#### July 26, 2024

### The Weekly Newsletter of Record for the Aviation Industry Since 1979

FLYNAS, Saudi Arabia agreed to order 75 A320neo Family aircraft (now 192; 53 delivered) and 15 A330-900s.

KOREAN AIR signed LOI to order 20 777-9s and 20 787-10s, and option 10 787-10s, in prep for merger with ASIANA.

QATAR AIRWAYS ordered 20 777-9s and now has 60, plus 34 777-8Fs, 12 787s and 25 737 MAXs, on order with Boeing.

JAPAN AIRLINES ordered 11 A321neos and 20 more A350-900s (it now has 33 A350s on order; 18 in service). It also agreed to order 10 more GEnx-powered 787-9s, and option 10, to join fleet of >50 787s (it also has 21 MAXs on order).

**VIETJET AIR** finalized previously announced order for 20 A330-900s in \$7.4b deal for growth and to replace its fleet of seven A330-300s (SPNWS; Feb 23). It contracted **ROLLS-ROYCE** to maintain Trent 7000s under TotalCare program.

VIRGIN ATLANTIC ordered seven more A330-900s, increasing commitment to 19 (five leased aircraft now in service).

NATIONAL AIRLINES agreed to order four 777Fs with GE90s for 4Q25/1Q26 and says it is interested in the 777-8F.

ABRA agreed to order five A350s and option three; it is majority owner of GOL and AVIANCA (and soon WAMOS AIR).

MACQUARIE AIRFINANCE ordered 20 737-8s and now has 40 on order after acquiring 20 delivery slots from ALAFCO.

BERNIQ AIRWAYS, Libya ordered six A320neo Family aircraft for growth and to eventually replace its six A320-200s.

DRUKAIR, Bhutan signed MOU to order three A320neos and two A321XLRs (engines TBA) for delivery starting in 2030.

SMBC AVIATION CAPITAL exercised options for 22 GTF-powered A320neo Family aircraft on top of 20 ordered in 2021.

LUXAIR ordered two 737-10s and optioned two. It operates 21 aircraft, including two leased 737-8s and eight 737NGs.

AIR TAHITI ordered four ATR 72-600s for delivery in 2025-2028 with 8-year global maintenance agreement with ATR.

CONDOR agreed to lease 19 A320neo Family aircraft from ALC for delivery through 2027; first (12006) was delivered.

**DE HAVILLAND CANADA** is selling 11 OEM-certified, refurbished Dash 8-400s to **ALL NIPPON AIRWAYS** (7), **WIDEROE** (2), **SKYWARD EXPRESS**, Kenya (1) and **TANZANIA** (1) under recently announced program. It has to date acquired 28 aircraft for program that includes airframe life extensions through ESP (Extended Service Plan) and avionics upgrades.

JCAS AIRWAYS, Japan signed LOI to lease one new ATR 72-600 from Avation for delivery in late 2025.

EASTAR JET, Korea leased ex-Air Vanuatu 737-800 (42052) from Air Lease Corporation.

AIR ATLANTA leased ex-Air New Zealand 777-200ER (34378) from Alta Airlines Holding for wet-lease to SAUDIA.

HONG KONG AIRLINES leased ex-Tigerair A320-200 (4804) with V2500s from CDB Aviation.

PREDICTIVE

INTELLIGENCE

AEROLINEAS ARGENTINAS leased new 737-8 (66359) from Air Lease Corporation.

AURIGNY, UK agreed to lease two ex-Avianca ATR 72-600s from NAC (1151) and Jetstream Aviation Capital (1174).

FLYYO, Romania leased ex-flynas A320-200 (3256) with CFM56s from Air Lease Corporation for ACMI operations.

ReGEN (Genesis) purchased A319-100 (2429; leased to BRITISH AIRWAYS) with V2500s from Aviator Capital.

AIR FRANCE took delivery of new A350-900 (671) on lease from Air Lease Corporation (SPNWS; March 10, 2023).

**COPA** purchased two 737-800s off-lease from Avolon in deal arranged by SkyWorks, which (among other activities) was retained by an EMEA airline to advise on potential narrowbody order and Latin American LCC to arrange JOLCO financing.

