo customers their best-ever choice of trans-Atlantic capacity, routes and frequencies.

Gatwick will become Delta's seventh trans-Atlantic destination served nonstop from Boston when flights begin on May 22, 2020. One day before, Virgin Atlantic will launch a daily flight to New York-JFK from Gatwick. Together, the airlines will offer up to four daily flights to three US cities next summer.

Delta's return to Gatwick will mark the first time the airlines have both served the airport since their partnership began in 2014. Customers shipping cargo to the UK from the northeast United States will benefit from a choice of up to 18 daily flights between Boston and New York and two London airports, plus Manchester, Edinburgh and Glasgow.

Beginning March 29, 2020, Delta

and Virgin Atlantic will increase capacity between New York-JFK and London Heathrow. Delta will increase its services to three daily frequencies, with Virgin Atlantic operating five, providing more flight options connecting one of the world's premier trade lanes.

This includes a daytime slot from JFK-Heathrow for the first time, operated by Delta, complementing the daytime Boston-Heathrow and JFK-Heathrow services currently offered by Virgin Atlantic.

Virgin Atlantic's Heathrow-JFK flights will also be the first route served by the airline's new Airbus A350 from September 2019, which will offer a further cargo capacity boost.

Virgin Atlantic is also set to increase flights to important west coast hubs as it ups frequencies from Heathrow to Seattle from seven to 11 per week. Los Angeles will also see services rise from 14 to 17 flights per week, with up to three services per day operating in the busy summer months and will be the second route to be operated by the A350 next year.

## Global animal health company Zoetis joins Pharma.Aero

**BRUSSELS:** The world's largest producer of vaccinations and medicines for pets and livestock, Zoetis, has formally signed up as the newest strategic pharma shipper member of Pharma.Aero, the global cross-industry association for air cargo stakeholders in pharmaceuticals and life science products.

Zoetis joins the group of global pharma shippers—Pfizer, Johnson & Johnson and MSD—in the association, according to Pharma.Aero. "Zoetis is delighted to join Pharma.Aero. The integrity of our physical supply chain plays an important role in how we transport our products," says Rita O'Sullivan, Zoetis' Head of Global Transportation. "Of specific interest to Zoetis is how we can partner with airlines, GSA's and freight forwarders to continually enhance and improve the cold chain service offerings, which are critical to the animal health sector."

Nathan De Valck, chairman of Pharma.Aero, said the group welcomes Zoetis and looks forward to collaborate with its team on enriching projects with global impact.

"The pharmaceutical shippers are at the core of Pharma.Aero's cross-industry collaboration initiative. Therefore, we are very happy to welcome Zoetis into Pharma.Aero and look forward to their active participation in our project groups. We will continue to listen to the expectations of our four pharmaceutical shipper members. We aim to further intensify collaboration with our pharma shippers members in Pharma.Aero," said De Valck.



## GLOBAL NEWS

## Robotics and automation will dominate the future of logistics and warehousing in the Middle East

Digital transformation will majorly disrupt industry streams such as inventory management, cargo loading, order picking, and real-time monitoring of stocks



**Mattar Al Tayer, Director General and Chairman of the Board of Executive Directors of the UAE Roads and Transport Authority (RTA), center, during a tour at the 2019 edition of Materials Handling Middle East.**

**DUBAI:** Robotics, automation and AI-powered systems will dominate the future of logistics industry and warehousing supply-chain as the 4th Industrial Revolution, or Industry 4.0, continues to reshape the Middle East's industrial landscape.

At the 10th Materials Handling Middle East, the region's dedicated biennial trade show for warehousing, intralogistics and supply chain solutions, held Sept 3-5 at Dubai World Trade Center, exhibitors highlighted the latest automated solutions designed to improve operational and cost efficiency, increase production capacity, accelerate customer service and boost competitiveness within a rapidly-evolving logistics sector.

Swisslog Middle East, a global leader in robotic, data-driven and flexible automated solutions, introduced highly-efficient robotized storage and order processing solutions for small parts and pallets that integrates into existing buildings.

"Several businesses in the UAE and globally have benefitted immensely from logistics automation and, particularly in the Middle East, we are seeing increasing demand for

automated logistics solutions in industries ranging from e-commerce and retail, to F&B and pharma," said Alain Kaddoum, General Manager, Swisslog Middle East.

"While automated picking and packing has been around for a while, the next wave of change is being brought about by robotics. A warehouse that deploys robots reduces costs significantly while boosting efficiency," he added.

At the event, Swisslog introduced CarryPick, a flexible and modular AGV-based storage and order picking system designed for multi-channel intralogistics that can fulfil 20 orders simultaneously.

### Automation new key driver

Automation is now a key driver for the full spectrum of industries, including ecommerce. The UAE's e-commerce sector alone is currently worth US\$17.8 billion, representing 45.6 percent of the total value of the Middle East's e-commerce market, according to a Fitch Solutions report.

Materials Handling Middle East organizer Messe Frankfurt Middle East says the frenetic pace of change across the sector means the 2019 edition is shaping up to be the most

highly-anticipated instalment in the event's history.

"Digital transformation in warehousing intralogistics and the supply chain is in overdrive and we've sought to create the best platform for the early adopters and major disruptors to display services and solutions that will undoubtedly improve productivity, efficiency and more across warehousing, intralogistics and supply chain," said Simon Mellor, CEO of Messe Frankfurt Middle East.

### Growing market

World Bank's 2018 Logistics Performance Index ranked the UAE 13th out of 160 countries, outstripping Canada, France, Finland, Denmark and Australia.

A white paper issued on the sidelines of Materials Handling Middle East by Aranca, a global research and advisory firm, suggests that with ironed-out roadblocks and increasing technology take up, the MENA's e-tail segment could register a compound annual growth of around 25 percent to 2023 to reach US\$34 billion in value.

The growth forecast will have an expansionary impact on materials handling, logistics and warehousing in the region according to 6WResearch, another analyst, which says these segments will attain a compound annual growth of 5.4 percent to 2025 reaching a value of US\$69.2 billion.

The show and forum take place against a transformational industry background with E-tail, a mix of domestic and cross-border purchases, now comprising 65-75 percent of the overall e-commerce market the Middle East and North Africa (MENA) and logistics revenues for transport, warehousing and freight forwarding, accounting for 20-25 percent of overall e-tailing.

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## GLOBAL NEWS

## Volga-Dnepr Group restructures amid cargo decline



**ULYANOVSK, RUSSIA:** Volga-Dnepr Group, which is made up of three air cargo carriers—AirBridgeCargo Airlines (ABC), Volga-Dnepr Airlines (VDA) and ATRAN airlines (ATRAN)—says it is restructuring its management amid decline on sales volume and profit attributed to world economic uncertainties and overcapacity.

Volga-Dnepr said the total cargo volume of the three freight carriers decreased by 6% during the first half of 2019 to 2,586,382 freight ton kilometers, which is 20% below expectations and budget.

"Decrease of the world cargo

market, overcapacity and operational hurdles prevented the Group's businesses profitability. The Group's Board of Directors has taken the decision to introduce restructuring plan, aimed at quality enhancement, cost reduction and development of specialist services," the company said in a statement.

The Group thanked its customers and partners saying the restructuring of the management team will streamline the process, thereby, increase the operational effectiveness of the companies under its wing.

As part of restructuring, Nikolay Glushnev has been appointed as

General Director of AirBridgeCargo. He has more than 14 years of experience in air cargo sector and held various positions within ABC up till Director, Operations. His key focus will be to restore ABC customers' confidence.

Volga-Dnepr Group has been at the market for more than 29 years offering comprehensive logistics solutions, both chartered and scheduled, for the most challenging projects. Its diversified fleet of 41 freighters (12 An-124-100, 5 Il-76TD-90VD, 18 Boeing 747F, and 5 B737F) deliver cargo for customers in the aerospace, energy, oil and gas, humanitarian, among other industries.

Air France-KLM and Kuehne + Nagel create first direct system-to-system connection in the industry. Seamless connectivity and enhanced reliability via API integration. Step towards the digitalisation of the airfreight industry.

## Kuehne + Nagel and Air France KLM Martinair Cargo team up on e-booking project

**SCHINDELLEGI/CH, AMSTERDAM/NL:** Kuehne + Nagel and Air France KLM Martinair Cargo (AFKLMP Cargo), two leading players of the airfreight industry, announced they have joined forces to improve integration of their electronic booking processes.

The companies said their e-booking merger concept enables total host-to-host connection through application programming interface (API) allowing for a system-based, integrated and interactive match between available capacity and demand.

This is the first time an airfreight carrier and a global logistics provider create a direct system-to-system connection that transforms manual quotation and capacity booking process into a digital automated solution, fostering collaborative

relationships and next-generation supply chain practice.

The two firms said customers will benefit from a seamless experience with AFKLMP Cargo's full

digital offering, including ad-hoc quotations, capacity availability inquiries, dynamic pricing and real-time e-booking functionalities. Following the successful proof of concept, both companies have agreed to further develop the solution and to start the roll-out in Europe and South Asia Pacific.

"The successful conclusion of our proof of concept with Air France KLM Martinair Cargo is a further step forward in eTouch, Kuehne + Nagel's digital transformation process and initiative to offer a seamless digital customer journey. Thanks to the new interface, we increase speed, accuracy and efficiency – to the benefit of our airfreight customers all over the globe," said Yngve Ruud, Member of the Managing Board of Kuehne + Nagel, responsible for airfreight.

Marcel de Nooijer, EVP Air France-KLM Cargo and managing director of Martinair, adds: "At Air France KLM Martinair Cargo, we keep innovating to provide connected and tailored solutions to our business customers around the world. In this context, enriching Kuehne + Nagel's in-house systems with our digital services is another step towards the digitization of our industry."



## Ethiopian Cargo now flies to Bangkok and Hanoi

**ADDIS ABABA:** Ethiopian Cargo & Logistics Services launched on August 16 its weekly freighter service to Bangkok and Hanoi, giving Thai and Vietnamese exporters one-stop access to the 60 plus African destinations that Ethiopia's national airline serves.

Ethiopian Group CEO Tewolde GebreMariam said the company's new cargo service to the capital cities of Thailand and Vietnam will supplement the daily belly-hold cargo capacity of Ethiopian Airlines for better cargo transport between the continents.

"The commencement of these flights makes Ethiopian the first African carrier to operate cargo flights from Bangkok, and will also create better opportunity for Thai and Vietnamese exporters to have a one-stop access to the 60 plus African destinations Ethiopian serves. The freighter flight will also link Bangkok and Hanoi to Europe, Asia, Middle East and the Americas," the CEO noted.

Operating next generation freighters and with Africa's largest trans-shipment terminal, Ethiopian Cargo and Logistics Services facilitates



the export of perishables, garments, mining products, and the import of high value industrial products and inputs, pharmaceuticals, among others across its global network.

By 2025, Ethiopian Cargo & Logistics Services envisions to become a full-fledged profit center of Ethiopian Airlines Group with annual revenue of US\$2 billion, 19 dedicated aircraft, annual tonnage of 820,000, and 57 international destinations.

