

Freightworks

Flexibility at all times

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Monthly: Vol 07 | Issue 7 | No. 55
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

Volumes & hopes up

After passing through turbulent times in recent years, the air freight industry appears to be rebounding with cargo volumes up and cargo hubs being built in different parts of the world, expanding with thoughts of better opportunities and business prospects.

In Africa, Ethiopian Airlines officially opened in June its US\$125 million new state-of-the-art air cargo terminal in Addis Ababa envisioned to handle as much as 1 million tons of cargo per annum—the largest in the continent.

The project officially makes the government-owned Ethiopian the largest aviation group in the region.

In Chicago, the O'Hare International Airport unveiled its \$220 million Northeast Cargo (NEC) development amid rising demand for moving air cargo through the area. The US cargo hub anticipates handling as much as 1.8 million tons by year's end with H1 2017 increasing by 15 percent.

Singapore's Changi Airport saw a 7.5 percent increase in cargo volumes during the first seven months of 2017 to 1.2 million tons. It is eyeing to reach 2 million tons for the first time in its history by year's end if the positive trend continues.

In Dubai, cargo volumes are also up during the first seven months of 2017 at more than 1.5 million tons compared to only 1.485 million tons in 2016 during the same period.

India also posted increase in air cargo volumes with the government rehabilitating more airports to easily transport goods around the country for its more than 1.3 billion people.

In this edition, we're bringing you stories on how the industry is flexing its muscles to adapt to the changing times and make the best of the situation.

We also have the latest news on airlines, aviation, airports and technology.

We will also discuss how automation, 3D and technology are changing the materials handling industry and the supply-chain.

Rising costs, changing consumer habits, customisation, and increasing competition are pressing challenges faced by all businesses involved with the efficient storage and movement of goods, whether in retail, automotive, FMCG, F&B, oil & gas, or pharmaceuticals, experts said.

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

Gemma Casas
 Editor

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The LOUNGE

High school dropout billionaire finds solace in golf and reading

Li Ka Shing—Hong Kong's richest man & one of the world's with a net worth of over \$34 billion in 2017—has one of the most inspiring rags to riches stories ending with an unusual way of spreading his wealth.

Li, who continues to live a modest lifestyle even wearing just a \$500 watch, publicly announced he's giving away a third of his money to philanthropy for humanity's sake.

"Despite my achievements, I can still remember poverty. I told my children and grandchildren that 'The fruit that you eat will never taste as beautiful as the fruit that I ate during the turmoil of war. You will never cherish it as much as I do,'" he was quoted in the media.

The 89-year-old self-made billionaire has already changed and touched the lives of millions in Asia and across the globe through the Li Ka Shing Foundation with more than 120 million students educated and over 107 million patients served. Li is indeed leaving a legacy full of hope for those who need it the most.

"If you have done your best to make meaningful contributions, when it is time for you to go, all you will feel is a little tired, just like when the sun sets, you need to take a rest. I just hope that I lead a full life," said Li.

The entrepreneur

Li, a high school dropout now owns one of the world's leading container terminal and port services operators with holding interests in 52 ports in 26 countries, which is also into retail, energy, telecoms and real estate industries, the CK Hutchison Holdings Ltd. (formerly Hutchison Whampoa), listed in the Hong Kong Stock Exchange. In 2016, the company reported a turnover of \$48 billion.

Li is also one of the first investors on Facebook buying \$120



Li Ka Shing

Chairman, CK Hutchison Holdings

million worth of shares when it was just starting.

Born on July 29, 1928, his family was forced to leave their home in Chiu Chow in Guangzhou Province in the 1940s amid the Japanese invasion of China.

They fled to Hong Kong where his father later died of tuberculosis, leaving Li the responsibility of providing for their family before reaching the age of 15. He found a job in a plastics trading factory working for 16 hours a day.

Those days of hard labor ignited Li's entrepreneurial spirit such that by 22, he had managed to set up his own business, the Cheung Kong Industries, through his meager savings and loans from relatives. Today, CK Group employs more than 300,000.

With the success of his plastic flowers factory, Li invested heavily in HK properties, expanding his business empire to real estate later listed and traded in the Hong Kong Stock Exchange in 1972.

Li continued expanding his business acquiring Hutchison Whampoa and Hong Kong Electric Holdings Limited (renamed Power Assets Holdings Limited) in 1979 and 1985, respectively.

Ernst & Young UK and the Times jointly named Li as the "Entrepreneur of the Millennium" at the turn of the century.

Staying Healthy

Despite his vast wealth, Li prefers to live a simple life. He lives in the same house with his two sons and their families. He says he remains physically fit through exercise, good sleep and golf.

The self-made billionaire philanthropist says he gets up every day before 6 am and plays golf for about an hour and a half—a routine more than a hobby.

"I wake up every day just before 6am and exercise and play golf for an hour and a half. I insist on reading before I go to bed at night. I am still energetic during the day. Your energy comes from being interested in your work," Li was quoted in the media.

The Asian tycoon says he also walks on the treadmill at least 15 minutes a day at noon to stay healthy.

Li who loves flying and traveling also spends time seeing different destinations via his private jet, the Gulfstream G550, or cruising with his yacht.

"I wasn't lucky. I worked hard to achieve the goals I set for myself," Li said in one of his most famous quotes.



Turkish Cargo among top 10 global air freight companies



ISTANBUL: Despite the volatile global economic situation, Turkish Cargo sustained growth posting an income 24 percent higher year-on-year during the first half of 2017.

It is ranked one of the top 10 international air cargo carriers based on the latest findings of WorldACD.

Turkish Cargo was named as the third top air cargo company linking Pakistan, Poland and the UAE to the world.

Its services are also in high demand in Austria, Bangladesh, Egypt and Finland, ranking as the 5th top air cargo company in the areas.

But the company posted the highest growth rate in the Chinese market at 46.8 percent. The specific tonnage records though were not disclosed.

Offering services to 120 countries around the world, Turkish Cargo is regarded as one of the fastest growing cargo brands globally known for its efficiency, quality service and flexible rates.

"By expanding to new destinations, Turkish Cargo brings its network and quality service to even more customers, meeting the needs of its clients with a careful attention to detail that is part of

all aspects of Turkish Airlines," the company said in a statement.

Over the past two months, Turkish Cargo launched new service routes increasing its cargo destinations to 72 in August from only 55 in 2016.

"Having generated a wide corridor extending to Africa from Asia and to the Latin America from the Europe, Turkish Cargo has passed through the first half of 2017 with a great success," the company said.

Apart from its own freighter planes, Turkish Cargo gets a boost on its global service routes through Turkish Airlines.

Cargolux Airlines expands business in Africa



LUXEMBOURG: Europe's leading cargo freighter, Cargolux Airlines, will serve two new market destinations in Africa—Douala in Cameroon and Lubumbashi in the Democratic Republic of Congo (DRC).

Services to Lubumbashi are scheduled to begin on September 15 and Douala on October 3. This brings to 35 Cargolux's total markets served in the African continent.

Cargolux says it sees promising growth in Africa, particularly in Cameroon and DRC, as consumer spending increase.

Import commodities for Cargolux include hi-tech goods, agricultural products and machinery, while export shipments are mainly perishables—fruits and vegetables for European consumers.

"Africa has always been and will always be an important market for Cargolux and we are happy to be able to support the continent's trade lanes to Europe, the United States and Asia as well as across the Cargolux network worldwide," says Jonathan Clark, Cargolux Regional Director Africa.

Lubumbashi is the DRC's second largest city after the capital Kinshasa and acts as a hub for the country's mining industry.

The city is an important commercial and industrial center and produces textiles, food and beverages and copper smelting, as well as giving home to one of the country's largest banks. It is estimated that Lubumbashi produces over 3% of the world's copper and half of its cobalt.

Douala is Cameroon's largest city and home to Central Africa's biggest port. It is the country's economic and commercial capital, handling most of its exports that include oil, cocoa, coffee, fruits, metal and timber. European countries are the major export and import partners for Cameroon, followed by Asia.

Headquartered in Luxembourg, Cargolux is considered Europe's top cargo airline with a fleet of 14 Boeing 747-8 and 12 Boeing 747-400 freighters.



GLOBAL NEWS

Hungary fills in China's growing appetite for breeding horses



BUDAPEST: 14 Friesian and Shagya Arabian racehorses bred in Hungary were recently flown to China aboard a Cargolux Boeing 747 as the country's appetite for breeding horses grows.

With a team of carers and vets, the racehorses took off from Budapest Airport in special freight containers via Luxembourg en route to Beijing then to Wuhan.

They were placed in the cargo hold of Cargolux's modern Boeing 747-8F; animals of this size can only be transported by air over such long distances, and only on board large aircraft types.

According to Hungarian equestrian website lovasok.hu, since the 2008 Olympics and the economic upturn, horseback riding has become increasingly popular in China, with more than half a million people riding on a regular basis per year.

Demand for the sport, breeding horses, and the market for importing horses are growing dynamically.

Hungary received the required permit for the aerial transportation of horses in early 2016 and this was the first live horse shipment from Budapest Airport to China.

Chris Nielen, VP Sales for Cargolux Airlines, commented: "The transport of animals is an important part of our core activities. We have an unparalleled expertise and a team of highly qualified professionals to ensure the welfare of the horses. We invested in new horse stalls that guarantee the wellbeing of the animals and a state-of-the-art of transport."

Dénes Szigeti, Air Freight Manager – Hungary for Hellmann Worldwide Logistics, which organized the transportation of the 14 horses, said: "These were unforgettable moments in our company's life and we are really proud of this success story. We were making history; no forwarder has ever transported horses from Budapest Airport to China directly by regular flight."

"Our whole special live animal team was working on this transportation project side by side which was a great success. Special thanks to the Hungarian live animal team for their dedication and hard work and also special thanks to all of the involved parties who helped us. Our dream has come true," he added.

Budapest Airport handled more than 72,000 tons of cargo in the first half of the year, up by nearly 20 percent compared to 2016.

Jettainer now leasing airliner transport boxes for horses

FRANKFURT: With flying horses in high demand across affluent destinations in the world Jettainer, the leading international service partner for outsourced ULD management, has expanded its leasing services to include comfortable transport horseboxes at short notice.

Jettainer said the special ULDs can be leased for one day or up to several months. The stables are now available for transporting the elegant four-legged creatures above the clouds from the JettHub in Frankfurt – and, if required, from any other destination around the globe.

The special design of the horseboxes, which can transport up to three animals, not only makes it easy for the animals to enter with its particularly broad ramp, but it also has an adjustable partition in the upper area that provides ideal visual protection between the horses. Modern polymer materials inside the box and a non-slip stand ensure that the animals can travel without injuring themselves.

If the horsebox has to be returned empty, it can be collapsed using a foldable "drop top" and transported on the lower deck to save space. This means that the flying horseboxes are not only safe and comfortable for the animals, but are also efficient and save space when being handled.



"We're noticing a huge demand for flying horseboxes and can now offer our customers flexible leasing concepts that are even better tailored to their needs," says Martin Kraemer, Head of Marketing & PR at Jettainer, explaining the latest development.

Access World to build 3PL facility in Dubai



DUBAI: Access World Logistics LLC is building a multi-product warehousing facility at Dubai's Jebel Ali Free Zone with an overall investment in excess of AED 40 million (about US\$11 million).

The company, a joint-venture between the UAE-based Rais Hassan Saadi, RHS, Group and Switzerland-headquartered Access World Group, will have the project commissioned during the second quarter of 2018, according to the UAE government.

The project includes a warehouse of 15,000 sqm with an apex height of 13.7-m and eaves height of 11.5-m split into 3 chambers offering bulk-storage and ambient-temperature, as well as air-conditioned storage, (220 C) with very narrow aisle racking systems.

The logistics center, which is expected to meet its power requirement largely through a roof-top solar-panel system, will also have an open-storage yard of some 6,500 sqm, a road-weighbridge, ancillary facilities as well as an office block.