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### **SpeedNews Commercial Aircraft & Engines Marketplace**

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BRISTOL ASSOCIATES	2- ERJ 145XR, DOM 2002, MSN 655/657, 50-SEATERS, TR'S, WINGLETS, 2,000 NM RANGE, AVAILABLE NOW	(1)202-682-4000	bristol@bristolassociates.com	PETE SEIDLITZ
JET MIDWEST	1-777-200ER (TRENT 895), DOM 2007, MSN 34379, FOR SALE/LEASE; ADDITIONAL AIRCRAFT AVAILABLE	(1)913-706-2517	aircraft@jetmidwest.com	MARIZA BROWNING
WILLIS LEASE FINANCE CORPORATION	2- ATR 72-500 (PW127F/M), WLFC ENGINE ConstantThrust® PROGRAM, 70-PAX, MSN 699/767, FOR SALE/LEASE	(1)647-242-4952	nruane@willislease.com	NEIL RUANE
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WILLIS LEASE	GEnx / LEAP / CFM56 / IAE / GE / P&W ENGINES AND APUS FOR LEASE, PLUS ENGINE STANDS	(1)415-408-4742	leasing@willislease.com	JENNIFER MERRIAM
COMPANY	ENGINE STANDS AVAILABLE	PHONE	E-MAIL/WEB ADDRESS	CONTACT
GLOBAL ENGINE STANDS, INC.	GE90-94/115B, PW1100/1500/2000/4000, CFM56, CF34, CF6, V2500, RB211, AE3007, TRENT 700; APUs & REFURBs	(1)305-978-0898	yperez@globalenginestands.com	YEXCELD PEREZ
NATIONAL AERO STANDS	STANDS FOR LEASE: AE3007; CFM56; CF34; CF6; GE90; GEnx; LEAP; PW1100/1500/2000/4000; V2500 RB211-535; TRENT 500/700/800/1000/7000. BOOTSTRAP KITS: CFM56-3/-7; CF6; RB211-535; TRENT 1000.	(1)512-296-9502	support@stands.aero www.stands.aero	GAIL HOLGUIN
COMPANY	LANDING GEAR AVAILABLE	PHONE	E-MAIL/WEB ADDRESS	CONTACT
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**AIRBUS** has received EASA type certification for the LEAP-powered A321XLR, preparing the way for entry-into-service with **IBERIA**, Spain later this summer; 11 airlines and lessors have selected LEAP engines to power >190 A321XLRs.

**BOEING** forecasts demand in 2024-2043 for 43,975 new pax/freighter aircraft (1,525 regional jets/33,380 singleaisle/9,070 twin-aisle; 20,555 for replacement), up from 42,595 in 2023 CMO, increasing global fleet from 26,750 to 50,170 aircraft in 2043, to satisfy 4.7% annual traffic growth; it is also projecting demand for 2,845 freighters (1,005 new/1,840 converted) to satisfy 4.1% CAGR. It sees \$4.4 trillion demand for commercial aftermarket services.

**AIRBUS CANADA** is to receive US\$1.2b investment from shareholders Airbus (US\$900m) and Govt of Quebec (US\$300m) to support growth in A220 program as it strives to reach 14 aircraft per month by 2026; Govt's equity redemption date was also extended to 2035. **PWC** estimates program will have economic impact in Canada of >\$40b over next 20 years.

DCM GROUP (Thrust Capital Partners) acquired Canada's DH AEROSPACE HOLDING, which includes KOSS AEROSPACE, Ontario (structural components) and BRAMPTON PROCESSING, Toronto (metal processing services).

LOAR HOLDINGS agreed to acquire APPLIED AVIONICS, TX (avionics interface solutions) for \$385m cash.

CABINAIR SERVICES, UK has acquired AEROKNOW, Latvia (engineering/design; EASA Part 21J Design Organization).

**GE AEROSPACE** announced plans to invest >\$1b in its global MRO network, mainly to meet growth of LEAP fleet; it allocated \$250m in 2024 for facilities in US (\$65m), South America (\$55m), Europe/ME (\$60m) and Asia Pacific (\$45m).

**SAFRAN AIRCRAFT ENGINES** adding a second, 14,000 sq meter engine MRO shop at Querétaro to double LEAP capacity in the Americas; it is also expanding its engine production plant for LEAP fan and turbine modules and final assembly.

EIRTRADE AVIATION acquired ex-EVA Air 777-300ER (32643) for part out at Knock, Ireland, expected to take 30 days.