Eight years into the strategic roadmap of the aviation group, Vision

2025, Ethiopian Cargo has reached 57 international destinations with award-winning cargo and logistics services.

Ethiopian is currently implementing a 15-year strategic plan called Vision 2025 that will see it become the leading aviation group in Africa with six business centers: Ethiopian International Services; Ethiopian Cargo & Logistics Services; Ethiopian MRO Services; Ethiopian Aviation Academy; Ethiopian ADD Hub Ground Services and Ethiopian Airports Services.

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## GCC commissions railway passenger and freight traffic study as alternative to air and sea routes

**DUBAI:** A comprehensive railway passenger and freight traffic forecast for the GCC region in the Middle East has been commissioned as Gulf countries find alternative ways to haul people and cargo other than sea and the air.

Software solutions market leader for traffic and logistics sectors PTV Group says it will work with Khatib & Alami to implement GCC Railway passenger and freight traffic forecasts study, including the development of the GCC wide model in PTV Visum software.

PTV Group said the project will ensure a more efficient way of transporting passengers and goods, by providing a comprehensive passenger and freight rail traffic forecast update.

"We will work to provide passenger and freight traffic forecasting with the support of PTV Group software and modeling expertise for the GCC Railway by the Cooperation Council

of the Arab States of the Gulf-Secretariat General (GCC-SG). PTV Visum software will be used to model the current conditions of the transport network for the GCC countries including traffic distribution and volumes across the different modes and transport links," said Ramadan Harb, Vice President, Khatib & Alami.

The GCC Railway will be a regional integrated interoperable railway catering to the multi-modal transport needs of the region, linking all the Gulf states and will serve as an alternative to air and sea travel for both cargo and passengers.

"Once fully established, this network will connect all GCC countries, offering an integrated transport platform for freight and passenger services. The GCC network will be a game changer for daily commuters, offering hub to hub transit services, and for logistics



operators providing efficient multimodal long haul connectivity," said Andrea Petti, Managing Director, PTV Group, India, Middle East & Africa (IMEA).

Traffic analyses and forecasts using PTV Visum will empower transport planners and operators to make key decisions such as where in the network shall the lines run, how can they be connected and the frequency of lines. This will ensure a more efficient way of transporting passengers and goods.

## time:matters launches 3 new Sameday air stations in Japan, Singapore and Thailand

**NEU-ISENBURG:** Global special speed logistics expert time:matters has added another three stations in Japan, Singapore and Thailand following the seven locations recently opened in China as it continues to pursue its internationalization strategy.

time:matters customers now have access to 84 weekly direct flights between the European hubs in Frankfurt, Munich and Vienna and the three new destinations.

With the new locations in now a total of 10 Asian business centers – Tokyo (NRT), Singapore (SIN), Bangkok (BKK), Shanghai (PVG), Shenyang (SHE), Beijing (PEK), Nanjing (NKG), Qingdao (TAO), Chengdu (CTU) and Guangzhou

(CAN) – time:matters is further expanding its presence in Asia and increasing its network density for the fastest possible global connections.

time:matters is now offering transports of time-critical shipments between the new stations and existing Sameday Air locations in Europe, Israel, the US and Mexico with the usual high level of reliability and precision.

Urgently required goods shipments can be collected and cleared through customs on the same day and reach their required destination in the unique Sameday Air network within the shortest possible time thanks to especially fast handling times starting at 90 minutes and transit times at the European hubs up from 45 minutes.

"The expansion into the Asian market is a key element of our internationalization strategy and will help us to considerably extend our global quality promise and product range," added Alexander Kohnen, CEO of time:matters GmbH. "This is a logical step for us following our expansion into China and a response to the specific needs and requirements of our international customer base."

Customers involved in the automotive, high-tech and semicon, medtech, and machinery and components sectors worldwide in particular will benefit from the new destinations, which will allow them to avoid or mitigate potentially expensive supply chain disruption.

# 8th Caspian Air Cargo Summit 2019

October 8-9, 2019 | Fairmont Baku Flame Towers Hotel | Baku, Azerbaijan

The 8th Caspian Air Cargo Summit 2019 is the largest and most comprehensive aviation event in the region, bringing the international air cargo market leaders to Baku. Focus will be on unlocking the potential of the Silk Road Initiative for airlines, airports and the air freight industry in general.

## PROGRAM Highlights

- Global Market Outlook – Challenges and Opportunities
- One Belt – One Road
- Airports Role for the Silk Road Initiative
- CIS Air Cargo Market Update
- E-Commerce – What's Next?
- Latest Trends in Perishables Logistics
- Innovation in Logistics & Supply Chain

## Prominent speakers include:



**Jahangir Askerov,**  
President, Azerbaijan Airlines



**Zaur Akhundov,**  
President, Silk Way Group



**Vladimir Zubkov,**  
Secretary General, TIACA



**Glyn Hughes,**  
Global Head of Cargo, IATA



**Wolfgang Meier,**  
President & CEO, Silk Way West Airlines



**Wilson Kwong,**  
Chief Executive, HACTL



**Steve Townes,**  
CEO, ACL Airshop



**Bruno Sidler,**  
Group COO, Lonrho



**Max Sauberschwartz,**  
SVP Starbroker, DHL Global Forwarding



**Elena Konkina,**  
Dep. General Director – Commercial Director, Moscow Cargo



**Nidjat Babayev,**  
Sr. Vice President, Sky Gates Cargo Airlines



**Youssef Beydoun,**  
Head Cargo Business Relationships, Dubai Airports



**Thomas Crabtree,**  
Market Analysis-Air Cargo, Boeing



**Varun Visruthan,**  
Sales Manager, ALS Logistic Solutions



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## Dubai one of top 5 shipping centers in the world

**DUBAI, UAE:** For the second year in a row, Dubai has made it to the top 5 in the 2019 Xinhua-Baltic International Shipping Centre Development (ISCD) Index, an independent ranking of the performance of the world's largest cities that offer port and shipping business services.

Singapore has consistently topped the list since the Index was established six years ago. London, Hong Kong and Shanghai and Dubai rounded up the top 5 global shipping centers.

In the six years since the report has been published, there has been a general rise in the performance of Asian and Middle Eastern locations.



Based on objective factors including port throughput and facilities, depth and breadth of professional maritime support services, as well as general business environment, the report is a collaboration between the Chinese state news agency, Xinhua, and international freight benchmark provider, the Baltic Exchange. WAM



**BAAR, SWITZERLAND:** CEVA Logistics has reinforced its reputation in the global energy sector with the renewal of its contract with Borr Drilling for an additional year to the end of August 2020.

Borr Drilling is the market leader in international drilling contracting to the oil and gas exploration industry and CEVA has been its logistics partner since its inception in 2016. The company owns and operates jack-up rigs of modern and high-specification designs providing drilling services worldwide in water depths up to approximately 400 feet.

The global scope of CEVA's Rig Hub logistics concept located in Houston, Aberdeen, Amsterdam, Singapore and Dubai combined with its global operational governance have been the key differentiator for Borr in the extension of the contract.

"There were a number of key highlights to this contract retention including CEVA's overall value proposition, our consistency in managing Borr Drilling's

## Borr Drilling extends CEVA Logistics contract for another year

operational needs and our ability to react and support during emergencies and out of hours," says Marcelo Franceschetti, CEVA's Executive Vice President Global Energy Sector.

"We have delivered a number of specialist logistics services serving both rig supplies and project cargoes across the globe and we are delighted to continue our partnership with Borr Drilling for another year," he adds.

CEVA's extensive energy industry competencies include oil & gas, mining, EPC (Engineering, Procurement and Construction) and renewal energy. It offers a full spectrum of freight management and contract logistics services which can include project cargo and out-of-gauge for both air and ocean shipments. Reverse logistics, turnkey project management and heavy lift are all key part of its energy expertise.





# American Airlines Cargo Connecting the world with innovative solutions

By Gemma Q. Casas



With innovations and hard work, AA Cargo has evolved to being one of the world's leading air freight carriers. In the United States, it holds the record as having the youngest fleet, part of its conscious effort to help stave off the world's growing environmental problems amid looming threats of climate change. ●

**American Airlines Cargo prides itself in transporting approximately more than 100 million pounds of goods on a weekly basis to hundreds of cities across continents. That translates to nearly 7,000 flights every day to some 324 airports. Its global impact is undoubtedly very significant with countless lives and businesses intertwined in the process.**

Formed in 1930 through the union of some 80 small airlines, the Dallas, Texas-based American Airlines traces its roots to having World War I surplus planes to having the most sophisticated aircraft in today's modern world. It holds the global record as the first airline to introduce scheduled air cargo service and the first to apply air cargo tariff based on density, volume, value and perishability.

With innovations and hard work, AA Cargo has evolved to being one of the world's leading air freight carriers. In the United States, it holds the record as having the youngest fleet, part of its conscious effort to help stave off the world's growing environmental problems amid looming threats of climate change.

In an exclusive interview with **Air Cargo Update** in Munich, Germany on the sidelines of Air Cargo Europe 2019, the amiable AA Cargo President Rick Elieson shared his thoughts and insights on the company's policies, products and services and its growing responsibility in connecting businesses around the globe amid a volatile political and economic environment.

A company veteran who rose from the ranks, Elieson began his career at the Japanese Desk of American's DFW Reservations Office in 1994. He has been at the helm of running AA Cargo since 2017 and a year since then, the company reaped record growth.

Now, Elieson is steering the company's more than 6,000 employees to greater heights through innovations, new business strategies

and goals as the company approaches its 90th year in the industry. Read on the rest of our interview in this Q&A.

**American Airlines is considered the largest airline in the world and you obviously make a huge impact on the lives and livelihood of many people across the world that rely on your services. How is the company taking this role?**

More than 50% of Americans fly each year. That is a massive responsibility when you think about all of the business deals that are closed, the loved ones that are reunited, or holidays that are enjoyed. We make the world a smaller place, and bringing people together and caring for them on life's journey is core to who we are.

The impact we have on the lives of the other 50% of people who do not get on an airplane is less apparent, but no less important. Our role in cargo allows us to care for them too. IATA estimates that 35% of the world's trade – as measured by value – is moved via air cargo.

That means that beyond the thousands of jobs that American Airlines Cargo creates, we are helping to deliver the things that matter most in people's lives. It ranges from simple things like the blueberries that were on my salad last night to more meaningful items like the vaccines that allow my children to safely congregate and attend school this week.

Joining me for dinner last night was a friend who lost his dear wife to cancer a little over a year ago. Advances in personalized medicine and the way in which medical research and development occurs is now crossing borders and dependent on reliable and speedy service that scheduled air cargo provides, increasingly similar to the way modern manufacturing crosses borders throughout its production. We are proud to be part of the changing shape of healthcare and the advances of that industry to improve and save lives.