Peter M. Waszkis, CEO of Access World, said the facility will be listed with the LME and the DGCX. In addition to non-ferrous metals, steel, OCTG, polymers, and other industrial goods, the company will provide efficient logistics solutions for soft commodities, FMCG/retail products, machinery and spares, project and general cargo.

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GLOBAL NEWS

Jebel Ali Free Zone trade reaches US\$80.2 billion in 2016



DUBAI: Jebel Ali Free Zone (Jafza), a subsidiary of global trade enabler, DP World, disclosed its non-oil foreign trade grew by 17 percent from 23.9 million to 27.9 million tons in 2016, worth \$80.2 billion.

China has maintained its position as Jafza's largest trading partner, with \$11.3 billion worth of trade during the year with many Chinese companies in Dubai using logistics capability to re-export goods and products.

Saudi Arabia is the second largest Jafza trading partner at \$7 billion.

Vietnam third at \$4.3 billion through imports of electronics and electrical appliances, followed by the United States with a trade volume of \$3.7

billion, the UAE government said.

Machinery, electronics and electrical goods accounted for 49 percent of Jafza's total trade with Jebel Ali Port's ability to handle heavy equipment playing a key role, coupled with high consumer demand in the sector. Petrochemicals, oil and gas sector had 16 percent of total trade, followed by food and FMCG (8 percent), textiles and garments (7 percent), automotive and spare parts (6 percent).

Trade with the Asia-Pacific region reached \$32.4 billion; the Middle East \$27.2 billion, the European continent (\$9.9 billion), the Americas (\$5.5 billion) and Africa (\$5 billion).

Commenting on the announcement,

Sultan Ahmed bin Sulayem, Group Chairman and CEO of DP World, said, "The value and volume of trade through Jafza underlines the strength of the national economy and its ability to adapt to global trading conditions, create investment opportunities and open up new markets to exports from the UAE."

Bin Sulayem reiterated that Jafza supports economic diversification in line with the directives of Vice President, Prime Minister and Ruler of Dubai, H.H. Sheikh Mohammed bin Rashid Al Maktoum, to provide services and incentives to investors that meet their aspirations and provide additional benefits to compete in local, regional and global markets.

"Jebel Ali Port plays a pivotal role in enabling international trade so companies operating in Jafza can import and re-export their goods and products to various countries of the region. The Dubai logistics corridor connects Jebel Ali Port and Al Maktoum International Airport in one customs zone, reducing the time taken for the movement of goods between sea and air transport modes and making the area the main transit gateway in the Middle East," he said.

Some 267 new companies have opened up offices at Jafza during the first half of 2017, up by 6 percent than the same period in 2016.

DME sells 2 million barrels cargo of Iraq's Basrah Heavy

DUBAI: More than 50 companies across the globe have registered at the Dubai Mercantile Exchange (DME) to access Iraq's State Oil Marketing Organization's (SOMO) auctions in the UAE, officials announced.

On August 23, DME, on behalf of Iraq's National Oil Company, SOMO, awarded 2-million barrel cargo of Basrah Heavy at a premium \$1.63 per barrel over the October Basrah Heavy Official Selling Price (OSP).

The second highest bid was +\$1.59/b. 25 companies logged into the auction and 45 separate bids were received.

In July, a Basrah Heavy cargo for September loading was auctioned at a



premium \$1.37/b, but strong demand has further lifted premiums for heavier barrels, while OPEC cuts curtail supplies.



Food and buses from the UAE for war-torn Yemenis



HADRAMAUT: The UAE has sent much needed food aid as well as buses for war-torn Yemenis as fierce fighting between Houthi rebels and the coalition forces continues.

The Emirates Red Crescent Authority, ERC, distributed the food aid to those with special needs, poor families, and those with limited income in the Yemeni governorate of Hadramaut, reported the Emirates News Agency WAM.

The UAE also shipped 16 buses to Aden in July in line with the directive of the UAE's wise leadership to restore normalcy in the liberated Yemeni governorates, alleviate the suffering of the people, and improve basic services provided to them.

Yemeni Minister of Transportation Murad Al-Halmi hailed the UAE's efforts to help restore normalcy in the country. Mohammed Al Muhairi, Head of the ERC Team, said ERC will

continue its efforts and diligent work to improve the lives of Yemeni citizens and reduce their suffering by maximizing the reach of its activities and rescue operations, as well as providing a means of support to improve their conditions.

Colonel Nasser Ali Al Shuaibi, Director-General of the Brom Mayfa District, praised the ERC's key role in improving essential services, as well as the work of its rescue convoys for the people of Hadramaut. He stressed that the UAE has continuously provided a large amount of humanitarian aid to Hadramaut and other Yemeni governorates, which returned the smiles to the faces of women and children living in tragic humanitarian situations. He said the food aid is a vital means of survival for tens of thousands of Yemenis who are trapped in the ongoing conflict.

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ERC reopens 'Chest and Tuberculosis Center' in Yemen



AL MUKALLA: The Chest and Tuberculosis Center in Yemen's Mukalla District in Hadramaut Governorate was successfully reopened in August thanks to the Emirates Red Crescent.

ERC said the project is part of the UAE's ongoing support for Yemeni citizens, under the directives of the wise leadership to enhance the level of local health services and support infrastructure rebuilding projects in the country's liberated governorates.

Ahmed Al Niyadi, Head of the ERC Team in Hadramaut, said their mission is to provide for Yemeni citizens' basic

medical needs in hospitals and government centers, as well as renovating and rehabilitating local health facilities.

He stressed that ERC's projects to restore and maintain local health facilities are only the start of a series of development projects in Hadramaut and other liberated governorates, to improve the living conditions of local residents, meet their basic needs and provide them with a decent life.

Last month, an Emirati aid ship carrying 50,000 food baskets was sent to Yemen to families in Hadramaut,

Shabwah and Ma'rib.

The UAE has relentlessly given Yemen medical and food assistance, in addition to numerous infrastructure projects since the civil war broke in 2015.

On August 19, World Humanitarian Day, H.H. Sheikh Hamdan bin Zayed Al Nahyan, Ruler's Representative in the Dhafra Region and Chairman of the Emirates Red Crescent, reiterated the UAE's commitment to humanitarian missions.

"The challenges facing humanitarians on the ground will only strengthen our resolve to reach our noble goals and principles, and will make us more committed towards our targeted groups, regardless of where they are," he said in a statement.

Sheikh Hamdan concluded his statement by paying tribute to humanitarian volunteers and aid workers, for their dedication, devotion and courage in defying the challenges and risks that they face in certain areas experiencing crises.

Humanitarian partners are coming together this year under the "#NotATarget" campaign, to highlight the need to protect civilians affected by conflict, including humanitarian and medical workers.

Mohamed bin Zayed commits US\$5M to provide vaccines to children



GENEVA: His Highness Sheikh Mohamed bin Zayed Al Nahyan, Crown Prince of Abu Dhabi and Deputy Supreme Commander of the UAE Armed Forces, has committed US\$5 million to Gavi, the Vaccine

Alliance, to support its Innovation for Uptake, Scale and Equity in Immunization, INFUSE, initiative.

His Highness Sheikh Mohamed bin Zayed has provided US\$33 million for the work of the Global Alliance for Vaccines and Immunisation, GAVI, from 2011 to 2015.

Speaking on the occasion, Reem bint Ibrahim Al Hashimy, Minister of State for International Cooperation, said, "The UAE is an integral part of the work and initiatives that seek the best for humanity, highlighting the follow-up of His Highness Sheikh Mohamed bin Zayed to strengthen partnership with Gavi, the Vaccine Alliance to support

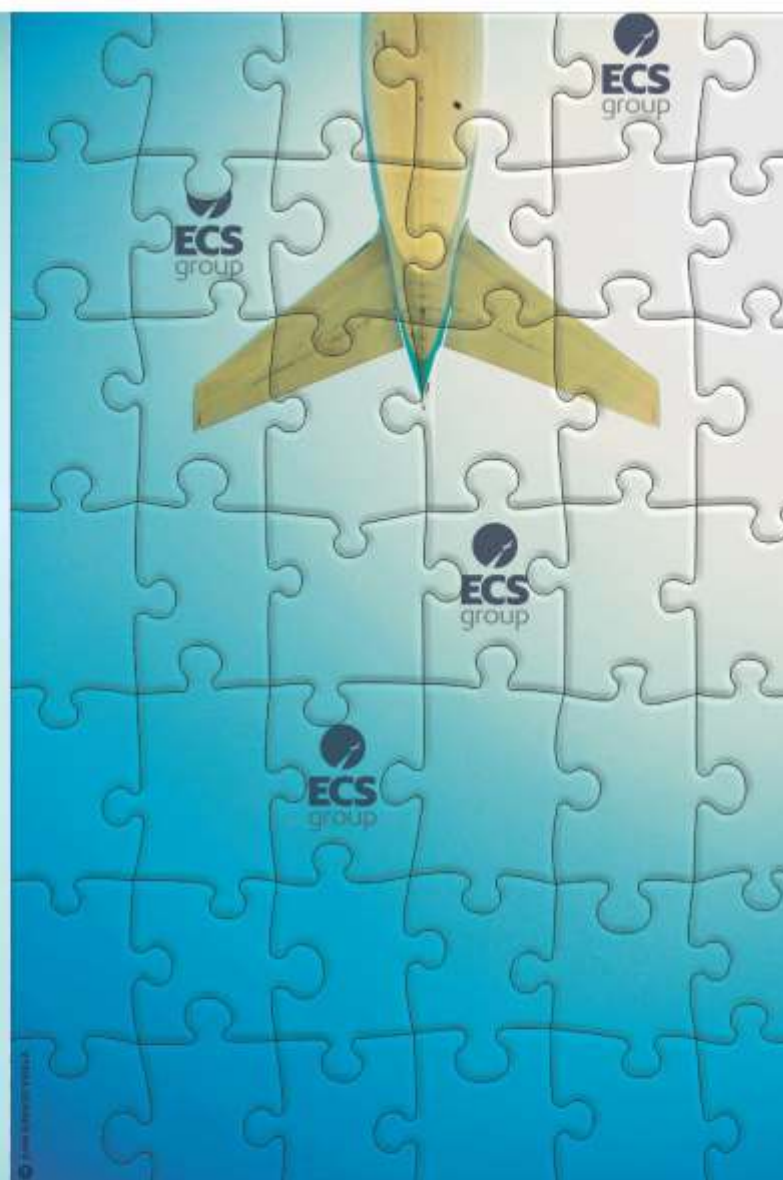
its mission of saving children's lives and protecting people's health through immunization."

"We believe that INFUSE innovations can make a real difference to developing countries and look forward to contributing to their growth to make sure that every child is protected with life-saving vaccines," the minister added in a statement released by the Emirates News Agency WAM.

Dr. Seth Berkley, CEO of Gavi, said the money would be used to ensure that they reach their goal of providing life-saving vaccines to 300 million more children across the world by 2020.

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GLOBAL NEWS

Emirates SkyCargo & DuPont create 'White Cover Xtreme'



DUBAI: Emirates SkyCargo has teamed up with DuPont in creating an extra layer of protection for temperature sensitive cargo known as White Cover Xtreme.

Emirates SkyCargo, the world's largest cargo airline, says the new triple layered White Cover Xtreme acts as a shield reflecting solar heat when temperatures are high and as a barrier for conduction preventing heat from escaping when temperatures are low, thereby, helping maintain cargo internally at the right temperature.

In addition, White Cover Xtreme is breathable and allows water vapor to escape preventing condensation from forming on the surface of cargo and affecting the integrity of the shipment.

This summer or from June to August, Emirates SkyCargo offered customers with sensitive perishables consignments transiting through Dubai, complimentary white covers to protect the goods from spoilage.

About 30,000 tons of perishables from all over the world transit through Dubai every month using Emirates SkyCargo services.

