

Part I: Aircraft Sales for 2014

1. **Boeing: Deliveries and Net Orders for 2014**
2. **Airbus: Deliveries and Orders for 2014**
3. **Epicos “Industrial Cooperation and Offset Projects”**
4. **Advanced Fiber Optics Cable Repair System**
5. **Comprehensive military shooting training system based on optoelectronic technology**
6. **News from our A&D Business Network**

Part II: Epicos Newsroom

1. **Japan approves biggest ever defence budget amid Asia tensions**
2. **Russia wants official response from France over warship delay: agency**
3. **Airline's collapse a new blow to recession-hit Cyprus**
4. **Thales Alenia Space Win ESA Contract for Plato Phase B1 Study**
5. **Kalstar Aviation becomes first E-Jets operator in Indonesia**

Boeing: Deliveries and Net Orders for 2014



In 2014, Boeing set a global industry record for the most commercial airplanes delivered in a single year at 723. In 2014, Boeing booked 1,432 net orders, valued at \$232.7 billion at list prices. The company also grew its backlog of unfilled commercial orders to a historic high of 5,789 airplanes. Boeing Commercial Airplanes President and CEO Ray Conner said regarding Boeing's

performance: "What the Boeing team achieved in 2014 is truly unprecedented, especially in the face of fierce competition. Boeing's achievements are based on the dedication of our talented employees, the trust that our customers place in our products and the partnership with our suppliers".



Current Year Deliveries Through December 2014	737	747	767	777	787	Total
Total 2014 Deliveries	485	19	6	99	114	723

As it is already mentioned Boeing has set a record for 723 deliveries for 2014. More specifically, the US aircraft manufacturer delivered (485) 737 aircraft, (114) 787 aircraft and (99) 777 aircraft. Additionally, it is worth mentioning that Boeing's wide-body family of airplanes (747-8, 767, 777 and 787 Dreamliner) accounted for more than 60% of all twin-aisle deliveries last year. Aircrafts were mainly delivered to key customers in the Middle East, United States and Europe.

Two of the main customers was United Airlines which received in total (35) aircraft, (29) 737 and (6) 787 and Southwest Airlines receiving (33) 737 aircraft.

Orders through December 31, 2014	737	747	767	777	787	Total
2014 Net Orders	1104		4	283	41	1432

In 2013, Boeing booked 1432 net orders. More specifically, the US aircraft manufacturer booked (1104) 737 aircraft, (41) 787 aircraft and (283) 777 aircraft.

2014, was definitely a very "busy" year for Boeing. Nevertheless, it seems that even busier years are going to come as according to the estimations the need for new aircraft will keep getting bigger.

Kyriazis Vasileios,

Epicos Newsletter Head Editor



Airbus: Deliveries and Orders for 2014



Airbus has exceeded its targets for 2014, achieving a new record of 629 aircraft deliveries for 89 customers of which eight were new. More analytically the European company delivered throughout the year 490 A320 Family aircraft, 108 A330s, 30 A380s and also their first A350 XWB. Additionally, Airbus also achieved 1,456 net orders from 67 customers, of which 14 were new, comprising 1,321 single aisle aircraft and 135 wide-bodies. The backlog for the European company had climbed to a new industry record of 6,386 aircraft valued at US\$ 919.3 billion at list prices. Mr. Fabrice Brégier, Airbus President and CEO said regarding the company's performance: "2014 has been an excellent year and the teams in Airbus not only delivered on, but exceeded their targets and commitments, Airbus also made strong progress towards a faster, simpler and more agile company, while our strategy of incremental innovation is helping to consolidate our market-leading position in all categories".

One of the companies that received aircraft from Airbus is Qatar Airways. On 17 September 2014, the airline took delivery of the first of its 10 Airbus A380 aircraft on order. Qatar Airways' Group Chief Executive, His Excellency Akbar Al Baker, said: "By introducing the A380 to our ever expanding fleet, it will strengthen Doha's position as a key regional and global aviation hub. As we are continuously reviewing our passenger offering to always provide the very best in class, for us the arrival of the A380 opens a new chapter in the unparalleled, signature service we provide to travellers on board with Qatar Airways".