SR TECHNICS and OGMA both inducted their first PW1100G-JM (GTF) for full disassembly, assembly and testing.

PRATT & WHITNEY has Air Niugini contract to provide GTF maintenance for 11 A220s under its EngineWise program.

GE AEROSPACE has 6-year THAI Airways contract extension to maintain GE90s under TrueChoice Service program.

LUFTHANSA TECHNIK was selected by VietJet Air to provide Total Component Support for 184 A320s and nine A330s.

ROLLS-ROYCE has 10-year, \$300m JSX contract to maintain 162 AE 3007As under TotalCare and SelectCare programs.

HAITE TIANJIN opened its second narrowbody freighter conversion line for EFW, inducting A320-200 (2783) for Juniper.

EMPIRE AEROSPACE was selected by ACIA Aero Leasing to convert ATR 72-600 (1239; ex-Tsaradia) to LCD freighter.

**DE HAVILLAND CANADA** has order from Advantage Air Travel for QC freighter conversion kit for its Dash 8-400.

LUFTHANSA TECHNIK was designated by Boeing as its first licensed service center for 787 cabin mods from 2025.

ETHIOPIAN AIRLINES signed LOI with ATR to cooperate in development of its aircraft maintenance/training capabilities.

**MOOG** has 8-year maintenance/pooling contract to provide 787 flight control component support for Lufthansa and Austrian; it also has 15-year Hawaiian contract to support its 787s with component repairs and pool access for spares.

**VORTEX AVIATION** (Kellstrom Aerospace Group), FL was certified by Brazil to provide engine maintenance services.

GE AEROSPACE extended TrueChoice engine maintenance agreement with TUI Airways for GEnx-powered 787s.

**AAR** has general terms agreement with Liebherr-Aerospace for license to service its flight control, environmental control, and thermal management components, including power-by-the-hour contract for several AAR customers.

**HAECO GROUP**, Hong Kong extended deal with GE Aerospace to provide offload services for GE90s through 2040; additionally, it signed MOU that secures HAECO Engine Services (Xiamen)'s position in the MRO global network for GE9X.

**AIRBUS** was selected by Air Mauritius to provide Fleet Technical Management (FTM) services to enhance operational efficiency of its A350 and A330 fleets by providing CAMO activities, including engineering support and health monitoring.

MAGELLAN AEROSPACE and AEQUS signed MOU to explore setting up jointly-owned engine MRO business in India.

AFI KLM E&M earned €37m in 2Q24 (vs €46m in 2Q23) on 14% higher revenues; third party revenues rose 22.6%.



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**EMBRAER** received certification from Brazil's ANAC for E190F conversion; prototype (360; ex-Avianca) was redelivered to **REGIONAL ONE**. E-Freighter is due to receive both EASA and FAA certification later this year and the CLS shortly after.

**PRATT & WHITNEY CANADA** was selected by Maeve to collaborate of development of hybrid-electric propulsion technologies for M80 regional aircraft, which is being designed with 1,200 nm-range for entry into service in 2032.

**HONEYWELL** was selected by United Airlines to supply IntuVue RDR-4000 3D weather radar, new 25-hour FDRs, TPA100B Traffic Alert and Collision Avoidance System and TRA 100B Transponders, and ALA-52B radar altimeters for new MAXs.

L3HARRIS was selected by Air India to supply SRVIVR25 CVRs and FDRs for up to 140 737-8s for delivery from 2025.

TT ELECTRONICS, OH has Parker contract to supply electronic assemblies for commercial aircraft braking systems.

**WOODWARD**, CO was selected by Boeing to supply rotary actuator for the NASA/Boeing Transonic Truss-braced Wing (TTBW) X-66A aircraft demonstrator; actuators, to be delivered in 2026, will be fitted to ailerons for first flight in 2028.

MHI AEROSPACE VIETNAM (Mitsubishi Heavy Industries) was selected by Airbus to supply A321 neo emergency doors.

GKN AEROSPACE extended agreement with Airbus for supplying A220 electrical wiring interconnection systems (EWIS).

**UNIVERSAL AVIONICS** was selected by Boom to supply ClearVision enhanced flight vision system for the Overture.

ITP AERO UK was selected by Pratt & Whitney to supply GTF combustors out of Hucknall (East Midlands) from late '24.