Emirates SkyCargo and DuPont extended for another two years or until 2019, their agreement to develop new temperature protection solutions, in particular thermal covers, for the air cargo industry.

Emirates SkyCargo operates a modern fleet of 259 wide-bodied aircraft including 14 freighters- 13 Boeing 777-Fs and one B747-400ERF.

Carrefour taps CEVA to deliver goods to 60 stores daily in Paris

PARIS: CEVA Logistics, one of the world's largest supply chain management companies, has won a major delivery contract with leading French-headquartered, multi-national retailer Carrefour.

Centered initially on the Paris region, CEVA is responsible for deliveries of soft drinks and dried products to almost 60 stores on a daily basis.

"Key to the success is to understand the way Carrefour and the stores operate," states CEVA's Managing Director France, Robert Plent. "We permanently adapt our processes in order to deliver the best value to the stores. They like the entrepreneurial spirit and a swift decision-making process and this means we can design solutions for them which can be effective immediately. This includes challenging each other with concepts and ideas which will improve their business for the long-term. It also opens the potential to introduce other value-



added services in the future."

Operating from its 36,000 sqm facility close to Charles de Gaulle airport, CEVA is also handling reverse logistics for Carrefour, including removing packaging and cartons post-delivery. In addition, CEVA has recently opened a specialist warehouse for healthcare and beauty products to support

Carrefour's new parapharmacy concept which will be developed over the coming years.

This 7,000 sqm facility, close to the southern city of Reims will initially employ 80 staff which will be further expanded as the new parapharmacy business stream goes live within the Carrefour network.



AirBridgeCargo volumes up 16 percent in H1 2017

LONDON: AirBridgeCargo Airlines (ABC) has reinforced its position as one of the world's fastest-growing freight carriers by reporting a 16% increase in volumes in the first half of 2017 to 335,000 tons, boosted by particularly strong demand across its Asia Pacific network.

ABC also achieved a 13% rise in freight ton-kilometres and a 4pp increase in its load factor to 71% in this period.

"We have a very clear strategy that is all about listening to the needs of our customers in terms of the routes and products they want us to offer. This is reflected in their support of our growing network in Asia Pacific as well as their increasing use of our special products for pharma and off-size cargoes," said Sergey Lazarev, General Director of AirBridgeCargo.

The first six months of the year saw the delivery of ABC's 10th latest generation Boeing 747-8 Freighter, increasing the total size of its 747F fleet to 17 aircraft, and further expansion of its network in Asia Pacific.

The launch of twice-weekly services to Taipei marked the doubling of the airline's online network in the region over the last two years to 12 destinations: Tokyo, Seoul, Singapore, Hanoi, Phnom Penh, Hong Kong, Shanghai, Beijing, Chengdu, Chongqing, Zhengzhou and now Taipei.



ABC has seen high demand for cargo capacity to and from Taipei, particularly for the delivery of hi-tech products, and is now carrying some 1,000 tons a month on the route. Overall, the airline's business to and from Asia Pacific rose by over 20% in the six months ended 30 June 2017.

The first half of the year also saw a rise in AirBridgeCargo's pharmaceutical volumes and further growth for the airline's Off-size Cargo product.

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GLOBAL NEWS

WFS sees North American volumes up 17% from Jan-July 2017



LONDON: Worldwide Flight Services (WFS), the world's largest cargo handler, saw total volumes across its nearly 60 cargo locations in the US grew by more than 17% in the first seven months of 2017.

WFS, which handled over 1.8 million tons for customers in North America in 2016, won a further 37 new airline contracts in the opening seven months of this year as well as 10 contract renewals from existing customers.

These agreements included contracts with Avianca Cargo in Miami, Atlas Air/Polar Air Cargo in Cincinnati, and

AirBridgeCargo Airlines in Los Angeles as well as China Airlines in Chicago, LOT Polish in Newark and Los Angeles, and Swiss International Air Lines in San Diego.

2017 has also seen the full and successful integration of Consolidated Aviation Services (CAS) following its acquisition by WFS at the start of 2016.

CAS officially rebranded as WFS earlier this year, making WFS the largest cargo handler in North America.

Ray Jetha, Senior Vice President, Sales

& Business Development for WFS in North America, says there are plenty more opportunities for WFS in the U.S. as the company continues to invest in being a world class provider of safety and security and a high quality service provider that's in tune with the needs of its customers.

"The air cargo industry is experiencing an uptick and we feel that we are in a good position to accommodate this growth with our current operations. As predicted, we will see an increase in the eCommerce market and this will certainly put some pressure on regular air cargo shipments," said Jetha.

AMI launches click2ship Express Imports

SOUTH AFRICA: AMI, the world's largest trade-only airfreight and express wholesaler, envisions to revolutionize express imports to South Africa, with the launch of an all-inclusive online service.

Called click2ship Express Imports, the new service is the imports counterpart of click2ship Express Exports, launched in South Africa in 2014.

The site provides online quotes and bookings for imports from any location in the world. Prices include collection at origin, customs export entries, freight, Customs clearance on arrival, and local delivery from airport to agent or consignee.

The new service is aimed both at freight agents at point of origin, and those in South Africa. Its goal is to simplify and speed up the importing process, as well as providing agents with instant quotes that will help them to secure business by offering faster responses to customer enquiries.

"Imports currently accounts for some 20% of AMI's turnover



in South Africa, so the potential to grow imports business is considerable. click2ship Express Imports is simple to use, provides attractive rates based on quality operators, and saves agents having to conduct time-consuming research into multiple suppliers in order to construct a quote. We believe this represents an appealing package," said AMI VP for Africa Milton French.

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We invite you to join us for these two illustrious events that bring together Cool Chain industry leaders to discuss pressing challenges facing the industry today and what the future holds.



The poster features the Cool Chain Association logo at the top, which consists of two interlocking chains, one red and one blue. Below the logo, the text reads "COOLCHAIN ASSOCIATION" in a serif font, followed by "5TH PHARMA & BIOSCIENCES CONFERENCE 2017" in a large, bold, red font. The dates "18-19 SEPTEMBER" and the location "CORINTHIA HOTEL BUDAPEST" are listed below. The background of the poster shows a scenic view of the Chain Bridge in Budapest. At the bottom, it says "INTRODUCING PHARMA AERO" with a small logo and "OUR 2017 EVENT PARTNER".

COOLCHAIN ASSOCIATION
5TH PHARMA & BIOSCIENCES CONFERENCE 2017
18-19 SEPTEMBER
CORINTHIA HOTEL BUDAPEST

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&



The poster features the Cool Chain Association logo at the top. Below it, the text reads "COOLCHAIN ASSOCIATION" in a serif font, followed by "2ND PHARMA & PERISHABLES CONFERENCE 2017" in a large, bold, red font. The dates "3rd-5th DECEMBER" and the location "Hilton DFW Lakes Executive Conference Centre" are listed below. The background of the poster shows a view of the Hilton DFW Lakes Executive Conference Centre. At the bottom, it says "DFW DALLAS FORT WORTH INTERNATIONAL AIRPORT" and "OUR HOST FOR THE 2017 EVENT".

3rd-5th DECEMBER
Hilton DFW Lakes
Executive Conference Centre
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COOLCHAIN ASSOCIATION
2ND PHARMA & PERISHABLES CONFERENCE 2017

DFW DALLAS FORT WORTH INTERNATIONAL AIRPORT

OUR HOST FOR THE 2017 EVENT

"It is a great pleasure to see where we started and where we are now. The organization is a lot more professional. We need to continue to listen to our members concerns as well as act as a strong unified voice for our industry. It would be great if we could look towards holding more conferences on the cool chain, including airport communities in our efforts going forward. We would like to continue to grow our membership base with people who are willing to make a change within the cool air cargo supply chain.

Our goal is to have more transparency and ultimately more collaboration".

Stavros Evangelakakis
CHAIRMAN, COOLCHAIN ASSOCIATION

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GLOBAL NEWS

Qatar Airways Cargo posts highest export tonnage in Nepal

DOHA: Qatar Airways Cargo took home the award for achieving the highest export tonnage out of Nepal for 2016 during the 23rd Nepal Cargo Day celebrations.

The awards, held every year by the Nepal Freight Forwarders Association, honor the top three carriers for their roles in supporting the country's exports.

This is the 9th time the award-winning carrier has been recognized for uplifting the highest tonnage out of Nepal, where more than 25 international carriers operate.

"Nepal is an important market for us, and we are delighted to receive this recognition. Qatar Airways Cargo has always considered its role as fundamental to facilitating international trade to support the Nepalese economy, while ensuring that our customers' needs are at the centre of our business goals. We thank our customers, local authorities, business partners and our team for their dedication and hard work," said Ulrich Ogiermann, Qatar Airways Chief



Nepal Vice President Nanda Bahadur Pun presented the award to Qatar Airways Country Manager Nepal Mr. Jayaprakash Nair (right).

Officer Cargo.

Qatar Airways launched its first passenger flight to Kathmandu in 1995 and has since increased its services from two flights to 21 Airbus A320 flights out of Kathmandu each week, offering the country more than 30 tons of weekly belly-hold capacity.

The cargo carrier strategically connects Kathmandu with the country's major export destinations in the United States, Germany and United Kingdom via its Doha hub. Last year, Qatar Airways Cargo transported more than 2,700 tons of cargo out of Nepal, including items such as garments, carpets and handicrafts.

Qatar Airways Cargo commenced six new freighter destinations in 2017 to the Americas, Europe and Asia: Buenos Aires, Sao Paulo, Quito, Miami, Phnom Penh and London Heathrow, while increasing its freighter frequencies to Brussels, Basel and Hong Kong in response to growing air freight demand in these regions.

Lufthansa Cargo staff join runners to help build preschool in Nairobi

FRANKFURT: Employees of Lufthansa Cargo joined hundreds of runners at the 3rd "Office City Run" organized to raise funds to build a preschool in the slums of Nairobi, Kenya.

Organized by Cargo Human Care e.V. in Frankfurt-Niederrad, the runners aimed to raise 20,000 Euros for the project.

"We're overwhelmed by the high number of participants and can now definitely say that the City Office Run has established itself. That of course makes us very happy, as every cent that the runners and sponsors donate to Cargo Human Care today with their entry fees benefits children in Kenya," said Fokko Doyen, initiator and first Chairman of Cargo Human Care.

The Kenyan preschool is scheduled to be completed mid next year and is partly funded through CHC, the help alliance (the aid organization of the Lufthansa Group and its employees) and the Regine Sixt Children's Aid



Foundation.

Frankfurt City Council Member Matthias Mehl and Lufthansa Cargo CEO and Chairman Peter Gerber led the runners.

"I'm very pleased to see the Office City Run now taking place for the third year in a row, as it underlines the outstanding & valuable commitment of so many Lufthansa staff. It will directly benefit

those in need in Nairobi and hopefully continue to enrich Niederrad and the airport with an increasingly popular annual event in the future," commented Gerber during the event.

The Lufthansa Cargo Executive Board doubled the collected amount with a donation matching the entry fees of their staff.



American Airlines Cargo chooses new GSA in UAE

FORT WORTH, Texas: American Airlines Cargo has chosen Heavyweight Air Express (HAE) as its new General Sales Agent (GSA) in the United Arab Emirates.

HAE replaces long-standing GSA, Airline Cargo Resources (ACR) which has recently chosen to downsize its commitments in the region.

This is the second area of the world in which HAE was chosen as American's GSA following its appointment to cover sales across a number of countries in central, east and north Africa, as well as South Africa in mid-2016.

"Following a thorough search, we are very pleased to have chosen HAE based on their extensive knowledge of the Middle East market, their innovative approach, compre-

hensive network & – more crucially – their very strong relationship with some key partners of American Airlines in Dubai," said Richard Hartmann, American's regional manager, Cargo Sales – South Asia, Middle East & Africa.

As with other local markets in Europe, the Middle East & Africa where American operates offline, the majority of traffic will initially route over London Heathrow (LHR).