Regarding new orders, Hawaiian Airlines has finalized one of six A330-800neo aircraft, on 19 December 2014. Mr. Mark Dunkerley, President and CEO of the Hawaiian Airlines said regarding the order: The A330-800neo is an aircraft which meets all of our needs, it is the right size, with the right range and costs, and shares much commonality with our A330-200 fleet. Our customers and crew love the aircraft and we are thrilled that it will continue to be Hawaiian's wide-body mainstay for far into the future."

Kyriazis Vasileios,
Epicos Newsletter Head Editor

Epicos "Industrial Cooperation and Offset Projects"



Epicos "Industrial Cooperation and Offset Projects" provides a unique set of online tools enabling the structure, identification and implementation of comprehensive Offsets programs, through a searchable database. By introducing different offset projects and ideas proposed by local A&D industry it ensures the optimum cost for Prime Contractors and reassures that the priorities of local industry are fully met...

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Advanced Fiber Optics Cable Repair System



A company specializing in high-precision optical passive devices, equipment and fiber optic network systems, in the frame of an offset program, is proposing collaboration with a foreign company active in fiber optic equipment sales and/or manufacturing, in order to act as a local representative for its Advanced Fiber Optics Cable Repair System.

[For Further Information Contact our ICO Department](#)

Mail at: g-menexis@epicos.com

Comprehensive military shooting training system based on optoelectronic technology



A company specializing in the design and manufacture of optoelectronic devices, for a wide range of applications, is proposing the implementation of a small arms shooting training system for armed forces. The system will comprise of training management facilities, training methods, related equipment and software, for indoor and outdoor facilities (basic, range and field shooting). The system design caters for a progressive method that provides further instruction for training personnel and covers the complete range of small arms.

[For Further Information Contact our ICO Department](#)

Mail at: g-menexis@epicos.com

News from our A&D Business Network**AAR Granted AS9100 Certification for Manufacturing at Aircraft MRO**

AAR announces it has been granted AS9100 certification of its quality management system for manufacturing at the company's aircraft maintenance, repair and overhaul (MRO) facility located at the company's facility located near the Indianapolis International Airport. The certification was awarded to AAR Aircraft Services and covers the manufacture of airframe composites and metal aircraft parts; applications for finish coatings; and assembly of cargo containers. AAR sought the certification to meet the requirements of a customer – power management company Eaton – to manufacture and assemble fuel and hydraulic hoses in the back shop of the MRO. AAR is the exclusive supplier of Eaton's fluid-distribution, oil debris-monitoring technology, engine seals and other products for commercial airlines.

AAR was already approved to assemble cargo containers made by its European subsidiary Nordisk Aviation Products under a separate industry certification. But the AS9100 provides another important industry stamp of approval. AS9100 is specific to aerospace and recognized globally.

"With this certification, AAR has become a contender for the numerous requests for bids the marketplace receives for composite materials used in airframe component assembly and repair," said Rick Uber, General Manager, AAR Aircraft Services -- Indianapolis.

AS9100 certification is unique under the roof of an aircraft MRO, Uber added. "If airlines are looking to have parts made, we can assist them with modification programs and do the install. It even allows us to better serve our own Engineering Services department, which issues purchase orders for airframe components, manufacture to print." For more information on the new manufacturing capabilities at AAR Aircraft Services – Indianapolis, contact John Drewer | John.Drewer@aacorp.com or call 317-227-5021.

About AAR

AAR is a global aerospace and defense contractor that employs more than 6,000 people in 17 countries. Based in Wood Dale, Illinois, AAR supports commercial, government and defense customers through two operating segments: Aviation Services and Technology Products. AAR's services include inventory management and parts distribution; aircraft maintenance, repair and overhaul; and expeditionary airlift. AAR's products include cargo systems and containers; mobility systems and shelters; advanced aerostructures; and command and control systems. More information can be found at www.aacorp.com.

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Embraer Delivers 30 Commercial and 52 Executive Jets in 4Q14



Embraer S.A. delivered 30 commercial and 52 business jets, 38 light and 14 large jets, during the fourth quarter of 2014 (4Q14), thus closing out the year with 92 airplanes delivered to the commercial airline market and 116 to the executive aviation market, that is, 92 light and 24 large jets. On December 31, the firm order backlog stood at USD 20.9 billion. The quarter highlights in the commercial aviation segment were the confirmation of a firm order for seven E175 jets by SkyWest, to be operated under a Capacity Purchase Agreement (CPA) with Alaska Airlines, and the delivery of the 1,100th E-Jet produced, model E190, to Aeromexico airlines.