It is a virtuous cycle as cargo is also a meaningful contributor to the bottom line at American Airlines. This is particularly true when you think about our international network. We closed 2018 with record operational performance, volume and revenue. We



Rick Elieson

**"We're currently making significant investments in technology with the development and upcoming implementation of our new iCargo system. The first phase of this modernization journey will be introduced this fall, and will continue to roll out into 2020. The investment in iCargo and the accompanying evolution in how our team can serve customers is our organization's largest investment in our history — allowing us to improve our products and increase our capacity for customers."**

- Rick Elieson, President, American Airlines Cargo

take our role very seriously and we are recognized as an integral part of the airline as a whole.

I am especially encouraged by the progress we're making for the future in the foundational areas of our business—such as growing our fleet, modernizing our technology, investing in our team members and really listening to customers and making changes to meet their growing demands. That will pay dividends for years to come.



## COVER STORY



**As far as CSR is concerned, how do you reach out to communities on a global scale? Please elaborate.**

As the world's largest airline, we're proud to give back in the communities where our team members and customers live and work. We focus our efforts in three main areas that our team members have said are most meaningful to them:

**Our heroes:** Supporting U.S. military members and honoring their devotion to the ideal of liberty and freedom

**Our well-being:** To improve safety and wellness, and bring hope to patients anywhere in the world

**Our social good:** Meeting the needs of global citizens by improving stability, sustainability, health and care

Our team members do great work in their communities through volunteering, charitable giving and community outreach. Last year, team members donated more than 155,000 volunteer hours and as a result we donated more than 20 million miles to local charities on their behalf. American also proudly supports nonprofit organizations that work to make a difference in communities and provide assistance to eligible nonprofits.

Our customers also have a history of giving generously to the causes we support, and we are proud of our loyalty programs that allow customer to give with miles.

Within Cargo specifically, we focus on supporting Cystic Fibrosis Foundation and St. Jude Children's Research Hospital. Our cargo team

members organize fundraisers, participate in events, and donate funds to these charities.

**AA Cargo is big into perishables. Please share with us some of the products that the company carry across continents as well as facilities and expertise used to keep them fresh en-route to their final destinations.**

Perishables can cover a multitude of areas. One significant product we continue to see is fresh fish. Last year, I had the opportunity visit a salmon farm in Chile for one of our key customers and learn first-hand about that business – from breeding to how they raise the fish, to how they are processed and how we can best partner with them to protect that investment and improve our services. That was a fascinating and educational experience, and helped me appreciate what a privilege it is to be part of transporting such a staple item.

In general, Latin America is a huge export market for perishables. From mangoes in Peru to papayas in Brazil, worldwide demand continues to rise and we continue to seek new ways to provide this market segment with solutions that are valuable to them. Perishables are a product that really benefit from our immense network, particularly during peak holiday seasons where we are well-equipped with our wide-body aircraft to handle the flux in demand.

We recognize that for perishable shipments like seafood, fruits, flowers and berries, time and temperature are

of the essence, so we employ state-of-the-art equipment to ensure the freshness of perishables along their journey.

**On top of the temperature-controlled containers and refrigeration facilities we have throughout our network, we have a day-of-departure team that actively monitors flight times and temperatures along the way to make sure these sensitive shipments get delivered fresh off the plane.**

Another key area is pharmaceuticals. We offer various cooling solutions to customers with our ExpediteTC<sup>®</sup> product, and we constantly review and evolve our offering based on input and demand. The product includes service features and benefits, dedicated infrastructure, enhanced tracking technologies, and temperature-controlled containers. Our goal is to ensure this product remains nimble enough to accommodate new customer requirements while also meeting the demands of an increased regulatory environment. It is something in which our team takes great pride in helping to make possible.

In addition, we have a flagship, purpose-built pharma facility at Philadelphia International Airport (PHL) where we have made significant investments and commitments to the pharmaceutical and healthcare industries.

We also have infrastructures positioned across the world at many locations including Dallas-Fort Worth International Airport (DFW), John F. Kennedy International Airport (JFK), Miami International Airport (MIA), San Juan Luis Muñoz Marín International Airport (SJU), Heathrow Airport (LHR), Charles de Gaulle Airport (CDG), and Frankfurt Airport (FRA).

**Please briefly describe to us the following markets in terms of importance for AA Cargo: United States, Middle East, Latin America, Canada, Africa, Asia-Pacific and Europe.**



As the world's largest airline with a vast global network, of course, all markets are important to us. One destination is no more important than another – rather, it is our ability to connect the world with fast, reliable service that makes us special. We're here to serve our customers and meet their individual needs.

Obviously, the USA is home market, and we carry cargo on both wide body and narrow body flights within the USA. Our narrow bodies and their frequency of service are ideally suited to accommodate the ever-growing eCommerce business which predominantly consist of small parcels.

Latin America is another important market for us as we operate the largest number of wide-body frequencies from the U.S. to that region. Brazil and Argentina are particularly significant in this regard and we have remained committed to these markets throughout their economic ups and downs.

Europe has long been another key market for us with cargo operations at London Heathrow, Paris and Frankfurt, and a growing range of other cities now served year-round or seasonally. We recently announced new direct routes from our U.S. hubs to locations including Krakow, Prague, Budapest, Tel Aviv and Casablanca beginning in 2020.

Asia is especially dear to my heart and I'm happy about our long-standing operations in China, Japan, Korea and Hong Kong. We're encouraged by the two new slots at the Tokyo Haneda Airport (HND) for service beginning in 2020. Those slots include a daily DFW-HND flight using a 777-200ER, and a daily LAX-HND flight using a 787-8. That's in addition to our more recent services from Los Angeles to Australia and New Zealand.

**American has the youngest fleet in the industry and we understand the company is acquiring more planes. What's the latest on this and its potential impact to your business?**

In April 2018, we announced an order for an additional 47 B787-8 and -9 aircraft which are scheduled for delivery between 2020 and 2023. They are designed to replace our A330-300 and B777-200 aircraft and provide a



**Please share with us new innovations and tech advancements recently introduced at AA Cargo. Please elaborate.**

We continue to focus on improving our customer service. In such a fiercely competitive business it is sometimes difficult to point to the returns of investing in the customer experience, but I'm convinced that is the right lens for anyone who wants to remain in business long term, and I think our customers should expect no less.

We're currently making significant investments in technology with the development and upcoming implementation of our new iCargo system. The first phase of this modernization journey will be introduced this fall, and will continue to roll out into 2020.

The investment in iCargo and the accompanying evolution in how our team can serve customers is our organization's largest investment in our history — allowing us to improve our products and increase our capacity for customers.

The advancements will include a revolutionized operating system and platform for innovation which will significantly enhance the customer experience so that our internal team and our customers can grow faster,

together. It is exciting to see how investments like this will help to shape the industry over the next several years.

**There's been a lot of talk about climate change, how serious is American in addressing this issue through the services it provides?**

American is committed to safeguarding the environment, and we are doing all we can to proactively minimize our impact – recognizing that the success of our efforts will affect future generations. That's why we're pursuing a goal to cut our CO2 emissions in half over the next 30 years, and Cargo plays a major part in the pursuit of this goal.

We are being aggressive and believe it is imperative that we can chart a course for success in what is increasingly a resource-constrained world. Our efforts—in the air and on the ground—to operate more sustainably are also in line with the expectations of our team members, customers and shareholders.

One example of this is with our aircraft. Our fleet renewal program is retiring older models for more fuel-efficient aircraft, and we've brought on 500 new planes since 2013 – making our fleet the youngest U.S. fleet in the industry. We're burning less fuel, reducing emissions and cutting energy costs. The new models are also quieter, improving passenger comfort and reducing the impact of noise on communities near airports where we operate.

## Gateway to Eurasia



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**COVER STORY**

Another example is through optimizing arrival times, reducing aircraft weight and implementing sustainable and commercially viable alternative jet fuels (SAF) to achieve greater fuel efficiencies that reduce emissions.

Over the past four years, American reduced emissions by nearly 6.4 million metric tons of CO<sub>2</sub>e compared to where we were in 2014. And while better air quality in our skies is improving, we've procured new ground support equipment that meets or exceeds emission guidelines on land as well. At the end of 2018, more than a quarter of our GSE fleet was either electric or used lower emission propane.

**Please tell us more about the company's environmental initiatives and your goals relevant to this.**

The demand for air transportation is expected to nearly double by 2036, according to IATA. As this demand grows, so too will related environmental risks, costs, and externalities.

To combat this and prepare for the increase in demand, American has an environmental management system (EMS) that provides a systematic approach for complying with environmental regulations and mitigating the risk for potential issues.

As part of our audit process, Environmental Coordinators at each location perform regular self-audit and inspections to ensure we are exceeding environmental regulatory standards. In addition, American's Environmental Department performs much larger and more in-depth audits of our largest locations. In 2018, American performed 10 of these audits.

When we build a new facility, or upgrade existing facilities, we use environmentally friendly construction practices, including seeking Leadership in Energy and Environmental Design (LEED) standard certification.

From a cargo perspective more specifically, we are also fully committed to the industry's eAWB initiative. We're actively working to achieving a 100 percent eAWB usage from all of our customers. We also



deploy more than 7,500 reusable, lightweight composite cargo containers that reduce weight and save more than 1 million gallons of fuel every year. Our stations recycle roughly 85,000 pounds of shrink-wrap every year — the equivalent to 1.2 million water bottles.

**We understand that the company is also exploring the use of alternative fuels. Kindly share with us the latest on this initiative.**

In October 2013, the United Nation's International Civil Aviation Organization (ICAO) signed a landmark agreement to cap emissions from international aviation at 2020 levels, with carbon-neutral growth thereafter. American supports this industry-wide goal and the collective process by which it will be implemented.

As we work toward ICAO's vision of carbon-neutral growth post 2020, we also challenge our partners to help us achieve this goal. Government investment in existing and NextGen air traffic control are vital, as is ongoing research and innovation by suppliers

of our aircraft, engines and related components. Most importantly, the global aviation industry as a whole needs continued support to develop low-carbon alternative fuels.

**What sort of embedded image would you like AA Cargo to have in the public's consciousness in terms of its services and environmental impact?**

Many people are unaware of the significant impact that air cargo has on the quality of their life. They take it for granted. I'm OK with that. I actually believe that is a compliment and a testament to the smooth and efficient way in which we serve the world's needs.

Every time I walk through a cargo terminal, I swell with pride at the positive difference we make in the world. Not for me, not so that people give us any more credit for it – but I wish more people were more aware of the impact air cargo has only because I believe it would increase their gratitude for the things they consume, and appreciation for the way our lives are interconnected around the globe.