"We will be deploying our local market experts who know where business opportunities are in this region for American," said Peter Kerins from HAE Group, based in Dubai. "We have an active customer base across the region and aim to support the expanding American network with freight generated in the thriving economies of the UAE through our offices here."





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Freightworks

Flexibility at all times

By Gemma Q. Casas

“

Freightworks has a customer centric approach, a stable and highly experienced team, across all modes of logistic capability that can deliver excellent service for any requirement, big or small, one off or multiple complex moves.



Its history is as rich as the man who established it—Sir Maurice Flanagan—the founding CEO of Emirates whom the Dubai government hired and entrusted to help form the airline in 1985 with just US\$10 million in startup capital and two leased planes but is today the Middle East's largest carrier.

Just like Emirates, Freightworks has withstood time since it was formed in 1976, turned into a limited liability corporation in 1996 & a shareholder joint venture in 2000 between Emirates/dnata, the largest supplier of air travels services in the Middle East and Kanoo Group, a diversified business conglomerate mainly engaged in shipping and trading.

"The partnership has developed to meet the ever-growing market demands for freight transportation and help facilitate trading across the region and globally. Our shareholders have provided good support for Freightworks and through this, we have both Emirates Airlines and Kanoo Shipping as key customers," Sean Bradley, Managing Director of Freightworks, told Air Cargo Update.

"We continue to work with all related companies and will expand beyond the United Arab Emirates whilst developing a larger business in the UAE," he added.



COVER STORY

“In the retail market, we work with the biggest names in the region such as Emaar, Carrefour, Landmark Groups and Dubai Duty Free. In terms of electronics, we proudly work with the likes of JVC and Samsung and within the aviation sector we work with some of the biggest players such as Emirates Airlines and Air France.”

Seamless integration

In a highly competitive industry like air freight and logistics, experience alone would not sail you that far. It's a combination of acute business acumen, agility, reputation, technology, knowledge and flexibility to handle any situation that demands skills and good results.

Freightworks has successfully

removals and event logistics. Freightworks has a long history of dealing with a wide variety of jobs, locally and globally,” explained Bradley, a veteran in the industry whose career portfolio includes successfully delivering a 30-month long global project for the development and management of the Volvo Ocean Race 2014-2015 in his capacity as Commercial Director for

our clients and peace of mind. We build strong working relationships through regular face to face meetings, acting and working on our client's needs,” Bradley proudly says.

For instance, Bradley shared the company was once tasked to ship specially designed furniture from the US and Italy to Qatar “to furnish the Royal Air Terminal in Doha.”

From luxurious furniture, it went on to deliver “king and queen crocodiles from Australia to Dubai Aquarium & Underwater Zoo.”

Then, on to 95x40 trailers from Jebel Ali to Jordan by road on behalf of UNHCR, among other clients; as well as moving Emirates Airlines materials each time it opens a new station anywhere in the world.

“Big enough to deliver and small enough to care” comes to mind,” said



Jebel Ali warehouse for Emirates Airlines Freightworks

transitioned itself to meet all these challenges, operating in four key areas: supply chain, projects, removals and event logistics.

“We provide seamless integration of various transportation modes such as seafreight, airfreight and roadfreight, as well as diversified logistics services in warehousing, material handling, packaging,

the Official Logistics Supplier.

Over the past four decades, Freightworks had accumulated vast and unique projects spanning across continents.

“We have developed a very strong reputation for the quality of our service. We offer a complete range of transportation & logistics services on a 24/7 basis, providing solutions to

Bradley when asked about the company's edge over its competitors. “Freightworks has a customer centric approach, a stable and highly experienced team across all modes of logistic capability that can deliver excellent service for any requirement, big or small, one off or multiple complex moves.”

That dependability and reliability



have stuck to Freightworks' name earning the trust of some of the biggest companies in the region like Dubai Duty Free, Carrefour, Emaar, Landmark Groups, Air France, among others.

"In the retail market, we work with the biggest names in the region such as Emaar, Carrefour, Landmark Groups and Dubai Duty Free. In terms of electronics, we proudly work with the likes of JVC and Samsung and within the aviation sector we work with some of the biggest players such as Emirates Airlines and Air France," said Bradley.

"Emirates Airline is our biggest client, we warehouse and distribute inflight catering items and beverages for use on-board the aircraft. Freightworks is the preferred company for Emirates Group staff who join or leave the company for the movement of their personal effects worldwide," he noted.

Investing in the future

Operating across five locations in the UAE, Freightworks is carefully

handled by highly-trained 300 plus employees who constantly undergo training and continuing education to keep up with the changing industry trends.

Apart from investing on workforce, the company also puts high stakes on facilities and technology, a boon in this day and age.

"The company's storage facilities feature the most sophisticated technologies available in the industry and cover a total of 17,000 sq. mtr. We have a large fleet of vehicles of all sizes including temperature controlled trucks, 40 ft. flatbeds, container haulage and roller bed trucks. We invest in new technology to improve our efficiency and provide an ever improving experience to our clients," said Bradley.

"Staff training is carried out on a consistent basis, is needs based and we apply the usual HR practices to identify skill gaps and appraisals to develop staff for specific roles and succession planning. The key Freightworks premises are audited to

the highest international standards for safety and compliance through TAPA and dnata safety groups," he continued.

Freightworks' warehouse facilities have 24,900 pallet locations, 19 loading bays, 2,000 sqm area of temperature controlled storage, a bonded customs area and a 5000 sqm laydown yard.

Tough as it may—the company's team work makes it easier for Freightworks to accomplish its tasks no matter the odds.

"Team work," Bradley said when asked about the top business philosophy that fuels their success. "Our staff keep Freightworks moving forward, we invest in our employees to ensure they are the best in the business."

"In addition, despite the volatile environment we strive to be the best we can in the fields we operate in. We take safety, ethics, impartiality and compliance extremely seriously, so that we hit the highest possible global standards, this helps to differentiate



COVER STORY



“It is testament to the NAFL & the very active current President Nadia Abdul Aziz that such developments are happening. I applaud their efforts and activities. It is a great body to represent our industry. Having the 2020 Congress in the UAE in the year of Expo would be great for the industry and an added bonus for highlighting the attraction of the region to business around the globe.”

us in this highly competitive market.”

Growing market

Despite uncertainties in the Middle East, business analysts continue to see growth in supply and demand in various sectors in the region, particularly in terms of food and technology.

The UAE continues to be the region's main logistics hub but other GCC countries are fast moving to compete in this area. In the post-oil era, Saudi Arabia is reportedly pumping as much as US\$8 billion to build the Prince Abdul Aziz bin Mousaed Economic City, envisioned to be a futuristic warehousing and logistics hub.

Egypt is also beefing up its cargo facilities in anticipation of more business in the region. According to the International Air Transportation Authority (IATA), global cargo demand this year is projected to rise by 7.5 percent to reach 58.2 million tons.

Bradley described the UAE air freight and logistics industry as “Volatile, exciting, ever changing, demanding,

extremely competitive, price sensitive.”

But he firmly believes a company that diligently does its part will succeed.

“With tenacity, hard work and consistency, focusing on the client and building an open working relationship, you have the opportunity to create a competitive advantage and develop a good business in the long term,” he said.

When asked about his forecast on the future of the freight and logistics sector in the UAE, Bradley said: “I think that oil and gas related work will remain static for some time, construction, hospitality and tourism sectors will improve in the short term. We are seeing continued investment in the aviation supply chain even though the industry is going through a difficult time so I think that industry will also develop.”

“Airfreight imports, exports and transshipments will remain steady despite cheap rates in some sectors being driven down by integrator freighter pricing, which is driving the 100+kg market down. Finally, I think that supply chain development in the

UAE will continue to go from strength to strength, seeing investments by global key players in the market is evidence of the confidence in this market and region,” he further noted.

And just like others in the industry, he has high hopes of welcoming the FIATA Freight Forwarding Congress in the UAE as it hosts the World Expo 2020.

The UAE's National Association of Freight and Logistics (NAFL) is bidding to host the event for the second time to coincide with Expo 2020, which is expected to generate as much as 20 million tourists until the global event wraps up in April 2021.

“It is testament to the NAFL and the very active current President Nadia Abdul Aziz that such developments are happening. I applaud their efforts and activities. It is a great body to represent our industry. Having the 2020 Congress in the UAE in the year of Expo would be great for the industry and an added bonus for highlighting the attraction of the region to business around the globe,” Bradley concluded.



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FEATURES



The science & logic behind chemical logistics

Hazardous materials, either in raw or finished form, require special people and skills to be transported and stored safely. It needs the science of chemical logistics which involves knowledge, experience and specialized equipment. These materials come in different forms—biological, chemical, radiological and/or physical, which have the potential to cause harm to humans, animals or the environment.



“The global forecasted market of chemical logistics is all set to go up at a CAGR of 11.97% during the period of 2016 – 2020, according to Sandler Research.”

When left to untrained hands, transporting these materials can potentially result to explosion, ignition, emitting toxic gases, among others, that may cause serious health damages to humans who come in contact with them or even damage the environment.

Chemical logistics, thus, require unique shipping requirements because of the inherent danger and potential impact on health, security and the environment.

The global forecasted market of chemical logistics is all set to go up at a CAGR of 11.97% between 2016–2020, according to Sandler Research.

Air Cargo Update got the opportunity to talk with Chemical logistics experts from Dupré Logistics, RSA-TALKE and Schmidt ME Logistics to discuss how to handle chemicals in a warehouse cautiously.

According to RSA-TALKE, the chemical industry in the Middle East is growing while other parts of the world are stagnating. Consequently, the region is preparing for the growth.

Dr. Wolfgang Hoppmann, CEO of Schmidt ME Logistics, said, “It is a fast growing market with many opportunities. New technologies create alternative handling methods, which are faster, safer and more cost effective than the current labor intensive methods currently used in the Middle East.”

RSA-TALKE stores and transports full range of chemical classes except explosives, radioactive material and infectious substances.

Schmidt ME Logistics transports all kinds of bulk chemicals, resin powder commodities as well as minerals, flour, rice, wheat and sugar.

Hazardous handling

Safety is a serious business for the chemicals industry. Because of this, companies in chemical logistics always make sure they are not spilled or tampered with during transit.

Those who handle hazardous loads must also be properly trained, certified and equip to understand all the safety requirements for the kind of products that they are shipping.

“All training is provided by in-house specialist focusing on safe working methods, no spill allowed and wearing the correct PPE. Our in house specialist has all been trained in Germany,” notes Dr. Hoppmann.

Markus Koepsel, General Manager, RSA-TALKE, said: “We use the behavior-based safety (BBS) approach. Training sessions based on this principle encourage employees to ‘think safety’ and to always actively seek it out from day to day. We also do chemical specific product handling training.”

Mike Matte, Senior Director of Business Development, Dupré Logistics, notes, “Every team member is required to be trained and pass the curriculum testing in all aspects of company safety standards that meet and often exceed Federal Law (including drug and alcohol testing, chemical and hazmat materials handling, labeling and transport, and several other topics pertaining to the most rigorous safety expectations).



“Our HAZMAT and hazwaste drivers are certified and provided with ongoing training that meets and often exceeds government regulations to deliver the most hazardous materials safely.”

Chemical containment solutions

It takes great care to keep hazardous loads safe and secure, it requires specialized equipment to move any kind of chemical, hazardous or not. Different chemicals have different properties, needing it to match with the right container.

Schmidt ME Logistics only facilitates dry products, thus, liquids and gas are not part of its portfolio.

“We have multiple solutions in the UAE such as bulk container trucks, special liners for containers and have our own warehouses in Bahrain and Kizad AD which have specialised silos and warehouses to support. Here we also change large shipments into smaller loads as required by customers. These silos are also equipped with special duct filters to enhance the process,” said Dr. Wolfgang.