For Further Information [Click Here](#)

Epicos Newsroom



Japan approves biggest ever defence budget amid Asia tensions

Japan approved its largest-ever defence budget for the next fiscal year on Wednesday, as hawkish Prime Minister Shinzo Abe looks to strengthen surveillance of territorial waters in the face of a continuing spat with China.

For the year to March 2016, Tokyo will spend 4.98 trillion yen (\$41.97 billion), the government said, indicating a budget rise for the third straight year. "This is the largest budget ever," said a defence ministry official, adding the highest allocation previously was 4.96 trillion yen earmarked in 2002.

The trend reflects Abe's wish to build a more active military, a push supporters say is in response to the raising of tensions with China, with which Tokyo is at odds over the ownership of islands in the East China Sea. Japan is increasingly wary of Beijing, which is seen by several countries in the region as becoming aggressive over various sovereignty claims.

But detractors point to Abe's desire to bolster the military more generally, and to shrug off the shackles of pacifism. China responded cautiously to the announcement, urging Tokyo to pay heed to the past.

"Japan's moves in its military and security policies have long drawn the attention of its Asian neighbours and of the international community. They indicate whether or not Japan can follow the path of a peaceful development," said foreign ministry spokesman Hong Lei.

The premier had wanted to alter the constitution to reduce restrictions on the armed forces, but was unable to muster sufficient public support, and moved instead to reinterpret the relevant clause to allow the military to come to the aid of an ally under attack. "We hope that the Japanese side will regard history as a mirror and follow the path of a peaceful development and play a constructive role to promote regional peace and stability."

Among items on the Japanese defence ministry's shopping list are 20 "P-1" maritime patrol aircraft, with a combined price tag of 350 billion yen.

It will also buy five V-22 "Osprey" -- crossover aircraft, which have the manoeuvrability of helicopters and the range of aeroplanes -- along with six high-tech F-35A stealth fighters.

The ministry is looking to obtain a fleet of "Global Hawk" drones over a five-year period, and part of the purchase will come out of this budget, officials said.

The ministry is also buying 30 units of amphibious vehicles and one E-2D airborne early-warning aircraft to be assigned to protect fringe areas, including the Nansei Shoto islands which lie between the East China Sea and the Pacific Ocean. The cash will also go towards the construction of one Aegis destroyer, and fund the deployment surveillance units around the southern islands of Okinawa and Amami.

- Routinely butted heads –

The Abe cabinet decided in late 2013 to set aside roughly 24.7 trillion yen between 2014 and 2019 to spend on kit including drones, submarines, fighter jets and amphibious vehicles, in a strategic shift towards the south and west.

Japan and China have routinely butted heads over the ownership of the Tokyo-controlled Senkaku Islands, which Beijing claims as the Diaoyus, with official Chinese ships and aircraft regularly testing Japanese forces. Separately, Chinese naval ships and military jets are seen increasing their activities around Japan, while an unpredictable North Korea continues its missile and nuclear programmes.

Abe and Chinese President Xi Jinping met in last November, the first face-to-face encounter since each came to power, and agreed to work towards easing tensions over the sovereignty of the islands. On Monday, defence officials from the both sides resumed talks on building a hotline, for the first time since June 2012, in an effort to avert unexpected clashes in the East China Sea, the government said.

But conservative ideologue Abe has also travelled abroad tirelessly to reinforce ties with foreign leaders, particularly those in Southeast Asia, in a bid to counter China's efforts to expand its sphere of influence. Abe has also worked to strengthen Japan's military alliance with the United States. The defence expenditure makes up more than five percent of Japan's general budget for the next fiscal year, which comes in at a record-high 96.34 trillion yen, up from 95.88 trillion yen the previous year.

Source: 2015 AFP, Agence France-Presse (AFP)

Russia wants official response from France over warship delay: agency

Russia has demanded an official explanation from France over its failure to deliver a Mistral-class warship due to concerns about Moscow's role in Ukraine, a military source said Tuesday. Moscow has written to France's overseas arms exporter in a move that could pave the way for legal claims against Paris, an unnamed official at Russia's Federal Service for Military-Technical Cooperation told state-run RIA Novosti news agency.