**SASMOS HET TECHNOLOGIES**, India was selected by Germany's Deutsche Aircraft as partner to collaborate on the design/development of the electrical wiring interconnection system (EWIS) for the 40-pax D328eco.

**DE HAVILLAND CANADA** was selected by Zimex Aviation to supply four Garmin avionics upgrade kits for delivery in 2H24 for Twin Otter Series 400 aircraft; kits are offered in partnership with **AEROCORP AVIONICS SOLUTIONS**.

**THYSSENKRUPP AEROSPACE** has 10-year contract extension with Magellan Aerospace (UK) to manage material demand, mainly aluminum plates and tube/extrusion products, for facilities in Europe/India; deal includes subcontractors.

**GE AEROSPACE** secured commitment from US DOE's Oak Ridge National Laboratory to cooperate on supercomputing (modeling/simulation) to expand its capabilities for designing next-generation engine technologies, like Open Fan.

**CFM INTERNATIONAL** has completed >250 tests under Revolutionary Innovation for Sustainable Engines (RISE) technology demo program in preparation for full-scale Open Fan testing. It is moving to more module-level tests.

**GKN AEROSPACE** delivered the full composite wing assembly and (by end of July) booms for Supernal's eVTOL demonstrator, to make its first flight later in 2024; units were manufactured in Bristol and Cowes, UK respectively.

**ROLLS-ROYCE** broke ground on outdoor engine test stand at NASA Stennis, MS for full-scale gas turbine hydrogen testing in partnership with **EASYJET** using a modified Pearl 15; **TATA CONSULTANCY SERVICES** is providing engineering.

**GA TELESIS** announced it is integrating Alitheon's AI technology, FeaturePrint, into its WILBUR Web3-enabled Parts Provenance and Records Platform to help secure authenticity of aircraft parts and raise levels of aviation data security.

**AFI KLM E&M** and **PARKER AEROSPACE** rolled out SkyThread's blockchain-based aircraft parts track and trace platform for 787 platform that provides access to complete history of each new and repaired Parker part on 787 fleet.

**PRATT & WHITNEY** says the 1-megawatt thermal engine developed for its Hybrid-Electric Propulsion (HEP) flight demonstrator (Dash 8-100) has run at full power; **COLLINS** is supplying the electric drive system and **H55** the battery.

**GE AEROSPACE** signed MOU with Turkish Aerospace and TUSAŞ Engine Industries to evaluate and collaborate on integrating F404 engine into new variants of HÜRJET aircraft. As part of deal, TEI would also provide assembly and MRO.

**EMBRAER** announced product enhancements for E175 (larger bins/mood lighting/IFEC/Recaro seats/next-gen avionics) and E2-Jets (2.5% lower fuel burn/more range/better GTF time on wing/more capacity/Recaro seats).

**BOEING** forecasts need for 674,000 pilots, 716,000 maintenance technicians and 980,000 cabin crew members over next 20 years (+4.1% vs '23 forecast) to support global commercial fleet, projected to reach to 50,170 aircraft by 2043.



**EMBRAER** forecasts global demand for 10,500 sub-150-seat jets (8,470) and turboprops (2,030) worth US\$640b over next 20 years; replacement of aging aircraft will account for 54% of all new deliveries while 46% will be used for growth.

**STANDARDAERO** was selected by Boom to assemble and test Symphony engines at San Antonio. It will manage production, which will scale up to 330 engines annually. **BOOM** says it is already building and rig-testing Symphony hardware and the first 3D-printed parts have been produced for engine, including fuel nozzles and turbine center frames.

**COLLINS AEROSPACE** plans in 4Q25 to begin building new \$250m component manufacturing facility in Singapore's Seletar Aerospace Park for 2028 to eventually replace its existing facility at Bedok after a multi-year transition plan.

**THYSSENKRUPP AEROSPACE INDIA** has Dynamatic Technologies contract to manage its supply chain for raw materials (mostly covering aluminum, steel and titanium products), warehousing and processing services for A220 program.

GATES began using SAF, supplied by Neste, for engine testing operations in Finland under partnership with DHL.

**ZEROAVIA** has conditional purchase agreement from ASL Aviation Holdings to supply 10 hydrogen-electric engines, plus options for 10, for retrofit on ATR aircraft. ASL has now committed to paying deposits to secure delivery slots.