RSA-TALKE facilities have been designed to include containment systems: containment tanks, leakage trenches (to segregate the chemicals in the event of a spill).

“We also have special containment equipment depending on the packaging or product being handled like for IBCs, example over-drums,” Koepsel said.

RSA-TALKE handles the full customs clearance, and depending on the



FEATURES



product special approval from various authorities may be sought, as theirs are one of the few authorized facilities designed to handle certain types of products.

Schmidt ME Logistics follows all rules and procedures as stipulated by the government, with a well-trained team, which specializes in all doctrines concerning mainland or free zone rules.

Handling challenging substances

RSA-TALKE facilities have been specially constructed to cope with hazards in the unlikely situation that there is an issue.

"Our experienced staff have also been trained to contain any waste. But more importantly, we take several precautions to prevent these situations from arising in the first place," states Koepsel.

"We always want to contribute to raising the current standards for environmental safety in order to create a more sustainable working environment, which in turn will reduce the challenge of handling hazardous materials," he added.

RSA-Talke's general manager also noted their company has installed LEDs and sensors for energy saving and is also trying a pilot for solar paneling.

"We use ATEX certified equipment. Our fire fighting system is on par with NFPA standards," he said.

Schmidt ME Logistics, meanwhile, said it handles chemicals using

special bulk trailers and containers.

Shipping requirements

The key packaging methods and materials are always specified in the international acknowledged MSDS data sheets of the products.

Should the wrong packaging materials or methods be used, it can possibly lead to damages, or spills which could make the product a waste. This in turn will lead to environmental hazards and other pollution problems which are often difficult to clean up.

"Different materials have different rules and procedures. We take no short cuts and follow all rules and procedures as indicated by the government and the supplier of the products and more. In addition we ensure that all vehicles and equipment used are in perfect condition with regular checks and services. Each load is checked and documented and if any risk is identified the load is blocked," says Schmidt's CEO.

Material Safety Data Sheet (MSDS) needs to be analyzed and accordingly the right container is chosen for holding the product. Additionally, adequate packaging, load securement and correct material handling equipment are the main shipping requirements for RSA-TALKE.

Chemical transportation

RSA-TALKE follows Gulf SQAS standards for transportation. "We

are also working on getting the ADR regulations in place for land transportation to raise the standards for chemical transportation by land. Both of these standards are being promoted by the GPCA and we are currently working on a task force with the GPCA for the same. For air and sea freight we are following IMDG and IATA regulations, respectively".

Dupré Logistics provides a variety of logistics and transportation services, as evidenced by its broad range of trailing equipment, including crude, chemical and gasoline tankers; dry and temperature-controlled vans; reefers; and flatbeds.

"Dupré designs a logistics solution that considers shippers' various needs, and typically results in custom-building equipment for that application. When transporting chemicals we comply with all of the safety regulations set forth by the US government. Through our work with the Trucking Alliance we also work with other truckers to advocate for safer drivers and roads for our industry," says Matte.

Safety procedures

Schmidt Logistics is fully ISO 9001; ISO 14001 and OHSAS 18001 compliant and conform to these rules and in some cases more.

RSA-TALKE has stringent HSSEQ standards that are international grade and the highest in the industry, as well as specialized infrastructure



FEATURES

for maximum compliance.

With increased use of technology to follow shipments in transit, it is no longer a novelty for orders to be tracked from the time they are placed to the moment they are delivered. The sensitive nature of the materials being shipped makes robust tracking critical.

The benefits of adopting technology include the ability to automate freight execution and payment, receive notifications for important events along the way, and access

shipments against Gulf SQAS standards and some specialized internal programs that have been devised.

Schmidt ME Logistics uses GPS tracking on all its vehicles, with full checks before and after each load to ensure all equipment's are in good condition.

"All our staff is issued with the correct safety gear and regular checks are done to ensure all procedures are correctly followed. Documents are also completed to

warehouses and silos but it is to be noted that they mostly handle dry chemicals or powders only. For this kind of chemicals, there are specifics in terms of sprinkler systems, fire water containment, safety showers, and product containment regulations.

RSA-TALKE easily adjusts to shifts in the market by trying to act as partners to its customers, to help them anticipate industry trends and adapt accordingly to better deliver to their customer.

Schmidt ME Logistics has ample storage space to cope with fluctuations, either to carry excess stock to cover for shortages or have ample space to cover for low sales.

Challenges faced

Numerous challenges have prompted specialty chemicals manufacturers to seek help from third-party logistics providers (3PLs) in recent years.

Greater supply chain complexity; the need to comply with ever-more stringent trade, security, and environmental regulations; changing patterns of production and consumption; and the continual drive to operate more productively and profitably are just a few of those challenges.

"There are many challenges but the solution has always been to have the correct equipment, facility and well-trained staff to handle any challenge," concludes Dr. Wolfgang.

RSA-TALKE's integrated chemical hub for liquid bulk transportation and storing is a unique solution in the region.

"Due to our specialized facilities and systems, we are the only authorized storer of laden tanks. We also leverage the expertise of our parent companies, RSA and TALKE, through which we create sophisticated solutions which cover all customer requirements, including bespoke transportation and storage solutions," concludes Koepsel of RSA-TALKE.



centralized information, which facilitates tracking.

RSA-TALKE monitors chemical

monitor this," he says.

Safety and adaptability

Schmidt ME Logistics uses



Industry 4.0, automation, virtual reality

changing the landscape for materials handling industry

Materials Handling Middle East 2017, the region's dedicated trade fair for intralogistics, supply chain management, freight and cargo, will showcase how technology will drive the sector in the future with the emergence of Industry 4.0.





The Gulf Cooperation Council's materials handling equipment market is estimated to grow 4 percent annually up to 2020 to reach revenues of between US\$4.8 billion to US\$5 billion, according to analyst Frost & Sullivan.

But the industry is forecast to undergo an evolution through the emergence of Industry 4.0—the merging of automation and data exchange in manufacturing technologies, combining cyber-physical systems, IoT (Internet of Things) and cloud computing.

State of flux

Frederic Zielinski, General Manager of Swisslog Middle East, said the logistics industry is in a state of flux, with new themes such as Industry 4.0, digitalisation, and constantly changing consumer buying habits demanding new concepts.

"Industry 4.0 has the potential to reshuffle the cards in how businesses operate," said Zielinski. "With networked intelligence in manufacturing and self-organising production processes, the 'factory of the future' will perform a quantum leap in productivity, flexibility, and efficiency.

"The focus in the future will no longer be on the manufacturing process of purely mass-produced goods, but on the customised product manufactured to industrial standards, and thus on customers' requirements. This evolutionary step can only succeed, however, if we finally break down the barriers between the digital and real worlds."

Added Zielinski: "At our Materials Handling Middle East booth, visitors will learn more about software and smart data we offer and experience the combination and simulation of innovative logistics systems that make the vision of a sophisticated high-tech warehouse a reality today. Warehouse management software will be the key in the age of Industry 4.0, so we'll demonstrate our latest offerings in that direction as well."

GENAVCO, one of the UAE's leading suppliers of warehouse storage and material handling solutions, another



“The Gulf Cooperation Council's materials handling equipment market is estimated to grow 4 percent annually up to 2020 to reach revenues of between US\$4.8 billion to US\$5 billion, according to analyst Frost & Sullivan.”

exhibitor launching its end-to-end warehouse solution engineering capabilities during Materials Handling Middle East 2017, said the industry is adjusting with the changing times.

Neeraj Mahajan, the Director of GENAVCO, said material handling equipment represents an integral part of the supply chain of diverse industries for storage, control and movement of items – from the raw material stage to the distribution of finished products.

"The rising need for global production companies to automate operations and foster flow of goods in an efficient manner is the key force driving growth in the materials handling equipment market," said Mahajan.

"The main challenge for customers in this region is to get a complete solution from a single source. They have to approach two or three companies for a complete warehouse solution. This process itself is time consuming and most of the time they are facing great difficulty to get an optimised solution meeting their needs.

"Here we play a vital role with our Warehouse Solution Engineering to overcome this challenge by offering end-to-end solutions. We design and develop custom made concepts as per customer requirements, so projects are delivered from one source and in the timeliest manner."

Virtual Reality

More than 130 exhibitors from 21 countries representing 250 brands are participating at the biennial three-day event taking place from September 11-13, 2017 at the Dubai International Convention and Exhibition Centre.

Materials handling suppliers will turn to virtual reality 3D animation as educational tool for latest warehouse technologies

Armed with HTC Vive Goggles, supply chain heads will experience how different technologies in fully automated warehouses such as robotics and Industry 4.0 can work together.

The Virtual Reality 3D warehouse animation will be showcased by Swisslog, one of the world's leading



FEATURES



suppliers of robot-based and data-driven intralogistics solutions.

Daniel Hauser, Managing Director for Central Europe and the Middle East at Swisslog Warehouse & Distribution Solutions, said that while visitors can explore an automated warehouse in a fun way, they can also experience first-hand its unique benefits.

"Virtual Reality 3D warehouse animation will become a real service for customers in the future, and there are different ideas within Swisslog on how it can be deployed in the intralogistics world," said Hauser.

"It can be used in sales to show buyers what their future systems would look like up and running on site, and it can be used to simulate systems to determine the optimal material flow or to observe performance during projected peak times. Another vision is to provide access and track live operations of any facility in the world, as well as play back historical data for error analyses," he added.

Swisslog will also introduce its new AutoPiQ solution, a robot based automated picking solution for small items, ideal for e-commerce,

pharmaceutical or spare parts logistics.

Other leading warehousing automation specialists such as Kardex, GreyOrange, SSI Schaefer, and Daifuku, the world's largest materials handling systems supplier, are also preparing something unique for this year's participants to the show.

Andrey Kras, Account Manager at Daifuku's International Business Department, said the company also plans to use virtual reality at its booth so customers can visualise automated systems of their choice.

"The hotness of the automation topic in previous years was measured by the level of surprise and discoveries made by Middle East managers as to how automated equipment can benefit their businesses," said Kras. "Now is the time to make business decisions & start buying new automated systems.

"Daifuku's name is still unknown to many in the industry in this region, so raising brand awareness is one of our main goals at Materials Handling Middle East 2017. We plan to continue using our booth as an education platform with multiple teaching aids to

get ideas of automation across."

Ahmed Pauwels, CEO of Messe Frankfurt Middle East, the organiser of Materials Handling Middle East, said: "The influx of leading players to Materials Handling Middle East underlines the enormous potential of the region as a leading market for materials handling, warehousing and supply chain solutions. The event will continue to be the place that hosts key business deals and where fruitful partnerships are forged."

Materials Handling Middle East 2017 will feature the 2nd edition of the Supply Chain and Logistics Forum, an interactive summit bringing together regional industry professionals along with their international counterparts, government bodies, and policy makers to discuss key challenges and growth opportunities for logistics in the Middle East.

The event will also return with the highly popular Forklift Operator of the Year, a unique competition where the UAE's most skilled forklift jockeys go head to head to be crowned the country's most skilled, safest, and efficient forklift operator.

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It's business as usual for CACC at Cairo Cargo City

Egypt forecast the cargo volume at the airport to reach 800,000 tons or even 1 million tons by 2025

After the violent and tumultuous years that followed the Arab Revolutions in 2011, Egypt is back in full swing with its race to economic reforms.

The transcontinental country spanning between Africa, Asia and the Middle East remains struggling to have some sense of normalization on how to deal with its future development and crucial to this are entry points whereby free flow of trading goods and services can be achieved.

The new terminal at the Cairo International Airport's Cairo Cargo City (CCC) offers a window of opportunity for Egypt to rebound with figures indicating the country's agricultural products getting more in demand in Europe, the Middle East and Asia.

Egypt forecast the cargo volume at the airport to increase to 800,000 tons in 2025 or may even reach 1 million tons by then if the positive trend continues.

Cairo Airport Cargo Company (CACC), a private shareholding company which has been in the air freight industry since 1991, is among those strongly optimistic about the country's future.