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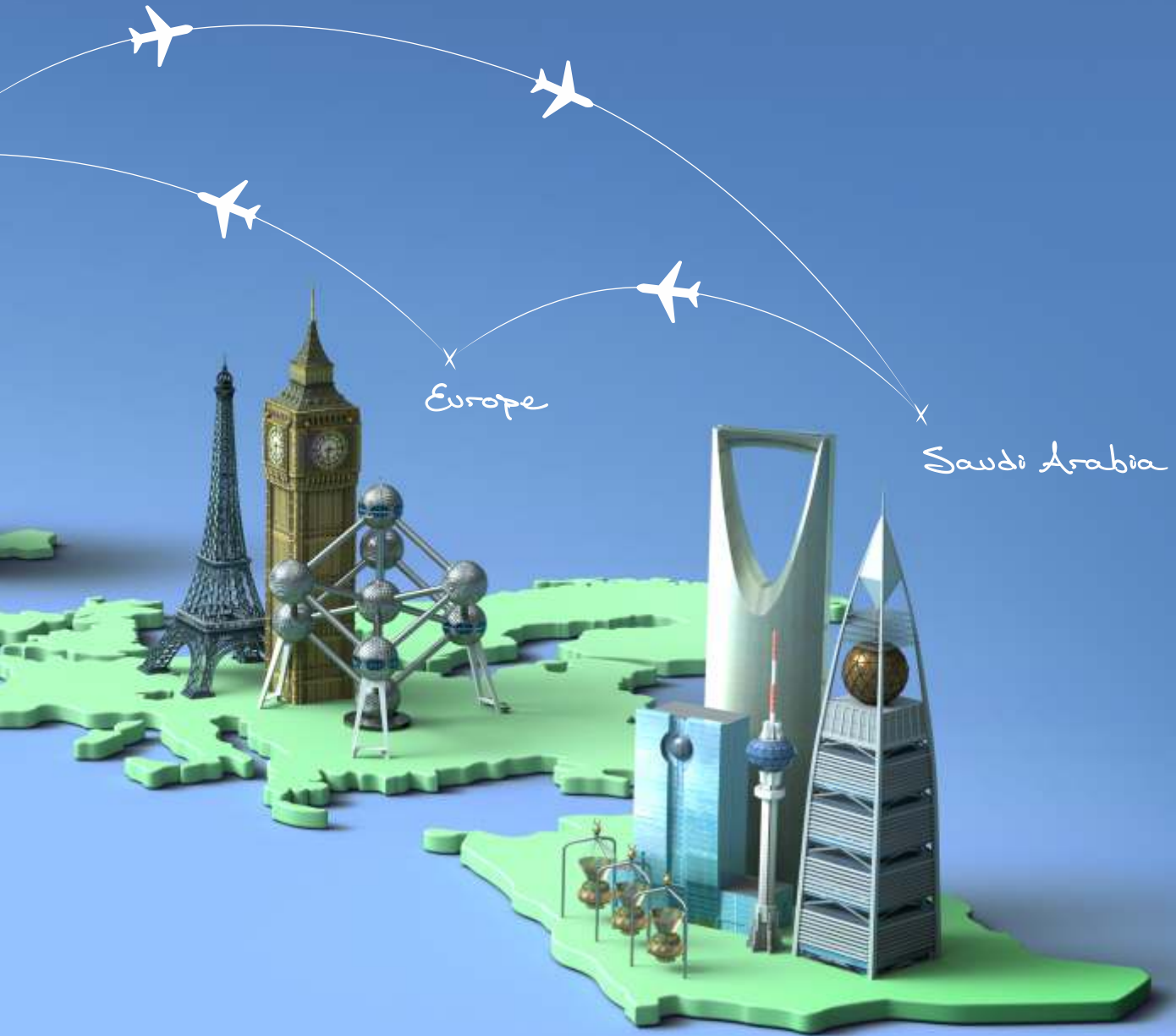
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# Moving time-sensitive cargo in India

India's over \$300 billion logistics market is growing rapidly. CriticaLog is one of the first companies to get into the niche logistics segment



CriticaLog was incorporated in 2013 and it started commercial operations a year later. It has fast spread its wings across India amid growing demand for efficient supply chain management solutions for different kinds of products.



In India, the logistics sector is fast evolving from a fragmented/disorganised segment into a pragmatic and dynamic industry with several players leading the change.

Experts and analysts largely attribute this to the impact of e-commerce (online retail sales) and on-demand delivery start-ups such as Dunzo, Freshmenu, Zomato, etc., making the logistics industry more transparent and dynamic.

And niche players are emerging in the complex logistics sector catering to specific segments like the time-sensitive and temperature-sensitive market.

Taking the lead here in India is CriticalLog, a Bengaluru-based supply chain management firm which focuses on critical logistics.

The products it transport could range from electronics to life-saving drugs. The criticality of movement is determined based on the emergency of delivery or the way it is transhipped by any mode of transport.

Co-founder and CE of CriticalLog Sujoy Guha states, "Our system provides shipment details and activity tracking with pro-active event exception alerts. Apart from the standard features 'eCritica' allows for innovative IT Solutions that are vital for critical logistics operations."

Some of the features are updates and alerts via email and SMS. It also offers multiple tracking identifiers such as Shipper, PO, Goods Receive Notes, IDs, invoices, verification for delivery accuracy, scanned POD images, ease of connectivity with the customer's ERP system and Android tablets for remote data entry and barcode scanning.

#### **Differentiated logistics solutions**

Guha underlines the importance of time-sensitive cargo. "For years, the end-consumer had not tried to assess differentiated logistics solutions for time-sensitive cargo. They used to go with the normal bulk cargo, mainly due to lack of differentiated network and handling capabilities," he said, thus, began the need to set up a company that clearly focused on this



niche segment.

CriticalLog was incorporated in 2013 and it started commercial operations a year later. It has fast spread its wings across India amid growing demand for efficient supply chain management solutions for different kinds of products.

CriticalLog is funded by 'LoGon Investments', created by the founding family of Gondrand, a global logistics company present in Switzerland since 1902. Gondrand Holding AG is active in 3PL, warehousing, customs clearing, and supply chain management.

#### **Pan-India warehousing facilities**

"We have our own warehousing facilities in city centres as against others which have their facilities out of city limits. This helps us have a quick turnaround in terms of emergencies like ATMs crashing, need of a critical part for an airliner, need of a very important and critical medicine for a patient, among other situations," Guha explained.

"We are currently working with over 300 brands and ship their time-sensitive, price-sensitive critical cargo. We operate with a hub-to-hub model along with strategic stocking, located at city centres. Our end customers get faster response. We have established 17 strategic stocking centres at city centres with an average floor space of 4,000 square feet."

#### **'Hub to hub' model**

CriticalLog offers faster pick up and distribution operations for Tier I and Tier II cities with emphasis on direct network deliveries using owned and dedicated resources.

Its fundamentals are clear critical

logistics vision and planning; process oriented and disciplined; innovative, efficient and user-friendly IT backbone; easy access to skilled and experienced logisticians; trusted network, safe and secure; result oriented and customer-focused and excellent coverage across India.

The total landed cost is lower as there is inventory cost savings. Also it is 'Hub to hub' as against 'Hub and spoke', wherever commercially possible.

It has highly flexible and scalable first mile and last mile operations, configured for speedy deliveries across customers, customized network to arrange critical deliveries on demand.

Its specialisation is critical handling of precious and high value merchandise – packaging, armed and secure transport, special handling by airlines, insurance and personal hands-on management at every step of the movement of the goods.

**CriticalLog lays emphasis on safety and security of products and the Safe Hubs have safes and cages; CCTV surveillance; armed protection; GPS monitored vehicles etc. It uses innovative and proprietary IT technology to track and trace on real time on Google maps, monitor major hubs and vehicles across the country remotely at a centralized Command Centre.**



## FEATURE



The company's focus areas include a) precious logistics (high value and precious metals and gems, gold and silver jewellery covering major metro, Tier II and III cities) b) exhibition management (full logistics responsibility for complete and timely forward and reverse movements) and c) Inventory management (secured cross docking solution involving secured forward stocking locations, vaulting services and CCTV monitoring).

Guha said in the company's efforts to provide comprehensive logistics solution, it has tied up with leading insurance companies that gives substantial fidelity and legal liability insurance covers for unforeseen losses. It also arranges economical transit marine insurance on a transactional basis, on demand basis.

**Close relationship with airlines**

CriticalLog's air service is built on the platform of flexible domestic flight schedules offered by leading commercial airlines.

"Our close relationship with the airlines, on-demand pick-up, controlled network, process orientation at every stage - overlaid with rigorous security cover - makes this service truly unique and customized," said Guha.

Critical Air provides an express

mode of transport, aimed at highly critical shipments. Currently, it covers domestic time sensitive service, such as, specialized handling for spares and components, ensuring timely, accurate and intact air express deliveries.

It also provides solutions to higher value e-commerce products, where expectations from all ends surpass normal courier delivery, both in service and monetary gain.

Critical Air services span the full range for this product category and include – domestic time sensitive and efficient reverse logistics. It is planning to roll out global critical logistics operations shortly, starting with short haul operations in Asia.

**Healthcare and bio-pharma growing segments**

Another important segment that it caters to is healthcare and pharmaceutical products which require controlled storage and transit conditions to protect their quality and distributors are required to record temperature data during the entire product life cycle.

Low and high-risk products such as vaccines, insulin and blood products, normally require storage in either ambient, frozen or chilled conditions.

This entails concise handling processes of Shipper packed units and

use of temperature-monitoring devices, as needed, to demonstrate compliance with the laid down guidelines and records submitted. CriticalLog has mastered this process.

Critical Life is all about ensuring fast, safe and secure transportation of time and temperature sensitive healthcare products between manufacturers, clinics, hospitals, diagnostic laboratories and research centers.

It is also about comprehensive door-to-door service that includes ground pick up, express air and ground delivery with global healthcare standard and logistics process quality, tailored to individual client needs.

It has standard operating procedures (SOPs) for a range of life science products including blood samples, stem cells, clinical trial kits etc. It provides detailed transport schedules to meet required window of operations for individual investigating sites, besides providing assistance in import permits, ministerial clearances etc.

**Rush hour**

CriticalLog has another service called 'Critical Special' where 'Rush' deliveries (2 hour/4 hour/Next flight out/next business day); reverse logistics, smart inventory management and smart packaging for secured products.