**GE AEROSPACE** has orders from Turkish Airlines to supply GE90-110Bs for four 777Fs on order in deal that includes TrueChoice program; IAG for GEnx-1Bs for six 787-10s for **BRITISH AIRWAYS**, which traditionally used Trents; EVA Air for GEnx-1Bs for four 787-10s on order; and American Airlines for 180 CF34-8Es, plus spares, for 90 E175s on order.

CFM INTL has LEAP orders from NAC for up to seven A321neos and Avolon for up to 150 A320neo Family aircraft.

**PRATT & WHITNEY** has GTF orders from Avolon for 80 A320neo Family on order, plus 80 options; SKY Airline for 10 A321XLRs, plus options for 29 A320neos and an EngineWise service agreement; and from CALC for 60 A320neos.

Pratt & Whitney has surpassed >950 GTF orders/commitments in 2024 and says it has >11,000 total to date with >90 customers.

**HONEYWELL** was selected by Electra.aero to supply flight control computers and electromechanical actuation systems for its 9-pax hybrid-electric eSTOL aircraft. Additionally, Honeywell made a strategic financial investment in Electra.

**ROLLS-ROYCE** is developing upgrade for Trent XWB that includes new disc alloy for higher performance/longer parts life.

MTU AERO ENGINES and OERLIKON agreed to establish a smart thermal spray factory under existing cooperation deal.

DOKASCH TEMPERATURE SOLUTIONS opened Opticooler stations in Miami (30 containers) and Dublin, Ireland (40).

**EMBRAER** unveiled new developments for its Energia sustainable aircraft concepts that include going to 50-seater vs 30 and testing hydrogen gas turbine/dual fuel (GT/DF) approach in addition to hybrid electric and fuel cell technologies.

**ATI** announced \$4b in new sales commitments through 2040, mainly for nickel alloys serving the jet engine market, with majority of revenue (about \$2.2b) delivered by 2030, including estimated \$500m in 2025 and \$550m in 2027.

**ALLCLEAR REPAIR SERVICES**, FL was approved by Honeywell as authorized service center for APUs and components, including pneumatics, starter control valves, anti-ice valves, and wheels and brakes, used on military aircraft platforms.

FDH ELECTRONICS was selected by AC Tasarim as global distributor of its copper braid products for A&D industry.

HARLOW AEROSTRUCTURES, Wichita secured LOI from Turkish Aerospace for two manufacturing contracts.

**STS COMPONENT SOLUTIONS** was named exclusive distributor of MarathonNorco'a mechanical products, including ball reversers, hold open rods, remote release systems and latches, in Americas/EMEA/Japan/Australia/New Zealand.

**BOEING** was selected by Ryanair to provide Jeppesen FliteDeck Pro 5.0 EFB solution to provide tailored route info.

GE AEROSPACE was selected by Genesis to provide its Asset Transfer System to streamline aircraft transactions.

ITP AERO received (first-ever) EASA certification for TP400 vanes produced using additive manufacturing technology.

EMBRAER is developing an automatic takeoff software upgrade (to lower costs) for E2 flight control system for 4Q25.



**EMBRAER** delivered 19 commercial jets (eight E175s/four E190-E2s/seven E195-E2s) in 2Q24 vs 17 in 2Q23; and 26 (11 E175s/four E190-E2s/11 E195-E2s) in 1H24 vs 24 in 1H23. It ended quarter with 382 E-Jets/E2-Jets on backlog.

**DE HAVILLAND CANADA** announced Twin Otter Series 400 sales from an undisclosed airline and **PEGASUS AIR SERVICES** for operation in Sumatra Islands; it also has agreement from **SATENA**, Colombia for eight DHC-6 Twin Otters.

BOEING resumed 737 MAX deliveries to China -- to XIAMEN AIRLINES (43842) -- after delay for CVR component review.

**DEUTSCHE AIRCRAFT** commenced construction of first D328eco test aircraft (TAC 1) by starting work on extension of a D328 fuselage that will seat 40 pax; program has also secured contracts with supplier for >95% of required work.

DHL EXPRESS SPAIN plans to build €40m, 19,700 sq meter aircraft maintenance facility in Vitoria-Gasteiz for mid-2027.