Positive signs

And all indications are there. Panalpina, a world leader in logistics and forwarding services, had chosen CACC's terminal at CCC to establish its first country head office in Egypt in late 2016.

This year, CACC has been granted the license to operate a radioactive warehouse at CCC. Emirates SkyCargo also awarded CACC a multi-year agreement to provide cargo handling services to its 17 weekly flights to Cairo and to its one freighter per week route in the city.

In July 2017, the company also began providing tailor-made logistic solutions for all Saudia Cargo shipments bound for Egypt. Saudia Cargo operates about 20 flights per day to the country.

Apart from that, CACC continues its long-established partnership with major global carriers like Lufthansa Cargo AG, Qatar Airways, Etihad Airways, British Airways, Austrian Airlines, Aegean Airlines, Oman Air, DHL Aviation, Alitalia as well as various charter companies.

On August 7, the EU lifted the seven-year long ban on imports of Egyptian Arabian horses, enabling the Cairo International Airport to facilitate the shipment of eight live Egyptian horses to Frankfurt, Germany.

"We are honored to announce that this unique consignment was successfully handled at CACC new cargo terminal by the IATA certified CACC Live Animals Team. Upon their arrival to



CACC export terminal three hours prior to flight departure, these unique beauties were delicately checked and carefully loaded into three horse containers/stalls to ensure maximum safety and comfort throughout the whole flight," CACC said.

'Egypt will recover'

Mahmud Ibrahim, managing director of CACC told **Air Cargo Update** in an interview in Paris where the company participated at the 28th Air Cargo Forum, their company has one of the biggest terminals in Africa and it was built on a vision that Egypt will once again become economically strong.

Ibrahim said 70 percent of Egypt's exports are perishables and keeping this in mind, their company set up a warehouse with adequate space and temperature controlled facilities for items like fruits and vegetables.

"In Egypt, the government is focusing to encourage export with good incentives. I believe in the coming years Egypt will have more market share in the export industry," said Ibrahim who worked for Lufthansa in various top executive capacities before he was tapped to manage CACC. "Most perishables from Egypt go to Europe, Germany, London, other parts of the UK, in Arab countries like

Saudi Arabia and the UAE."

After Europe, China is fast becoming Egypt's biggest trading partner with the volume of trade exchanges between them reaching \$5.178 billion from January to June 2017.

Egypt's exports to China year-on-year increased by 298.37 percent to reach \$660 million while the Chinese exports to the country decreased by 20.79 percent to \$4.518 billion.

Economic relations between the two countries are expected to flourish more with Egypt now part of the Silk Road Economic Belt trade union. At this year's BRIC's Summit, China pledged to invest \$11.2 billion to Egypt's economy.

"I'm very optimistic that Egypt will recover. This is my personal opinion," the cargo executive added, noting that the country offers quality products and services but cheaper production and labor costs compared to others in the Arab world.

Egypt's GDP is expected to grow by 3.9 percent this year, World Bank said, with private investments picking up in the second half of FY2017.

But the wealth gap remains wide with a significant percentage of Egypt's more than 95 million people earning less than the equivalent of \$2 a day.



TRUCKING

'Connected Trucks'

concept to yield 200 more Mercedes-Benz Actros trucks in the UAE

“We are excited about our partnership with Liebherr as we continue to support Abu Dhabi and the UAE reach their visions. Our aim is to provide the best vehicles and technology to meet the needs of our client's business. Nothing fits this description better than the Mercedes-Benz brand promise and EMC's commitment to service excellence.”

–Bilal AlRibi, General Manager of EMC Daimler CV.





Known for durability, safety and state-of-the-art features, the Mercedes-Benz Actros trucks are a popular choice in the Middle East.

This year, the German-carmaker made another historic milestone when the Mercedes-Benz Trucks became the first manufacturer worldwide to get the new Active Brake Assist 4 (ABA 4) safety assistance system with pedestrian detection and Sideguard Assist for the Mercedes-Benz Actros on the road.

One of the first customers to put an Actros tractor unit on the road with the full safety pack (ABA4 with pedestrian detection, Lane Keeping Assist, Proximity Control Assist, Attention Assist and driver's airbag) and Sideguard Assist is SiloNet, a company based in Beckum and Sulingen, two towns in north-west Germany.

The business, established in 2015 as a 50:50 joint venture between haulage company Gerdes und Landwehr and Holcim Deutschland (Germany's leading manufacturer of building materials), is using the Actros 1843 with silo semitrailer to transport cement, raw materials for cement and pulverised lignite, primarily on a regional basis.

On these transport routes containing a high proportion of urban area, the new safety systems provided by Mercedes-Benz Trucks can help to considerably reduce accident figures. The installation of active safety systems in the Actros models is correspondingly high.

Innovative partnership

Now an innovative alliance between the Abu Dhabi-based Emirates Motor Company (EMC) Daimler Commercial Vehicles and Liebherr will yield to 200 more of these heavy duty trucks on the roads of the United Arab Emirates.

The two companies recently formed a strategic partnership to supply 200 units of Mercedes-Benz Actros trucks with mixers to help firms across the UAE deliver on their infrastructural



commitments to the growing landscape.

The partnership will comprise a supply of 200 Actros 8x4 with 12 CBM Liebherr Mixers, out of which 100 units will be supplied to one of the largest ready-mix companies in the UAE, the companies said in a joint statement.

Dubai, the tourism and financial hub of the UAE, is hosting World Expo 2020. This will run from October 20, 2020 through April 2021, and is projected to bring in at least 25 million tourists to the country.

The UAE government is investing more than Dh16 billion for new infrastructures in the staging of the world fair and in preparations leading up to the event. More than 270,000 new jobs will be created in the process.

Technically coordinated fit

The state-of-the-art technology will come with a 'Connected Trucks' concept where a unique Fleetboard system will be used for vehicle tracking and driver's performance measurement. The combination of Mercedes chassis and Liebherr mixer bodies are a perfect technically coordinated fit and form reliable and high-quality truck mixer units.

EMC is the authorized Mercedes-Benz distributor in the Emirate of Abu Dhabi and the flagship company of

ALFAHIM. It will supply top-of-the-line Mercedes-Benz commercial vehicles with a five-year extended warranty. Plus, a comprehensive repair and maintenance contract for five years will be included with full support all over the UAE.

Additionally, EMC will provide drivers' training courses for enhanced safety on the road and economical driving techniques.

"We are excited about our partnership with Liebherr as we continue to support Abu Dhabi and the UAE reach their visions. Our aim is to provide the best vehicles and technology to meet the needs of our client's business. Nothing fits this description better than the Mercedes-Benz brand promise and EMC's commitment to service excellence," said Bilal AlRibi, General Manager of EMC Daimler CV.

Liebherr has contributed significantly to the rapid expansion of the United Arab Emirates, and worked on various notable and high-profile projects.

"This strategic partnership with EMC aims to increase our existing mixers to address the growing demand in the infrastructural industry where comfort, economy, driving dynamics and variety are concerned. It is also the result of our business expansion strategy in this market," said Liebherr's Marketing & Sales Director Markus Mueller.



AIRLINES

UAE, India working to introduce more flights and airports



DUBAI: With the 130,000 weekly allotted air seats for India out of the UAE exhausted, the two countries have initiated talks to ease the quota and add more flights.

Dr. Ahmed Abdul Rahman Al-Banna, UAE Ambassador Extraordinary and Plenipotentiary to the Republic of India, has held extensive discussions with India's Minister of State for Civil Aviation Jayant Sinha on augmenting

air transport facilities and services between the two countries, the UAE State News Agency WAM reported.

"Both parties agreed to set up a meeting between the General Civil Aviation Authority of the UAE and the Civil Aviation Authority of India to propose a new agreement and policy for the bilateral air services agreement," according to a statement from the UAE Embassy in New Delhi after Dr. Al-

Banna's meeting with Sinha.

"The UAE is willing to add few more flights and routes to connect regional airports in India to those in the UAE that will lead to affordable prices with the required capacity and also needs to focus on an open sky policy that raises the potential for enhancing UAE - India ties," the ambassador added.

Under the UAE and India's Air Services Agreement, talks for more flights and quotas should be initiated when 80 percent of the allotted air seats are consumed.

More than 2 million Indians live and work in the UAE. They constantly travel between the destinations and also bring family members to the Emirates for business or tourism.

Indian carriers are reportedly reluctant to negotiate new quotas because they can hike up ticket prices if demand outstrips supply and no new agreement is in place.

Airlines in the UAE, however, want to increase capacity to enable more passengers to fly to cities in India and connect with other airports in the Gulf and beyond at affordable and reasonable prices.

Oman Air passenger traffic in Malaysia up 46 percent

MUSCAT: Oman Air's market share in Malaysia continues to grow with figures showing a 46 percent rise on passenger traffic in 2016 compared to 2015 after the airline doubled its weekly flights between Muscat and Kuala Lumpur.

With 14 flights a week, the 90,000 passenger traffic in 2015 rose to over 132,000 in 2016, according to Muscat's state-owned airline.

The increase was also attributed to Oman Air's code-share partnership with Malaysia Airlines, connecting their guests to an even wider range of destinations across Malaysia, China and Australia.

Oman Air CEO Paul Gregorowitsch underscored their gains in the oil-rich Asian country during a recent visit to

Kuala Lumpur where he met with the media & other industry stakeholders. In India, Gregorowitsch said Oman's open sky air service agreement with the country resulted to a number of new routes and more flights.

The airline now serves 21 weekly flights to Delhi, Calicut and Hyderabad and 14 flights a week to Lucknow. Last month, Oman Air introduced a third daily flight from Mumbai to Muscat, raising the overall weekly frequency of flights to India from 154 to 161.

In Zurich, the CEO said the airline's new codeshare agreement with Germany's Lufthansa Airline resulted to more daily flights from Muscat to Geneva via Frankfurt.

"We look forward to building on our strong relationship with these nations for many more years to come and to boosting the economic and tourism prospects between our countries," said Gregorowitsch.



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AIRLINES

Ethiopian launches thrice a week flights to Bahrain

ADDIS ABABA: Ethiopian Airlines Group, the largest airline in Africa, recently launched its thrice a week service between Ethiopia and Bahrain, bolstering tourism and business in the two countries.

At a reception ceremony held at Addis Ababa Bole International Airport on August 17, Tewolde GebreMariam, Group CEO Ethiopian Airlines, said: "Bahrain is an important destination in the Middle East joining the ever emerging Ethiopian destinations to the Gulf. We are glad that we have resumed our services following the growing trade, tourism & investment ties between Bahrain and Ethiopia and the continent of Africa at large."

"With more than 100 passenger and cargo destinations worldwide, our network is designed in such a way that connect Africa with the major trading partners in Asia, Middle East, South



Tewolde GebreMariam, Group CEO Ethiopian Airlines, center, leads in cutting the cake celebrating the airline's bid to serve Bahrain.

and North America and Europe. The fact that the flight is full from its commencement flight designates the success and significance of our service to Bahrain," he added.

Ethiopian flies to more than 100

international passenger & cargo destinations across 5 continents, including major cities in the Middle East: Dubai, Beirut, Dammam, Doha, Jeddah, Kuwait, Madinah, Muscat, Riyadh & Sharjah.

Pegasus in top 10 Global Airline Rankings for Ancillary Revenues

ISTANBUL: Pegasus has earned a place in the top 10 Global Airline Rankings for Ancillary Revenue as a Percentage of Total Revenue with its ancillary revenue for 2016 comprising 22% of total revenue, up from 10.1% five years ago.

IdeaWorksCompany reviewed 138 airlines for the research and found out 66 gained in terms of ancillary revenues.

"We are proud and delighted to be part of the Top 10 global rankings for ancillary revenues; and we can attribute much of this success to our mission at Pegasus to transform the company into a full travel brand that answers all guests' travel needs with a door to door experience beyond ticketing, including providing transfers to the airport and accommodation," said Pegasus Airlines CEO Mehmet T. Nane.