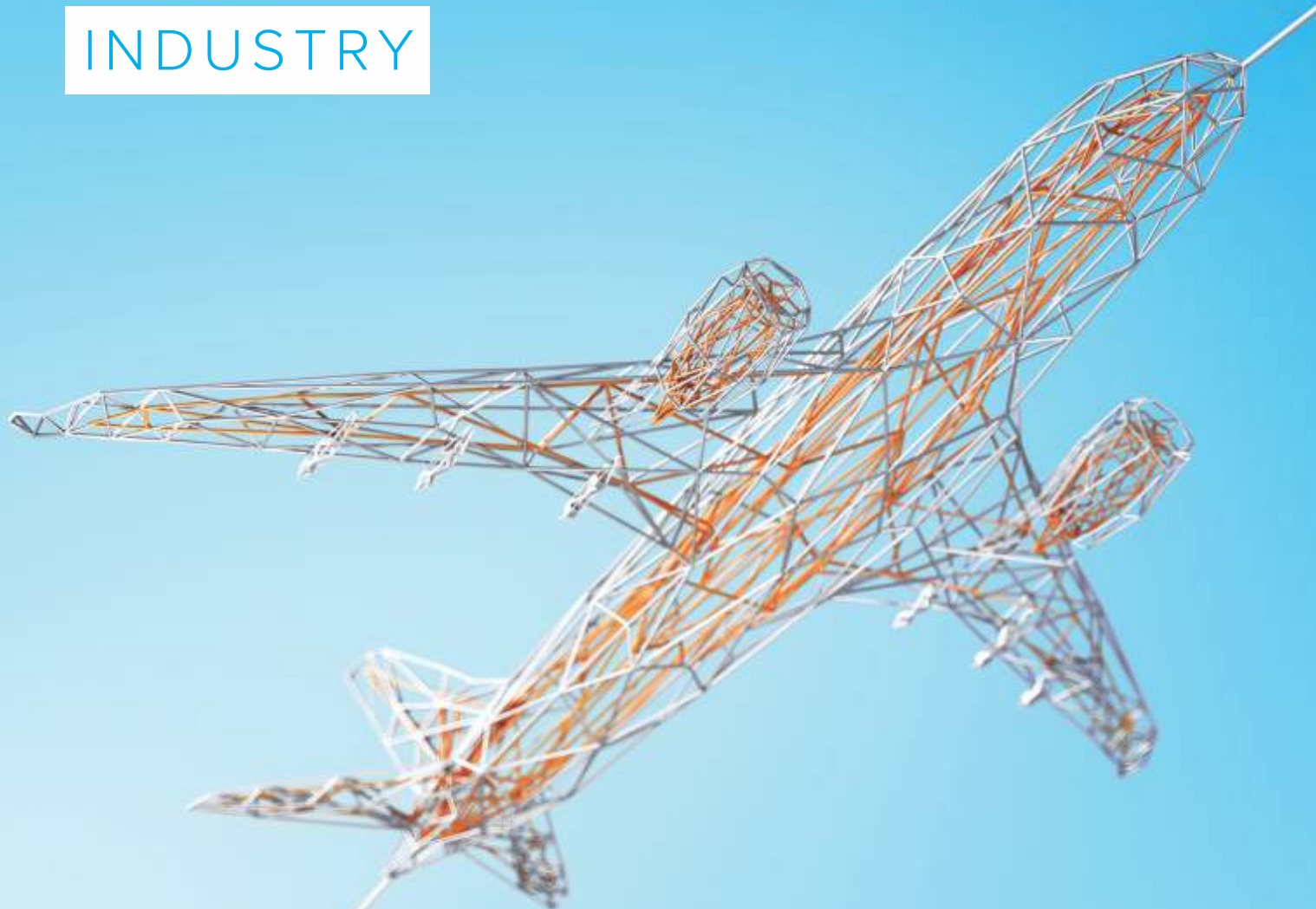
"Our skills, experience and personal involvement helps in improving logistical efficiency and reduce overall costs for the client. CriticalLog offers innovative and customized logistical solutions that allows the companies to focus time and effort on its core business, while we manage the logistics."

The company has set trends and understands that the market is really huge in India, driven totally by consumer dynamics. At present, the country's logistics industry is worth \$300 billion and is estimated to grow at a CAGR of 12.17 percent by 2020, according to the 'Logistics Market in India 2015-2020' by market

# CONNECTING

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# Singapore's First BiodiverCity Project: Bolloré Logistics Blue Hub

An icon of new sustainable architecture, Blue Hub features an advanced energy-management system, which taps on the capabilities of the Internet of Things (IoT) devices to make predictive building analyses. Further initiatives include a storm-water recycling system, energy and water consumption monitoring, a photocell sensor for harvesting daylight, a food digester for a zero-waste cafeteria, and chemical-free landscape management.



**W**ith freight movement accounting for up to 8% of greenhouse gases emitted into the atmosphere, the industry does impact the environment, according to a study by logistics professor Alan McKinnon of Kühne Logistics University (KLU).

With dire consequences awaiting our planet should the emission rise just a little higher, the need to create sustainability through innovation has become a hot topic in the logistics industry and the race to decarbonize logistics operations is underway.

The KLU's research findings affirm that investing in Green Logistics or sustainable solutions can be affordable and yield a rapid return on investments, yet the challenge lies in tailoring a solution that achieves the world's complex environmental,

operational and economic needs.

In an email interview with **Air Cargo Update**, Bollore Logistics Singapore Pte Ltd., Bollore Logistics's main office in the Asia-Pacific Region since 1983, explains how its new hub combines sustainable development with innovation.

#### **The Blue Hub**

Bolloré Logistics, a major player in international logistics and supply chain management which ranks as among the top 10 largest groups within the sector with 120 offices in 19 countries, recently unveiled Blue Hub, its newest investment in Singapore.

It is recognized by local environmental agencies as an achiever in Green Technology and sustainable solutions, attaining awards such as the Green Mark

**Bolloré Logistics, a major player in international logistics and supply chain management which ranks as among the top 10 largest groups within the sector with 120 offices in 19 countries, recently unveiled Blue Hub, its newest investment in Singapore.**



Platinum and BiodiverCity Award, while earmarked to receive the LEED Gold Certification. It features an amalgamation of technology and eco-friendly solutions to achieve sustainability.

**The new state-of-the-art facility is equipped with fully integrated automation solutions that improve storage flexibility, productivity and efficiency. As a projection of their core values, Blue Hub is built with a strong focus on sustainability, innovation, and employee centricity in mind.**

With intentions to show Blue Hub as an icon of new-generation

sustainable architecture, it is equipped with top-of-line technology such as the multi-shutter system for optimizing storage density while ensuring optimal inventory location; and an energy efficient 43 meter tall Spiralveyor capable of energy savings up to 87%. Integrated with Goods-to-Person (GTP) system, operations at Blue Hub guarantees optimum order fulfillment accuracy.

Blue Hub features an advanced energy-management system, which taps on the capabilities of the Internet of Things (IoT) devices to make predictive building analyses. Further initiatives include a storm-water recycling system, energy and water consumption monitoring, a photocell sensor for harvesting daylight, a food digester for a zero-waste cafeteria, and chemical-free landscape management.

### Home to Innovation

Blue Hub is also home to B.Lab, a regional innovation platform with the aim of developing value-creating solutions & sustainable technologies through cross-sector collaboration. Its aim is to accelerate the digitization of the supply chain by supporting all innovation initiatives, from ideation to go-to-market phase.

Focusing on the needs of their customers in the context of the Digital revolution, their current initiatives are led by four disruptive technologies – Block Chain, Artificial Intelligence, Robotics and Internet of Things through a pragmatic innovation program, design thinking approach, and a global collaborative network and innovative ecosystem.

Bolloré Logistics intends to support the local government's



Smart Nation agenda by contributing to this innovation ecosystem, working with local universities to train young minds on creative thinking and the creation of logistics solutions.

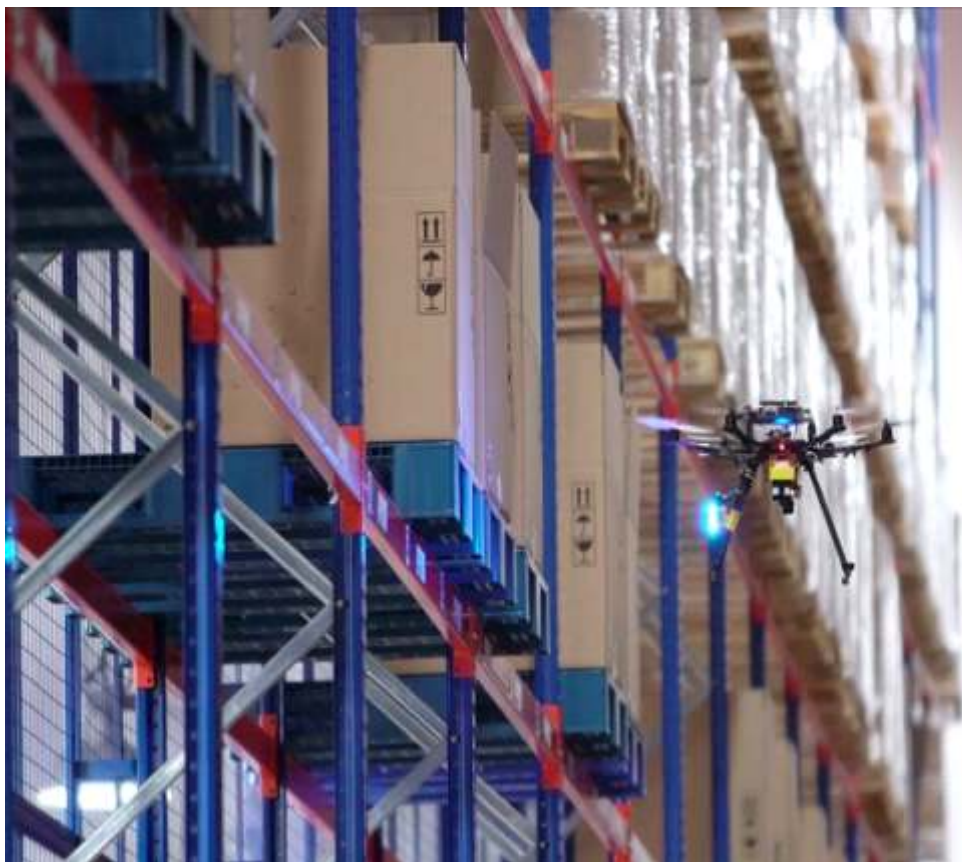
### **Powering Sustainable Logistics**

Since 2012, Bolloré Logistics has built several hubs based on environmental demanding certifications. In 2018, this sustainable investment policy is advocated further by ensuring that any new construction throughout the world, and whatever its size, will be based on an environmental certification.

**The company is moving towards a new economic model that bears greater corporate responsibility, in terms of ethical business conduct and environmental expectations associated with their industry. Their belief is that sustainable consumption is a shared responsibility among those involved.**

**It is within this context that they have launched the “Powering Sustainable Logistics” program. This program aims to boost the environmental and social awareness of Bolloré Logistics employees at every stage of the supply chain operations.**

As a leading player of logistics development in more than 100 countries, Bolloré Logistics wants to accompany its clients in achieving



sustainable, international growth, and to underline its commitment to sustainable global trade.

### **A win-win proposition**

The major challenges presented by climate change calls for a global mobilization to seek sustainable means to improve the lives of the current and future generations. This results in a paradigm shift in attitude towards sustainability, causing companies to redouble their green efforts.

Being a central component that connects entities within the supply chain, the transportation and logistics sector plays a pivotal role in radiating sustainable development along the chain. With a common reduction target defined, it sets the stage for the connected stakeholders to transit together into the low-carbon business economy.

By incorporating sustainability initiatives in their operations, it enables Bolloré Logistics to provide eco-responsible transportation and

logistics solutions in response to their customers' needs.