"In order to determine our future decisions -- whether we will go to court or give France more time -- Russia must have a written explanation of the situation," the source said. France's defence minister warned January 1 that Paris will only deliver two warships ordered by Russia if there are concrete signs of lasting peace in Ukraine. Paris in November delayed delivery of the first vessel, which was set for autumn 2014, "until further notice."

Russia has been accused by the West of arming and bankrolling a rebellion in eastern Ukraine, a charge Moscow denies.

Sanctions imposed by the European Union and the United States on Russia have complicated France's commitment to the 1.2 billion-euro deal to deliver the two Mistral-class warships -- even though the order was made long before the crisis erupted.

Source: 2015 AFP, Agence France-Presse (AFP)

Airline's collapse a new blow to recession-hit Cyprus

The collapse of Cyprus Airways nearly two years after a financial earthquake shattered the economy has dealt a new blow to the recession-hit Mediterranean island, experts said Monday. Cyprus is facing record unemployment of around 16 percent, according to economists who say the situation will only worsen as the national carrier's 560 staff are laid off.

About 300 of them vented their anger in front of the finance ministry on Monday, with unions vowing to hold another demonstration on Tuesday outside the presidential palace. On Friday the government announced an immediate halt to Cyprus Airways's flights, after European Union regulators ordered it to recover illegal state aid granted to the ailing airline.

The EU ruled that Cyprus broke competition rules by giving the airline a 31-million-euro (\$37 million) capital increase and a 34-million-euro rescue loan. "I spent 23 years in this company. It's my whole life, it was my second home," said veteran flight attendant and father of three Marios Christodoulou.

Ticketing officer Maria, 50, who also took part in Monday's protest, also despaired.

"Where will I go... I am afraid of the next months," she said, fighting back the tears.

On the verge of bankruptcy because of the high exposure of its banks to Greek debt, Cyprus was granted in March 2013 a 10-billion-euro (\$13.8-billion) international bailout.

The inevitable bank restructuring has left many people out of work.

The jobless rate now stands at a record high of around 16 percent, according to Cyprus University economics professor Michalis Michael.

"It's a huge number, the third (worst) in the European Union after Spain and Greece," Michael said, referring to two other EU countries hit by recession.

Unemployment in Cyprus, which relies heavily on receipts from tourism, "was very small, around four percent four years ago," he said.

- Blow to tourism -

Income from tourism in Cyprus, which touts itself as a country blessed with more than 300 days of sunshine a year, represents about 10 percent of gross domestic product.

GDP fell to 2.8 percent last year, compared with six percent in 2013, according to official estimates.

But tensions between Ukraine and Russia and the fall of the ruble threaten to undermine further the economy, and cause even more damage to tourism, experts said.

Russians not only represent the largest numbers of tourists who visit Cyprus, but also have deposits worth billions of dollars (euros) in Cypriot banks.

The closure of Cyprus Airways could affect the sector unless officials rally to establish a new airline with the company's logo, as Nicosia says it is trying to do.

The Cypriot government launched a search for potential buyers of the carrier last year but failed to receive any serious interest.

Ireland's budget airline Ryanair and Greece's Aegean were whittled down from an initial 14 suitors when expressions of interest were launched in July last year.

But the interested parties were reportedly concerned about the European Commission investigation of a breach of EU state aid rules.

Michael said the impact of grounding Cyprus Airways could be limited if some of its staff are hired by a new company.

Staff are also demanding they be better compensated for losing their jobs and want to be given priority if a new airline is established. Meanwhile there is deep bitterness among the airline's staff, who accuse the government of mismanagement and "corruption".

"Everybody is sad. Everybody is disappointed because an airline, with 67 years of history with no accident, even not an incident, closed down," said 50-year-old pilot Andreas Christodoulou.

"The board of directors, the top management of the company were unprofessional, they had no idea about aviation," he said.

Management had been "making money" off the company and insisting on flying "non-profitable routes for political reasons".

The economist Michael also said there had been corruption and that management had failed to "take serious measures to improve the profitability of Cyprus Airways".

The government has defended its decision to halt flights, calling the closure of debt-laden Cyprus Airways, which was facing tough competition on its most popular routes to Greece and London, "unavoidable".