"In 2016 we increased our per guest revenue from ancillaries by 3.7% year-on-year, from €9.77 to €10.13 and we will continue to prioritise this area in coming years because we believe there is still room to grow," he added.

Air India all female crew join parade on Independence Day



NEW YORK: Air India's all female crew, which made a world record in March, for flying a Boeing-777 plane from Delhi to San Francisco over the Pacific Ocean and then returning across the Atlantic marked India's 70th Independence Day on August 15 in a parade in New York.

Captains Sunita Narula, Kshamta Bajpai, Indira Singh and Gunjan Aggarwal who shared piloting duties on the 15.5 hour long flights shared the glory with their all female cabin crew and passengers.

India Air, the country's flag carrier, said the initiative was to promote gender equality in the nation which continues to be a male-dominated society.

materials handling

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- ✓ Government estimates air cargo segment to grow at 9%
- ✓ Indian government to ensure paperless air cargo processing with digital signature for transmissions
- ✓ Boost to e-commerce and exports with the 'Make in India' initiative
- ✓ Regional Connectivity Scheme - UDAN by the Indian government to offer huge opportunity for inbound and outbound cargo movements

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GCAA grants first AFIS certificate to Sir Bani YAS Airport



Bani Yas Island, Abu Dhabi

ABU DHABI: Abu Dhabi Airports has been awarded the UAE's first Aerodrome Flight Information Services (AFIS) certification from the General Civil Aviation Authority (GCAA) for Sir Bani Yas Airport.

The airport mainly caters to tourists visiting the Sir Bani Yas Island, an eco-resort some 250 southwest of Abu Dhabi, which is part of the "Desert Islands" and home to Arabia's largest wildlife reserve.

AFIS is provided at airfields where flight information is required, but where the aircraft traffic does not warrant having a full control service, according to the Emirates State News Agency WAM.

AFIS can provide information to pilots about other known traffic that is landing, taking off, or flying in the vicinity of the airfield, as well as relevant meteorological information and status of the runway, it added. Based on the information received from AFIS, the pilot determines the best way to safely operate the flight.

"The successful delivery of this project means that Sir Bani Yas is the first unit within the UAE to obtain this type of certification. We thank all our partners and stakeholders for their kind support, and look forward to the further development of this airport," said Eng. Awaidah Murshed Al Marar, Chairman of Abu Dhabi Airport.

Saif Al Suwaidi, Director-General of GCAA, said, "The Aerodrome Flight Information Service Regulations are the first in this region, and in fact, amongst the first in the world. Thus, the issue of a certificate for this service is a new concept, and it has taken a great deal of preparation in order to achieve the high standard necessary for the approval to be awarded. Abu Dhabi Airports and GAL Air Navigation Services are to be congratulated for their accomplish-



ment as the first unit in the region to receive this ground-breaking certification."

Mohammad Al Dossari, GCAA Director of Air Navigation and Aerodromes, awarded the first AFIS certificate in accordance with the Civil Aviation Regulations. Al Dossari praised the company for its application and for the significant amount of diligent work that has been applied in order to process the required documentation and procedures.



The Aerodrome Flight Information Service Officers, AFISOs, had to be trained to GCAA standards to achieve certification. Also, new AFIS procedures were introduced, a watch tower was built, and technical equipment, including communication and recording systems, were installed.





AIRPORTS

RAK International Airport passenger and cargo volume up



RAS AL KHAIMAH: The tiny international airport at UAE's Ras Al Khaimah is seeing unprecedented rise in passenger and cargo volume this year as the emirate opens up for more tourists and businesses.

RAK Airport CEO Mohammed Qazi said charter flights have been running throughout the summer for the first time as Ras Al Khaimah moves towards being a year round destination for tourists. The first scheduled direct service to Europe via RAK also kicked off with a connection to Prague, raising passenger volume to 6 percent.

Cargo volumes are up 30.2 percent year-on-year to date with more business activities generated through

additional routes.

"2017 started strongly as we continued our focus on promoting Ras Al Khaimah as the fastest-growing tourist destination regionally as well as the specialist cargo centre in the regional market, but summer was something we wanted to target this year as an indicator of our growing success," said Qazi in a statement.

"Even though the summer success has seen us breaking previous records, we have already finalized our winter charters schedules and are introducing further new scheduled routes, such as Romania, starting from December," he added.

The CEO said the company is

investing on new departures terminal and cargo facilities to spruce up business.

"While the commercial performance has been at its strongest in our history, we have also invested in infrastructure with a new departures terminal and we'll be completing our cargo expansion by the end of the year," Qazi noted, stressing that technological innovation also plays a crucial role on their growth.



Mohammed Qazi
CEO, RAK Airport

He thanked the rulers of the emirate as well as Engr. Sheikh Salem bin Sultan Al Qasimi, Chairman of RAK Airport, for their vision and support to promote business and opportunities at RAK.

Busy July at DXB with 8 million passengers

DUBAI: Some 8 million passengers passed through Dubai International (DXB) in July, its busiest month on record so far, according to operator Dubai Airports.

Passenger numbers in July totaled 8,065,789 up by 5.9 percent compared to the same month a year ago, bringing to more than 51 million the passenger traffic for the first seven months of the year. The figure is up 6.2 percent compared to the previous record.

Cargo volumes are also up at DXB with air freight totaling 213,258 tons in July, up 5 percent compared to 203,153 tons recorded during the corresponding month last year. During the first seven months of 2017, DXB handled a total of

1,516,169 tons of cargo compared to 1,485,177 tons during the same period in 2016, an increase of 2.1 percent.

"We have started the second half of the year on a very positive note and with the Islamic festival of Eid Al Adha coinciding with the summer rush later this month, the upward trend is expected to remain strong in the third quarter," said Paul Griffiths, CEO of Dubai Airports.

South America was the fastest growing region in July with traffic surging 59 percent, followed by Asia at 20 percent, with China and Thailand as top contributors to traffic from the region, Eastern Europe at 16.3 percent, and Africa which grew by 9.1 percent.

India retained its position as the top destination country with 1,028,508 passengers, followed by the UK with 610,151, and Saudi Arabia with 573,170. The most popular destinations served from DXB by traffic volume were London, followed by Kuwait, Mumbai, Bangkok and Riyadh.

Year to date flight movements totaled 240,179 compared to 243,832 recorded during the same period last year, a contraction of 1.5 percent. With DXB's ratio of wide-bodied aircraft continuing to drive airport efficiency, passengers per movement peaked to a record high of 243 during July, up 10.1 percent compared to 220 in July 2016.

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SUPPORTERS





AIRPORTS

'flyadeal' ready to take off this month



DUBAI: Saudi Arabia's low-cost airline, flyadeal, which will operate out of the King Abdulaziz International Airport in Jeddah, received the first of eight aircraft it will lease from Dubai Aerospace Enterprise (DAE) Ltd.

flyadeal is a subsidiary of the internationally-acclaimed Saudi Arabian Airlines group. The airline will offer low-cost travel options to leisure and business travelers and service destinations in the Middle-East and beyond. flyadeal will begin flight operations in September 2017, according to a statement from the DAE.

The Airbus A320-200 aircraft was

delivered at the Airbus delivery center in Hamburg, Germany in mid-August. The plane and the remaining seven up for delivery will come equipped with CFM 56-5B4/3 PIP engines.

These modern, fuel-efficient planes will be delivered in 2017 and 2018 & are part of a direct order DAE has with Airbus.

Commenting on the deal, DAE Chief Executive Officer Firoz Tarapore said: "DAE is pleased to welcome flyadeal on-board as a new customer. We are delighted to be able to support flyadeal's fleet strategy as it begins operations, and we look forward to working with the airline to fulfill its fleet

ambitions, going forward."

Chief Executive Officer of flyadeal, Con Korfiatis said: "flyadeal has selected key partners from across the aviation industry to deliver services that provide the most economical solutions for flyadeal's low-fare, high value business model. Dubai Aerospace Enterprise's long-standing presence in aviation solutions presented the ideal platform to build the new fleet for flyadeal."

Airbus Commercial Aircraft Chief Operating Officer - Customers, John Leahy said: "It is a pleasure to expand our partnership with Dubai Aerospace Enterprise and be a part of flyadeal's official operational launch."

dnata goes green with new recycling program

DUBAI: dnata, one of the world's largest air services providers, has ramped up its recycling program for its fleet of 12,000 units of GSE (Ground Services Equipment) in both its Dubai hubs (DXB and DWC).

So far, more than 80 units of GSE have been renewed at the GSE maintenance base, reducing waste they generate by 110 tons while passing all safety and quality checks.

The projection for 2017 is an estimated 140 pieces of GSE being recycled, saving the company approximately over AED13 million, and reducing waste by 250 tons.

Dnata President Gary Chapman said environmental sustainability is a

necessity that the company seriously takes and that more similar programs are in the pipeline.

"We are getting creative and innovative when collaborating with our equipment suppliers, to seek more environmental efficiencies for our fleet," he said.

The dnata GSE maintenance facility, located at DXB airport spans 36,000 sqm and employs 1,145 dedicated team members who carefully check the GSE for any faults before replacing parts that need renewing, therefore extending the lifespan to up to 18 years.

Other initiatives for a greener operation also include the conversion

of all forklifts in dnata's cargo operations to electric. Out of a fleet of 102 forklifts in Dubai, currently, already 73 are electric, with the rest being diesel powered.

The plan is to replace all current diesel forklifts by the end of 2017 with electric alternatives - reducing the carbon footprint at dnata's cargo operations by 80 percent, generating a fuel savings (consumption) of 200,000 liters per year, and CO2 emissions reduction of 47 tons per year.

Globally, over 300 pieces of environmentally-friendly electric tow trucks, forklifts, conveyor belts and push back tractors are in dnata's operations today and this number is on the rise.



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AVIATION

Moderate growth on global passenger traffic in July



The total revenue passenger kilometers (RPKs) worldwide grew 6.8 percent in July raising the load factor for the month to 84.7 percent and indicating a strong global appetite for traveling despite economic uncertainties in many fronts.

The International Air Transport Association (IATA), which represents 275 airlines and more than 100,000 agents worldwide, posted the strongest growth in July with a 10.5 percent demand increase, raising its load factor to 84.9 percent.

"As is evidenced by the record high load factor in July, the appetite for air travel remains very strong. However, the stimulus effect of lower fares is softening in the face of rising cost inputs. This suggests a moderating in the supportive demand backdrop," Alexandre de Juniac, IATA's Director General and CEO, said in a statement.

European carriers also posted strong growth during the period at 7.5 percent

jumping its load factor to 88.7 percent.

Airlines in Asia-Pacific saw a 5.9 percent jump on passenger traffic in July but slightly lower compared to June's record of 8.8 percent acceleration.

In the Middle East, carriers had a 4.5 percent increase in demand in July, up from 3.6 percent in June despite a slowdown on flights going to the US.

"The Middle East to North America market has been affected by a combination of factors in 2017, including the recently-lifted cabin ban on large portable electronic devices, as well as a wider impact from the proposed travel bans to the US," said IATA.

"Traffic growth on the Middle East-US route was already slowing in early 2017, in line with a moderation in the pace of expansion of nonstop services flown by the largest Middle Eastern airlines. July capacity climbed 3.6% compared to a year ago and load factor rose 0.7 percentage points to 81.5%," it added.

Airlines from Africa experienced a 6.5 percent increase in traffic but still not enough to push for more profits as the region's two largest economies—South Africa and Nigeria—continue to diverge amid recession and reduced business confidence.

In 2016, 3.8 billion passengers traveled and some 54.9 million tons of goods were shipped via air freight.

IATA said the levels of profitability vary widely depending on the region but pointed out "North American airlines earned almost four times more per passenger than airlines in Asia-Pacific & Europe."