The company involves carriers and partners in processes, and incorporates environmental data in their decision-making tools for freight purchases. Environmental performance targets are set with customers, as the company continuously strives to improve their approach through their feedback.

Staying true to their corporate vision to foster “People-Powered Innovation”, Bolloré Logistics ensures that all efforts to drive sustainable logistics development are performed in consideration to the safety and needs of their employees. While technology may be the heart of their logistics performance, the company recognizes that the added value of women and men, who optimizes the daily work to deliver tailored and customized solutions for the most extraordinary challenges, is the fundamental driver of innovation.

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# Hydrogen-powered trucks: Is it the future?



Arizona-based Nikola Motor Company to partner with leaders from Carnegie Mellon University, Northeastern University and Georgia Institute of Technology on fuel cell technology research as company races to build 14,000 preordered Hydrogen-powered trucks.

**E**lectric powered trucks and other vehicles are gaining more momentum amid a quest for a more environment-friendly global transport industry. In Europe, more and more diesel-powered freight trucks are gradually converting to hybrid or electric-powered engines. In the United States, hydrogen-powered trucks could be the future to achieve the country's zero-emissions mandate over the next decades.

The Arizona-based Nikola Motor Company, a startup company founded in 2014 in Salt Lake City, Utah by self-made young entrepreneur Trevor Milton, is leading up this emerging new breed of trucks with pre-orders of 14,000 valued at billions. Its first biggest client, beer-maker Anheuser-Busch, ordered 800 class 8 zero-emission trucks as part of its sustainability strategy. The trucks are due for delivery in 2020.





## TRUCKING

**Hydrogen Powered Trucks**

Nikola Motor says Hydrogen fuel cells have been powering space shuttles since the early 1960's and that NASA has funded more than 200 research contracts exploring fuel cell technology, bringing it to a level now viable for the private sector. In all, Hydrogen has more than 80 years of industrial use as a nonirritating, nontoxic and noncorrosive source of energy.

**Nikola Motor says Hydrogen has the same benefits of electric vehicles as they use the same electric motors (more horsepower, instant torque, zero emissions, etc.) while eliminating many issues derived from battery electric vehicles (long recharge times, limited range, cold start, added weight, etc.).**

The company says the Heavy Duty fast-fueling with hydrogen it is developing with an industry consortium has a unique HD Hardware, standardized to fill in less than 15 minutes, similar to diesel today.

"With an estimated range of 500-750 miles (1,200+km) between fill

ups, you can take the Nikola Truck as far as diesels and more than twice the distance of comparable battery only vehicles. With the Nikola Trucks and our Hydrogen Fueling Station Network, there is no need to worry about range.

"Heavy Duty Fuel Cell Trucks produce no emissions (only water). The Hydrogen fuel can be produced from a variety of renewable sources. Nikola will utilize solar power at our stations supplemented with grid power.

"Hydrogen is 14x more buoyant than air and dissipates and escapes more rapidly than any other fuel, so in the unlikely event of an accident, hydrogen will instantly rise high into the air and disperse out of harms way."

**Grant to advance the research**

In August, the U.S. Department of Energy awarded the Phoenix company a \$1.7 million grant to advance its research. "This award provides an opportunity for the highly talented Nikola team to leverage expertise in academia and exceptional resources within the DOE Fuel Cell Consortium for Performance and Durability to accelerate a breakthrough that will benefit the entire hydrogen and fuel cell industry and community," said Jesse Schneider, executive vice president,

Hydrogen & Fuel Cell Technologies, Nikola.

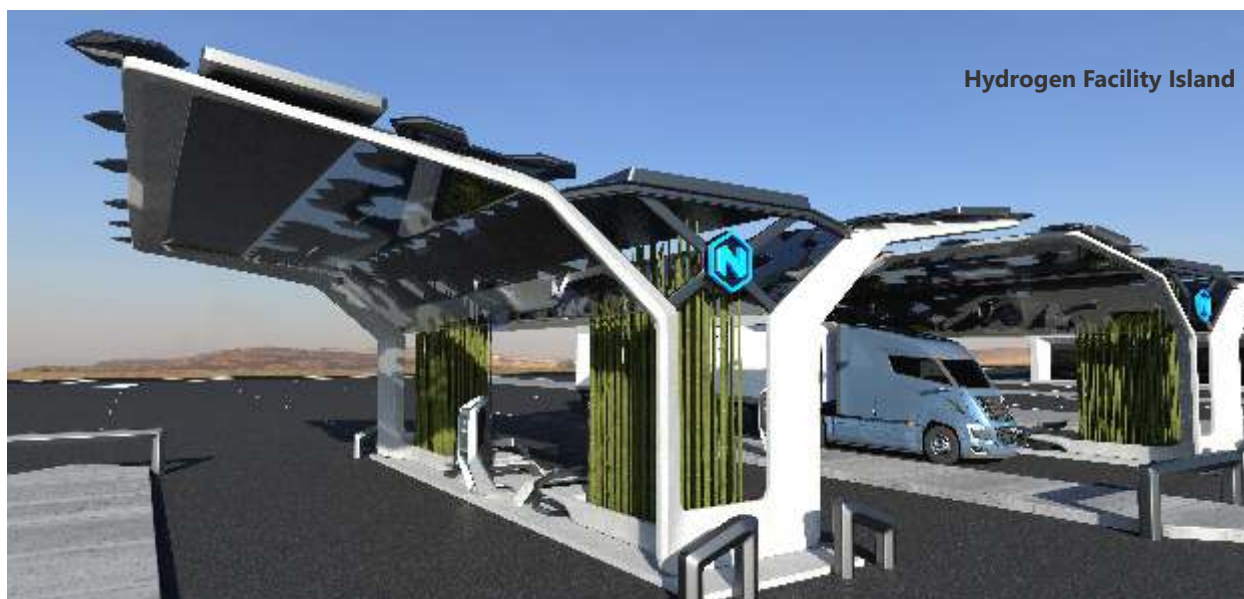
The joint grant was funded by the US Department of Energy's Energy Efficiency and Renewable Energy (EERE) Transportation Office under the recently announced FY19 Commercial Trucks and Off-Road Applications FOA.

Nikola is pursuing a new approach and unique MEA architecture to satisfy the high-power output and durability requirements of heavy-duty applications with its academic partners: Carnegie Mellon University Prof. Shawn Litster, Northeastern University Prof. Sanjeev Mukerjee and Georgia Institute of Technology Prof. Younan Xia.

In this project, Nikola will bring together advanced concepts in catalysts, ionomers, proton exchange membranes, and gas diffusion layers within a robust MEA by using appropriate, scalable fabrication methods.

Nikola's hydrogen station partner NEL Hydrogen of Oslo, Norway was also awarded US\$2 million award from the DOE. Nikola executives are serving as the technical lead on that project as well.

There are currently more than 14,000 Nikola class 8 trucks on order. The Nikola trucks feature up to 1,000 horsepower and 2,000 ft-lbs of



torque. Nikola recently announced a battery-electric vehicle option for the urban, short haul trucking market. Nikola's trucks will be manufactured in Coolidge, Ariz. Testing will begin on Arizona roads this year with full production expected in late 2022.

#### **A peek to the future**

Nikola Motor unveiled the trucking industry's hydrogen-powered vehicles of the future in April at the Nikola World event held at WestWorld of Scottsdale.

"We want to transform everything about the transportation industry," said Milton. "With Nikola's vision, the world will be cleaner, safer and healthier."

The first product unveiled was the autonomous-capable Nikola Reckless, the military all-terrain vehicle that was driven on stage via remote control.

"With virtually no sound and no heat signature, the Reckless provides new meaning to stealth and is defying all standards," said Andrew Christian, Nikola Powersports vice president of business development and defense. "We believe all military vehicles will transform to battery electric and hydrogen fuel cells in the future."

As part of the evening, Arizona Governor Doug Ducey discussed Nikola's contribution to Arizona's

growing economy, adding 2,000 new jobs at their Phoenix headquarters, planned manufacturing plant and hydrogen and fuel cell R&D center.

Milton and Nikola Powersports President Michael Erickson highlighted how Nikola is transforming zero-emission recreational vehicles on land and water.

"The technology and platforms we are developing are mutually beneficial helping us leverage speed to market and scale," said Erickson. "With our powersports products, you have an experience that is safer with precise control and a near silent ride that heightens your senses."

Milton and Erickson then introduced the redesigned NZT. Attendees at the event will be able to ride in the NZT Off-Highway Vehicle (OHV) on a closed course track at WestWorld on Day Two of Nikola World on April 17.

Then, for the first time, Nikola World attendees saw the Nikola Water Adventure Vehicle (WAV) concept which has been teased for some time and is now a reality. Jordan Darling, vice president of Nikola Powersports and an industry pioneer in the electrification of personal watercraft, said "We at Nikola are creating the world's first "wake board "

architecture, which enables us to push the limits in design and propulsion."

"Nikola is bringing zero-emission sustainability and technology to the water," added Milton. "With WAV, you can feel the rush of power and acceleration in your chest, with the sound of the water and breeze in your ears. It's zero impact and pure fun," Darling added.

Nikola's Executive Vice President of Hydrogen Jesse Schneider, discussed Nikola's hydrogen fuel cell vision. The vision consists of the world's first purpose-built fuel cell Class 8 truck, enabling more hydrogen storage, optimized placement of the powertrain, and a robust 70MPa hydrogen fueling network. "We recently opened our first hydrogen station at our Phoenix headquarters. We are leading the way and working with industry and other OEMs to develop hydrogen standards to enable fueling in less than 15 minutes. The goal is safety and interoperability, so that anyone can fuel at our station. This is a big deal," he said.

For the European market, Nikola President Mark Russell and Milton unveiled the never-before-seen Nikola Tre with its clean, contemporary design. "With a range between 500 and 750 miles depending upon load, this gorgeous



## TRUCKING

vehicle will have fast hydrogen fueling in under 15 minutes, even in Europe," said Russell. "Think about Europe with no more diesel trucks," said Milton. "The roads will be clean, quiet and beautiful."

All of the Nikola products have been built for the future with autonomous driving hardware in place.

At the conclusion of the night, Milton reflected on the small, but mighty, team that started Nikola five years ago in his basement with an idea. "We now have five products in development that will change transportation for the better," he said.

Nikola envisions to build 700 hydrogen stations across the United States by 2028.



## Trevor Milton: The social entrepreneur bent on changing the trucking industry's future

Trevor Milton is an epitome of success by any standards. He believes in possibilities and opportunities & technology as the future.

The founder of Nikola Motor Company never finished college but went on to build a successful business career, including setting up five startups. One of which was dHybrid Systems LLC, a natural gas storage technology company which was acquired by America's largest steel providers, Worthington Industries, Inc.

The 36-year-old Milton, a Mormon, credits his family for encouraging him to become the best that he could possibly be despite the odds. He lost his mother at an early age from cancer but that tragic family crisis

helped build his character and his dreams.