Source: 2015 AFP, Agence France-Presse (AFP)

Thales Alenia Space Win ESA Contract for Plato Phase B1 Study

Thales Alenia Space announced today that it has been selected by the European Space Agency for one of the three phase B1 studies of the PLATO (PLANetary Transits and Oscillation of stars) program, part of ESA's Cosmic Vision 2015-25.

Phase B1 entails the consolidation of all mission, system and subsystem requirements, including definition of the satellite configuration and operational aspects, comparative analyses and assessment of scientific performance. The main purpose of the PLATO mission, scheduled for launch in 2024, is to study planetary systems outside the solar system by identifying and analyzing planetary transits.

Thales Alenia Space Italia will conduct this phase of the project by defining the system and subsystem aspects of the satellite, with Thales Alenia Space France providing the payload definition. PLATO will also study stars to determine their age, mass and dimensions. By observing stars relatively close to Earth, it will evaluate the slight but regular changes in brightness that indicate the presence of planets. PLATO will provide key information to determine these planets' mass, radius, density, bulk composition and distance from their “sun,” in the ongoing search for worlds potentially similar to our own.

About Thales Alenia Space

Thales Alenia Space, a joint venture between Thales (67%) and Finmeccanica (33%), is a key European player in space telecommunications, navigation, Earth observation, exploration and orbital infrastructures. Thales Alenia Space and Telespazio form the two parent companies' “Space Alliance”, which offers a complete range of services and solutions. Because of its unrivaled expertise in dual (civil/military) missions, constellations, flexible payloads, altimetry, meteorology and high-resolution optical and radar instruments, Thales Alenia Space is the natural partner to countries that want to expand their space program. The company posted consolidated revenues in excess of 2 billion euros in 2013, and has 7,500 employees in six countries. www.thalesaleniaspace.com

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Source: Thales Alenia Space, Epicos

Kalstar Aviation becomes first E-Jets operator in Indonesia

Embraer announced today that two Embraer E195s will start operations with Kalstar Aviation, a regional operator based in the Indonesian province of Kalimantan on Borneo Island. The two aircraft are being sourced from Aldus Aviation, Ireland.

“We are proud to be the first Embraer operator in Indonesia and we look forward to enhancing our operations, especially in the Kalimantan area, with the introduction of these E195s,” said Andi Masyhur, CEO Kalstar Aviation. “The E195 gives us an opportunity to open new routes and provide better connectivity, frequency and passenger comfort to the people of Kalimantan. We believe that passengers will greatly value the two-plus-two cabin layout that offers unrivalled comfort in this segment.”

“Indonesia’s geography presents an ideal platform for the E-Jets. Its secondary and tertiary cities spread across many islands offer opportunities for enhanced connectivity and frequency,” said Paulo Cesar Silva, President and CEO of Embraer Commercial Aviation. “I would like to congratulate Kalstar Aviation as they boost their fleet and enter their next growth phase. We are confident that the E-Jets’ sound economics and enhanced passenger comfort will add value to their operations.”

Established in 2007, Kalstar Aviation, named after ‘Kalimantan Star’, has been connecting passengers to cities in the province of Kalimantan – an area known for mining and agriculture. The E195s will operate to and from Kalimantan on routes within Indonesia. These routes will be announced by Kalstar Aviation in due course.

Embraer is the only manufacturer to offer a modern family of aircraft specifically targeted for the 70 to 130-seat segment. Since the formal launch of the program in 1999, the E-Jets have redefined the traditional concept of regional aircraft by operating across a range of business applications.

The E-Jets family entered revenue service in 2004. Currently, E-Jets are operated by 65 airlines from 45 countries and hold a 62% market share, based on deliveries, in the segment of jets with capacity up to 130 seats. These airlines include mainline, low-cost and regional carriers, as well as charter airlines. The E-Jets have a strategically located global network of customer support and services with 37 MRO service centers worldwide - 12 Embraer Authorized Service Centers (EASC) and 25 independent centers, as well as a regional parts distribution center in Singapore.

In June 2013, Embraer launched the second generation of the E-Jets family – the E-Jets E2 – the first of which is scheduled to enter service in 2018.

For Further Information [Click Here](#)

Source: Embraer, Epicos