De Juniac said Latin American and Middle East carriers "generated aggregate profits slightly better than breakeven, while African carriers remained in the red."

The industry raked in profits of \$34.8 billion from revenues of \$705 billion in 2016.

International Passenger Markets

July 2017 (year-on-year)	World Share	RPK	ASK	PLF	PLF Level
Total Market	100%	6.8%	6.1%	0.6%	84.7%
Africa	2.2%	5.9%	1.5%	3.1%	74.1%
Asia Pacific	32.8%	8.4%	7.9%	0.3%	82.0%
Europe	26.5%	7.7%	6.2%	1.2%	88.5%
Latin America	5.2%	7.7%	7.3%	0.3%	84.8%
Middle East	9.6%	4.6%	4.1%	-0.4%	81.2%
North America	23.7%	4.5%	4.5%	-0.1%	85.6%

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EXECUTIVE MOMENTS

Matt Elliot is Air BP's new Chief Commercial Officer



Matt Elliot

SUNBURY: Leading international aviation fuel products and services supplier, Air BP, has appointed Matt Elliott as Chief Commercial Officer, responsible for the company's global sales, marketing strategy and its digital and low carbon commercial agenda.

Matt will be based at Air BP's global headquarters in Sunbury on Thames, UK and will report directly to Air BP CEO Jon Platt.

"Matt's breadth and depth of experience will be a real asset as Air BP continues to grow its business. He brings an impressive track record of success in developing and delivering winning strategies, setting robust safety and operational agendas and building strong teams. We are excited to have him join our team," said Platt.

After earning his university degree in 1994, Matt joined BP and has held positions in sales, marketing and operations across the company's fuels businesses in Australia, New Zealand, Fiji, the UK and USA.

For the last five years, he has held the position of Managing Director, BP New Zealand, where he has been responsible for successfully leading all aspects of operations in the country including the development and implementation of a sustainable winning strategy.

Delta Cargo names Shawn Cole as Vice President logistics division

ATLANTA: Delta Air Lines (NYSE: DAL) has named Shawn Cole, vice president of Delta Cargo who will be primarily responsible for the company's logistics division.

Described as a "solutions-driven Delta executive" - Cole previously served as Vice President-Finance and Corporate Planning, where he demonstrated his extensive experience in leadership, financial planning, analysis and team coordination.

"Shawn is a solutions-driven Delta executive of nearly 10 years," said Gareth Joyce, President - Delta Cargo and Senior Vice President - Airport Customer Service. "He has consistently motivated organizations to deliver maximum productivity, improve top-line growth and control costs through the most effective use of available resources and tools. This expertise positions Shawn to continue Cargo's successful momentum as well."

Cole is also well known for his dedication to servant leadership and his support for many community partners such as the Atlanta Children's Shelter and Atlanta Public Schools.



Shawn Cole

A native of High Point, North Carolina, Cole holds a Bachelor of Arts degree in accounting from North Carolina Agricultural & Technical State University. He earned his Masters of Business Administration from the Kellogg School of Management at Northwestern University.



Lisa Oxentine

American Airlines Cargo appoints Oxentine as new MD

DALLAS: American Airlines Cargo named a career-driven mother of two as the new managing director, Global and Key Accounts - Cargo Sales

Lisa Oxentine takes over Roger Samways' previous position, after his promotion to vice president of the Cargo Sales division earlier this year.

Oxentine joined American Airlines in 1987 as a frontline customer service agent and brings a breadth of experience having held positions in a number of different departments.

"After an extensive search, we're pleased to welcome Lisa to Cargo," Samways said. "Her experience working with and for customers will prove to be a highly valuable asset to Cargo Sales. This is an important role, and we know she has what it takes to lead our Global and Key Accounts team, while building and growing lasting relationships with our customers."

Oxentine is a board member on the Southern Methodist University Athletic Forum and a mother of two. She will be based in the American Airlines Cargo headquarters office in Dallas-Fort Worth.

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TECHNOLOGY

NYU Abu Dhabi researchers develop breakthrough hack-free computer chip

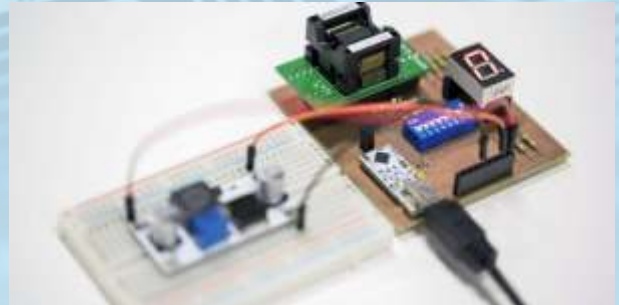
ABU DHABI: Researchers at New York University Abu Dhabi's Design for Excellence (Dfx) lab have developed a new security chip that would make it nearly impossible for hackers to attack, sparing people and businesses trouble.

The new "logic-locked" security chip is said to be immune to reverse-engineering and only allows authorized users to utilize the device.

As IT security rises to the forefront of public concern in the wake of recent cyber security attacks such as the WannaCry and Petya/NotPetya ransomware, academic solutions have been investigated in order to secure future systems from hackers, the Emirates News Agency WAM reported.

With any electronic device claiming to be "smart" containing a chip, from cell phones and computers to airplanes and medical devices, chip security has become a subject of priority amid the broadening debate surrounding measures for cyber defense.

"Traditionally, security features are implemented at the software or system levels. For the first time, we have security implemented at the lowest possible level, the hardware level. This is quite important because if the hardware is compromised, there is no software or system security fix," Ozgur Sinanoglu, NYUAD Associate Dean of



Engineering for Academic Affairs, Associate Professor of Electrical and Computer Engineering, and Head of Design for Excellence, Dfx said.

"This chip can be unlocked only by loading the secret binary key on its memory. Without it, the chip will not work. Only when the secret key has been loaded will the microprocessor unit inside execute the program loaded on its memory," he added. The paper containing the extensive research conducted by NYUAD's Dfx team into logic-locking technology will be presented in November at this year's edition of the ACM Conference on Computer & Communications Security, ACM CCS 2017, the leading cyber security conference in the world.

Tech leaders call on UN to ban 'killer robots'

MELBOURNE: Technology and business leaders have called on the United Nations to ban "killer robots" that some despots or terrorist groups could take advantage of to sow evil and change the world order.

The more than 100 signatories to the open letter to the UN, include Elon Musk, Google DeepMind co-founder Mustafa Suleyman, whose AI and robotics companies generate billions of dollars in business activities in various industrial sectors across the world. This is the first time they have taken a joint stance on the issue.

Previously, it was only Canada's Clearpath Robotics that had formally called for a ban on the use of lethal autonomous weapons.

"Lethal autonomous weapons threaten to become the third revolution in warfare," the tech leaders stated in their open letter released last month as the world's biggest forum on AI, the International Joint Conference on Artificial Intelligence or IJCAI 2017 was held in Australia. "Once developed, they will permit armed conflict to be fought at a scale greater than ever, and at timescales faster than humans can comprehend."

"These can be weapons of terror, weapons that despots and terrorists use against innocent populations, and weapons hacked to behave in undesirable ways. We do not have long to act. Once this Pandora's box is opened, it will be hard to close."

Toby Walsh, Scientia Professor of Artificial Intelligence at the University of New South Wales in Sydney, stressed technology can be used to advance the way of life in any society or lead to its extinction.

"Nearly every technology can be used for good and bad, and artificial intelligence is no different. It can help tackle many of the pressing problems facing society today: inequality and poverty, the challenges posed by climate change and the ongoing global financial crisis. However, the same technology can also be used in autonomous weapons to industrialize war," Walsh said.

While the military has used AI to make the battlefields a safer place for soldiers, experts fear offensive weapons that operate on their own could indiscriminately be used to attack humans. The US, Russia and some other countries that sell weapons are already in the process of developing remotely controlled unmanned weapons that can be used in air, land or sea combats. South Korea's Samsung SGR-AI sentry gun, for instance, is reportedly capable of firing autonomously.

This weapon was designed to perform surveillance, voice recognition, tracking and firing with mounted machine gun or grenade strategically placed along the South Korean border of the 2.5-meter wide Korean Demilitarized Zone it shares with its rogue neighbor, the nuclear powered North Korea.



Caspian Air Cargo Summit 2017

9-11 October, 2017 | Boulevard Hotel | Baku, Azerbaijan

The 7th Caspian Air Cargo Summit 2017 is the largest and most comprehensive aviation event in the region, bringing the international air cargo market leaders to Baku. The ideal one-stop platform to find out about the latest developments globally and especially in CIS/Central Asia. This year's event will have special focus on the oil & gas industry, innovation in logistics, collaboration in the supply chain and e-commerce. Simultaneous interpretation in English and Russian available.

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- Innovation

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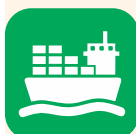
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MEBAA Show Morocco

This two-day outdoor event provides the ideal platform for business aviation suppliers, providers and buyers to network and establish new relationships in North Africa. MEBAA Show Morocco will feature a static display area, around 50 exhibitors and 25 aircraft.

Marrakech Menara Airport, Morocco

September 12-13, 2017

5th CCP Pharma & Bioscience Conference and Exhibition

This event brings together Cool Chain industry leaders to discuss pressing challenges and what the future holds for them. The conference will be held alongside the ULD Care Conference & the 9th Annual Air Cargo Handling Conference—three programs combined to offer a unique, holistic & passionate insight & perspective on air freight logistics & transportation of Cool Chain products.

Corinthia Hotel I Budapest, Hungary

September 18-19, 2017

9th Air Cargo Handling Conference

The 2017 ACH Conference will be held alongside the ULD CARE annual conference & the Cool Chain Association, all under the same roof & offering joint activities so at time the agendas will merge. Each will be discussing key issues within ULD's, messaging bottleneck, e-AWB implementation, CEIV pharma & industry training.

The Corinthia Hotel, Budapest

September 19-21, 2017

17th Freighters World Conference

The ideal platform for industry debate on key themes facing the air cargo industry, the 17th Freighters World Conference organized by Air Cargo Week, will gather airlines, airports, charter brokers, financiers, ACMI operators, aircraft manufacturing conversion company or integrator executives. Case studies, panel debates, exhibitions & networking opportunities are among the highlights.

InterContinental Chicago, Chicago, USA

September 25-27, 2017

FIATA World Congress

This year's theme, "Logistics Bridging Global Trade" will be a platform to discuss how the industry can facilitate the super-efficient movement of goods across international boundaries. Key components to this goal will be discussed at the conference—from the influence of customs policies, worldwide legislative developments in transport, to the latest in technology, training and guidelines in security and safety.

Kuala Lumpur Convention Center I Kuala Lumpur, Malaysia

October 04-08, 2017



China (Shenzhen) Int'l Logistics & Transportation Fair (CILF) 2017

Jointly held by Shenzhen Municipal People's Government, China (Shenzhen) International Logistics and Transportation Fair (CILF) is the leading Logistics & Transport Expo in Asia.

As a professional, effective, reliable and wide exchange platform for all players in logistics, transport and relevant industries all over the world, the CILF attracts numerous international well-known firms to exhibit and further promotes the international influence of China logistics industry since 2006.

Shenzhen, China

October 12-16, 2017



TIACA Executive Summit

TIACA's Executive Summit "Future Proofing Air Cargo" will be attended by air cargo supply chain decision makers from across the globe to network, grow business opportunities, and learn about the latest technologies and trends from the experts.

Miami, Florida, USA

October 18-20, 2017

Dubai Airshow

The Dubai Airshow, first held in 1986 under the name Arab Air, is the foremost aerospace event in the Middle East.

The show features an extensive display of civil and military aircraft and sees trade delegations attending from across the world.

A firmly established aviation event, Dubai Airshow 2015 gathered 1,103 exhibitors from 63 countries, more than 66,000 trade visitor and generated an order book of \$37.2 billion.

DWC, Dubai Airshow Site

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