"[I] had to learn to survive as a family with a mother who was bedridden and a father who had to go to work 4-5 hours away. It was very tough, the toughest time of our lives, but I wouldn't trade it for the world," Milton told [www.trucking.com](http://www.trucking.com) recalling his early life with his brother and three sisters.

Milton, a Mormon, spent 18 months in Brazil as a missionary before moving to Puerto Rico to study Spanish. He formed his first business in 2003.

Before Nikola was formed, he spent the last 7 years in the class 8 truck industry, focusing on recalibration of diesel engines and



Trevor Milton

emissions, then moving into storage of high pressure natural gas & hydrogen.

Milton is also the author of several patents and has helped advance green technologies through his years of industry experience.



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## AIRLINES

## Etihad Airways celebrates 15 years in India

**ABU DHABI:** The UAE's national airline, Etihad Airways, is celebrating in September its 15 years of service to its largest and busiest market, India, which today has 159 return flights between Abu Dhabi and 10 key Indian cities.

Since launching operations to the sub-continent, Etihad has carried more than 16.5 million passengers on its Indian routes, the airline said.

India is also an important strategic source market for Etihad Cargo which operate dedicated freighter flights to Delhi, Mumbai, Bengaluru and Chennai. Over the past decade, some 560,000 tons of cargo were hauled to and from India mainly consisting of general cargo, garments, perishable products and electronics.

The airline's milestone coincides with the third visit to the UAE of India's Prime Minister, Narendra Modi, highlighting the importance of the partnership between the two countries.

Etihad launched daily flights between the UAE capital, Abu Dhabi, and the Indian city of Mumbai in September 2004, within the airline's first year of operation. Three months later, flights were also launched

between Abu Dhabi and New Delhi.

Etihad currently operates 159 return flights per week between Abu Dhabi and 10 key Indian gateways - Ahmedabad, Bengaluru, Chennai, Cochin, Delhi, Hyderabad, Kolkata, Kozhikode, Mumbai and Thiruvananthapuram - and through its Abu Dhabi hub, the airline connects each of these gateways to international destinations throughout the Middle East, Europe, the Americas, and Africa.

"India and the United Arab Emirates share a long and strong economic, cultural and diplomatic relationship, and Etihad Airways connects these nations to each other, and beyond. We serve more destinations in India than any other country in our network, and connect India to the world via Abu Dhabi," said Etihad Airways Group CEO Tony Douglas.



"Globally, we employ more than 4,800 Indian nationals, almost 25 percent of our workforce. We contribute strongly to both economies, and last year spent US \$151 million with 480 companies in India. Our commitment is significant, and will continue to grow," he added.

Etihad's offering in the India market continues to evolve. The airline is continually increasing flights and adding newer, larger aircraft, including its latest addition, the Boeing 787 Dreamliner, which serves cities including Mumbai, Delhi, and Hyderabad.

## First of EgyptAir's new 12 A220-300 completes inaugural test flight

**MIRABEL, QUÉBEC, CANADA:** The first of the 12 A220-300 planes that EgyptAir has ordered has successfully completed its inaugural test flight from the Mirabel assembly line and is due to be delivered to the Cairo-based airline in the coming weeks, Airbus announced.

Airbus said the A220 for EgyptAir will provide passengers with superior comfort with innovative cabin design featuring the widest economy seats of any single-aisle aircraft and panoramic windows for more natural light. The aircraft which is outfitted

**The first A220-300 for EgyptAir successfully completed its maiden flight from Mirabel, Canada airport. Image Credit: Airbus**



with a brand new cabin layout of 134 seats, will now enter its final phase of completion before delivery.

The A220 delivers unbeatable fuel efficiency and true wide-body comfort in a single-aisle aircraft. The A220 brings together state-of-the-art aerodynamics, advanced materials and Pratt & Whitney's latest-generation PW1500G geared turbofan engines to offer at least 20%

lower fuel burn per seat compared to previous generation aircraft. With a range of up to 3,400 nm (6,300 km), the A220 offers the performance of larger single-aisle aircraft.

More than 80 A220 aircraft are flying with 5 operators on regional and transcontinental routes in Asia, America, Europe and Africa, proving the great versatility of Airbus' latest addition.

## Emirati pilots at Emirates fly to 5 continents on Emirati Women's Day

**DUBAI, UAE:** To mark this year's Emirati Women's Day (August 28, 2019), five talented and passionate Emirati first officers at Emirates airline helped put the spotlight on women in aviation, and the advancement of women in the UAE, by flying to five continents on the same day.

Emirates released on social media platforms a video on how the women literally spread their wings and send a message of inspiration from the UAE to the world.

"Emirati women are icons of tolerance, exemplifying the core values held by our community via their care, determination, ability to nurture future generations, and pursue success in their various fields of work. Their hard work and talent have helped build our company and nation, and I'd like to take this opportunity to thank all Emirati women for setting new benchmarks and continuing to make us proud," said His Highness Sheikh Ahmed Bin Saeed Al Maktoum, Chairman and Chief Executive, Emirates Airline & Group.

Emirati women continue to make their mark in the aviation industry. In the Emirates Group, more than



1,100 Emirati women are employed across diverse functions. Their professions span a myriad of roles across the company, from operational departments like Flight Operations and Engineering to frontline roles at Emirates Airport Services, Commercial Sales and Customer Affairs, to corporate functions like HR, Group IT, Finance and Commercial, amongst others.

## Turkish Airlines adds Mexico City and Cancún to its growing route network in the Americas



**Turkish Airlines Chairman of the Board and the Executive Committee M. İlker Aycı, center, celebrating the joyous moment with other airline officials, guests and staff.**

**ISTANBUL:** Turkish Airlines has launched scheduled flights to Mexico City and Cancún increasing to 19 the routes that Turkey's national carrier serve in Central America.

There are three flights a week going to Mexico City and Cancún via the Istanbul-Mexico City-Cancún route. With these flights, Turkish Airlines adds Mexico, the biggest country in Central America, to its flight network, thus, offering a connectivity opportunity to a greater area from Istanbul Airport.

"We continue to expand the borders of our flight network within the framework of our growth strategy. Following Bali, we are happy to be able to connect these two important cities of Americas to 125 countries around the world. From this day forth, our guests traveling to Mexico City and Cancún will be able to fly with the comfort of Turkish Airlines. We believe our new flights will strengthen the ties between Turkey and Mexico in every way," said Turkish Airlines Chairman of the Board and the Executive Committee M. İlker Aycı during the press briefing following the routes' inaugural flights.

Once the homeland of the Mayans and the Aztecs, Mexico City, the capital of Mexico, carries the signs of the first civilizations of Americas dating back as far as 2000s BC. It has over 150 museums, drawing tourists from all over the world.

Contributing significantly to the economy of Mexico with its tourism income, Cancun hosts approximately 4 million tourists every year with its over 150 hotels. Apart from swimming, diving, and other fun activities, its history, cuisine and Underwater Museum makes it an ideal place for those who want an unforgettable holiday.





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## Air BP expands carbon offsetting program to 2 airports of Voa São Paulo

**LONDON:** Air BP, the international aviation fuel products and services supplier, has expanded its carbon offsetting program to two airports in Brazil—Jundiaí and Amarais—

which the Brazilian private airport administration consortium Voa São Paulo manages.

Air BP highlighted the expansion of its pioneering carbon offset program for business aviation in Brazil during the largest business aviation conference and exhibition in Latin America, LABACE, held from August 13 to 15.

"We are very proud of this new collaboration with Voa São Paulo. Our carbon offset program, which complements our existing focus on customer service and safety in operations, is a significant step towards making Brazilian business aviation more sustainable," said Ricardo Paganini, General Manager, Air BP South America.

Air BP launched its carbon offsetting offer for business aviation in Brazil in 2018. Its first customer, business aircraft management company



Avantto, offset more than 1,000 tons of carbon emissions from June 2018 to May 2019 – the equivalent of 1,588 trips from São Paulo (SP / HBR) to Angra dos Reis (RJ) or the carbon that could be captured by almost 73,000 adult trees.

The agreement with Avantto has been renewed for another year, enabling customers to offset the emissions related to the fuel supplied to the company by Air BP.

This builds on initiatives by Air BP in other regions, such as their collaboration with leading on-

demand jet charter marketplace Victor in a carbon-offset program for private flying in Europe, as well as the ability for operators and pilots who use the RocketRoute MarketPlace app to offset the carbon associated with their fuel purchases.

The Air BP carbon offset program is run via BP Target Neutral. Projects within the BP Target Neutral portfolio have been assessed on the basis of their contribution to reducing carbon emissions and their potential to support the UN's sustainable development goals.

## Planet 9 adds Gulfstream G550 to its charter fleet



**LOS ANGELES:** Planet Nine Private Air ("Planet 9"), the Van Nuys, California based private charter operator and aircraft management company, has added Gulfstream G550, to its managed fleet.

Planet 9 said the private plane was added to its AOC in July and is now ready for charter. The Gulfstream G550 joins a G650, from the same private owner, which went on to Planet 9's

AOC for private and third-party charter flights in June. The G650 has performed a number of flights since service introduction

including several trips to the Mediterranean, Fiji, and Australia.

Configured with 16 luxury seats, the latest Gulfstream G550 boasts a 6,037 nm range, suitable for journeys up to 14 hours' flying time. With a three-zone cabin, giving clients' the versatility of space to work, rest and sleep, both Gogo and KA-band Wi-Fi plus a wide selection of onboard movies adds to the flying experience.

"We are delighted to be adding a second managed aircraft for a private owner inside six weeks and just after our first birthday," said Matt Walter, Co-Founder of Planet 9. "We have expanded our operations and client support team accordingly in readiness for the Gulfstreams, as well as taken on more hangar space at Van Nuys Airport. We are very proud to be offering a dedicated management division, with a different, popular aircraft type.

Planet 9 offers charter flights worldwide. The company typically flies corporations, family offices and UHNWs from the West and East Coasts of the USA to destinations including Europe, Russia and the Middle East.



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## Silk Way Airlines buys towable passenger stairs from TBD as part of Azerbaijan's airport upgrade



**BRIDGEND, WALES:** Silk Way Airlines bought 18 sets of towable passenger stairs from British firm TBD as part of general upgrade for Heydar Aliyev International Airport in Baku which coincided with an additional requirement for the Europa Cup final staged in the city.

TBD, the British manufacturer renowned for professionally engineered ground support equipment and specialist access solutions for the global aviation industry, said the total order is worth

over £500,000.

In addition to towable passenger stairs, TBD said it has recently supplied a significant quantity of baggage trailers, container dollies and pallet dollies for Silk Way's ground handling needs.

"TBD was competing with numerous global suppliers from US, EU and the Middle East for this contract, but Silk Way was focused on improving quality as well as sourcing a manufacturer that could deliver on-site training and engineering support," said Jonathan

Attfield, Sales Director of TBD.

"We delivered the first sets of stairs in May and our own engineers set up and commissioned the immediate need for ten sets for the Europa Cup final. Full training was provided to the Technical Team at Silk Way Ground Handling so they can complete the building of the remaining units and commission into service themselves. Delivering partially assembled units reduced road transport costs which was also beneficial for the customer," he added.

TBD said its sales grew over 30% in the last 12 months, centered primarily on ground handling equipment such as its new range of towable passenger stairs, baggage trailers and award-winning cargo dollies, can be attributed to many factors but primarily customers worldwide.

## Malaysia Airports kicks off Digital Airport Initiative at KL International Airport

**KUALA LUMPUR, MALAYSIA:** Malaysian Prime Minister Tun Dr. Mahathir Mohamad, the world's oldest serving state leader at 94 years old, tested new biometric passenger processing system at the KLIA Main Terminal as part of the airport's 21st anniversary celebration held recently.

SITA the global IT provider to the air transport industry, and Malaysia Airports have signed a Memorandum of Understanding (MOU) for exploring joint opportunities and collaborative innovation for Malaysia Airports' digital initiatives.

As part of the celebrations, SITA Smart Path was showcased. It uses facial biometric ID management technology to automate the travel journey from check-in to boarding. Once registered, travelers need to only have their faces scanned without having to produce documents at every stage of their journey.

The technology is designed to easily integrate into existing airport and airline infrastructure, including standard common-use systems,



**Malaysian Prime Minister Dr. Mahathir Mohamad, center, at the KLIA Main Terminal testing the new biometric passenger processing system that Malaysia Airports will install across the country's airports.**

check-in kiosks, self-service gates for secure access, and boarding.

"We are honored to be a long-term strategic partner of Malaysia Airports, and pleased to showcase Smart Path and embark on a collaborative innovation initiative at KL International Airport. We look forward to the next project with Malaysia Airports as we work together to constantly seek ways to enhance service levels and elevate the

customer experience at the airport," said Sumesh Patel, SITA President, Asia Pacific.

Malaysia's air passenger traffic is set to grow 4.9% in 2019, up from 2.5% last year. In 2018, Malaysia Airports launched the "Happy Guests, Caring Hosts" Service Culture Transformation Program, designed to portray Malaysia as a developed country with a first-world service culture.

# Aero MRO India Aerospace & Defence 2019

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## EVENT HIGHLIGHTS

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## Transform handwritten notes into digital text in PDF or word format with Samsung Galaxy Note10



**DUBAI:** Samsung Gulf Electronics recently launched in Dubai the most powerful device in its Note series with Galaxy Note10 which can transform handwritten notes into digital text that can be saved in PDF or word format, premium grade

camera and video, new security features, among other advance tech systems to help users make the most of every moment.

Samsung said Galaxy Note10 is inspired by a generation

that flows seamlessly between work and life, the Galaxy Note10 gives users the freedom to work the way they want and showcase their creative spirit, all on-the-go.

Tarek Sabbagh, Head of IT & Mobile (IM) Division at Samsung Gulf Electronics, said: "Whether they're viewing and editing documents and presentations, watching a favorite show or playing games, Galaxy Note10 will help them do it faster and better. Packed with exciting upgrades, the Galaxy Note10 is a testament to our commitment to provide the consumers with a powerful device that helps to bring their new ideas to life with productivity, performance, design and creativity tools, as well as offering them a connected experience across our portfolio of products."

The new device comes with a new sleek, slim sophisticated design. Its fingerprint security feature has been enhanced to detect fake from a real one.

### Here are Galaxy Note10's unique features:

**Two Sizes:** For the first time ever, the Galaxy Note comes in two sizes, a 6.3-inch and 6.8-inch Cinematic Infinity Display which features the award-winning Dynamic AMOLED display making photos and videos are brighter than previous Note devices

**Handwriting to Text:** The Galaxy Note10 brings a powerful new capability to the re-designed, uni-body S Pen. Now, users can jot down notes, instantly convert their handwriting to digital text in Samsung Notes, and export it to a variety of different formats, including Microsoft Word. Users can now customize notes by shrinking, enlarging, or changing the color of the text. In just a few taps, meeting minutes can be formatted and shared; bursts of inspiration can quickly become editable documents.

**Evolution of the S Pen:** The S Pen now also supports intuitive gesture recognition with S Pen Air Actions so that you can always be completely in control. S Pen Air Actions let users take pictures, zoom in and out and switch camera mode with a simple gesture, as well as change content and volume in multimedia apps and manage PowerPoint presentations with ease and without the need of touching the device.

**Samsung DeX for PC:** The Galaxy Note10 extends Samsung DeX's capabilities, making it easier for users to work between their phone and a PC or Mac. With a simple, compatible USB connection, users can drag and drop files between devices, and use their favorite mobile apps with a mouse and a keyboard, while keeping their data secure on their phone through Samsung Knox.

**Link to Windows:** The Galaxy Note10 integrates Link to Windows directly into the Quick Panel. With one click, users can connect to their Windows 10 PC. There, they can see notifications, send & receive messages, & review recent photos without pausing to look down at their

phone.

**Premium Video Technology:** The Galaxy Note10 enables users to capture pro-grade video without having to carry around any extra gear. Live focus video adds depth-of-field adjustments so you can blur the background to focus on your subject. Zoom-In Mic amplifies the audio in frame and pushes background noise aside to help focus on the sounds that you want. And to remove the bumps and shakes that usually make an action shot blurry, new and improved Super steady stabilizes footage, and is now available in Hyperlapse mode for steady time-lapse videos.

**Quick and Easy Video Editing:** Once they've recorded their video, Galaxy Note10 users can edit-on-the-go instantly right from their phone. Video editor can be used with the S Pen, so instead of having to tap to select or edit a clip, users can choose the precise moment they want to trim.

**Screen Recorder:** For gamers who want to add some personality to their streams, or vloggers who want to enhance their tutorials, the Galaxy Note10 introduces Screen recorder. Easily capture what's on the screen, use picture-in-picture to add reactions, and use the S Pen to annotate as they record for a more entertaining, engaging video.

**AR Doodle and 3D Scanner:** The Galaxy Note10 integrates bleeding-edge AR and 3D capabilities into the camera. Along with an Ultra Wide camera, it opens up an entirely new medium for creators.

**Night Mode:** People take plenty of selfies in low light situations—at dinner, at concerts or just enjoying a sunset. Night Mode, now available on the front camera, lets users capture striking selfies no matter how dim or dark the conditions.





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## Emirates creates new leadership team


**Majid Al Mualla**

**Adnan Kazim**

**Adel Al Redha**

**DUBAI:** Emirates has announced new executive leadership appointments for its operational, commercial and international affairs functions. Adel Al Redha is now the new Chief Operating Officer, Adnan Kazim is Chief Commercial Officer and Sheikh Majid Al Mualla is Divisional Senior Vice President, International Affairs.

His Highness Sheikh Ahmed bin Saeed Al Maktoum, Chairman & Chief Executive Emirates Airline and Group, said the decision was made to develop further the airline's commercial and business strategies while delivering the best experiences across customer touchpoints.

"Adel, Adnan and Sheikh Majid are

all experienced members of the Emirates leadership team with strong expertise in their respective areas and proven leadership abilities. Each brings deep and diverse experiences from different areas of the airline business, and I am confident that they will continue to drive the airline's future growth and strengthen Emirates' presence, agility, and focus across the globe," he said.

As COO, Al Redha, who has been with Emirates for 31 years, will be at the helm of all operational departments: Flight Operations, Service Delivery, Airport Services, Emirates Engineering, Crew manpower, aircraft procurement and the Emirates Flight Training Academy;

as well as worldwide network operations including crisis response.

In his role as COO, Kazim is responsible for worldwide Commercial Operations, e-Commerce, the Emirates Skywards loyalty program and Emirates SkyCargo. Kazim who joined Emirates in 1992, will continue to lead

the airline's Strategic Planning and Revenue Optimisation teams, which are critical functions that support the airline's commercial success.

Sheikh Majid, who previously held the position of Divisional Senior Vice President, Commercial Operations-Centre, will drive the airline's government, industry, public policy, regulatory, environment and international affairs agenda in his new role as Divisional Senior Vice President, International Affairs. He will also lead teams that represent Emirates in government negotiations and air services talks, as well as various aviation industry bodies of which Emirates is a member.

## Silk Way West Airlines names new VPs for Asia Pacific and the Americas


**Jenny Zhao**

**Fadi Nahas**

**Baku, Azerbaijan:** Silk Way West Airlines, Azerbaijan's leading state-owned cargo carrier, has named Jenny Zhao as new Vice President Asia-Pacific Region (APAC) and Fadi Nahas as Vice President, The Americas.

In her new role, Zhao, an MBA graduate from Washington University with BA Degree from Shanghai University of Engineering Services, will be responsible for providing strategic and tactical direction for further enhancing of business operations in the Asia-Pacific Region.

Zhao who has more than 15 years of experience in the cargo industry took

over from Nurid Aliyev who stepped down for personal reasons.

New York-based Nahas will now be responsible for managing business development initiatives on behalf of SWA USA and its affiliated cargo carriers from Azerbaijan, Silk Way Airlines and Silk Way West Airlines (all jointly known as "Silk Way") throughout the Americas.

A business administration graduate from the Thomas Edison State College in London, Nahas has over 30 years of progressive supply chain, transportation, logistics and sales experience in the air cargo industry.

Wolfgang Meier, President/CEO of Silk Way West Airlines, expressed confidence the two appointees will lead the company to greater heights through their proven expertise and capabilities.

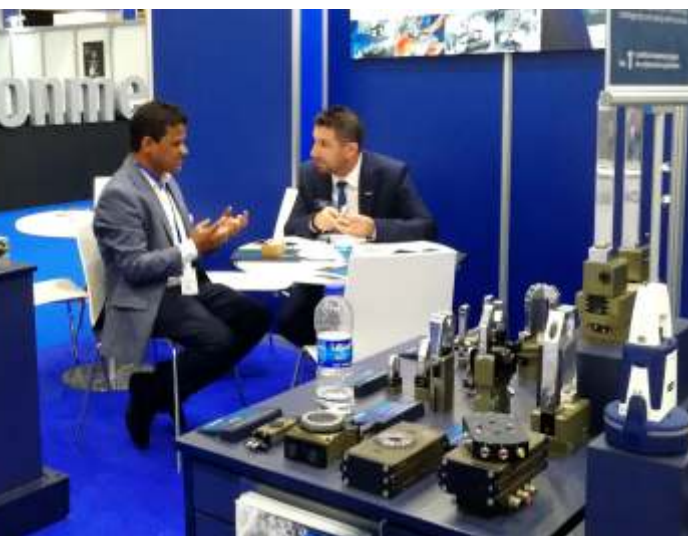


## Materials Handling Middle East 2019 | 3-5 September | Dubai, UAE





# SPS Automation Middle East 2019 | 3-4 September | Dubai, UAE







# UPCOMING EVENTS

air  
cargo  
update

## 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. TIACA is working with EVA International Media to organise its ES, which brings 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 center, called BUD Cargo City.

**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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