SAFRAN is building €6m manufacturing facility in Chihuahua, Mexico for evac systems and seat components from '25.

**J&C AERO**, Lithuania was selected by a Central Asian airline to refurbish/modernize interiors for three 757-200s to match 737 MAX levels by end 2024 (first was completed); workscope includes new seats, PSUs, lighting, lavs and galleys.

**RTX** completed preliminary design review for its hybrid-electric propulsion demonstrator engine being developed as part of Clean Aviation SWITCH project; it is combining two Collins megawatt-class electric motor generators within a GTF.

**COLLINS AEROSPACE** announced Europe's Clean Aviation HECATE (Hybrid-ElectriC regional Aircraft distribution TEchnologies) project completed its preliminary design review in prep for developing new high-voltage distribution technologies for future hybrid-electric aircraft; other consortium members include Safran, Airbus and Leonardo.

VIASAT, CA was selected by LOT to provide Ka-band inflight connectivity solution for its 15 787s starting in 2026.

LOCKHEED MARTIN and LUFTHANSA TECHNIK signed MOU to collaborate to advance sustainment/logistics solutions.

**ZEROAVIA** was awarded £10.5m in UK Govt funding through the ATI strategic program to further develop its high temperature fuel cell technology in collaboration with University of Kent, Coventry University and University of Sheffield.

**SIEMENS SMART INFRASTRUCTURE** was selected by Eve to help evaluate the electrical infrastructure and energy management services needed for eVTOL aircraft and demand for these services across US as AAM industry grows.

**SUPERNAL** (Hyundai) and **SIGMA AIR MOBILITY** (Luxaviation Group) agreed to jointly identify and develop targeted markets for future AAM infrastructure and investments in South and Southeast Asia and potentially in Southern Europe.

**STELLAR BLU SOLUTIONS** has STC for multi-orbit Sidewinder aero terminal using BAE Systems' Ku-band electronically scanned antenna (ESA) for installation (>1,000 orders) on commercial aircraft, business jets, and other platforms.

APPAREO released TSO-certified Stratus Power Max dual USB-C charging port to deliver up to 60W of charging power.

**ALTAIR** signed MOU with University of Nottingham to develop solution to rapidly design, validate, and test electric propulsion systems using its HyperWorks design and simulation and RapidMiner data analytics and Al platforms.

DAOL and VOLOFIN closed financing of one 777-300ER (leased to AIR FRANCE) for a South Korean asset manager.

EMBRAER secured financing from BNDES for the export of 32 E175s to AMERICAN AIRLINES in R\$4.5b deal.

MAGNETIC LEASING closed a secured term loan with volofin to finance mid-life narrowbody aircraft, engines, and LG.

BLUE OWL CAPITAL has acquired ATALAYA CAPITAL MANAGEMENT, NY (asset-based credit investments) for \$450m.

**BOEING**, **AIRBUS**, **DASSAULT**, **GE AEROSPACE**, **ROLLS-ROYCE**, **RTX** and **SAFRAN** are calling for government research programs to better understand/fight aviation non-CO2 effects such as contrails, NOx, sulfur, aerosols and soot.

**AURA AERO** plans in late 2024 to open 10,000 sq ft facility in Embry-Riddle Aeronautical University's research park in Florida to host electric aircraft development activities for trainer aircraft as well as the completion and delivery center of the INTEGRAL family aircraft. It later plans to build a 500,000 sq ft manufacturing plant in Florida for the 19-seat ERA.

AVIATION WEEK NETWORK forecasts delivery of 2,000 commercial eVTOLs by 2030, 12,000 by 2040, 33,000 by 2050.



### AVIATION WEEK PROGRAM EXCELLENCE FORUM & AWARDS

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- Panel discussion with Program Excellence Award finalists
- · Individual presentations by finalists
- Q&A with Program Excellence Evaluation Team



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**FLYDUBAI** says its expansion plans have been significantly hampered by Boeing's delays in its aircraft delivery schedule, resulting in fewer aircraft being delivered every year for past three years (14 due in '24 will not be delivered).

SAS received approval from Sweden for its Plan of Reorganization. It expects to emerge from bankruptcy in August '24.

AMERICAN had \$717m net profit on record \$14.3b revenues in 2Q24 vs \$1.3b on \$14.1b in 2Q23. It has \$11.7b liquidity.

**SOUTHWEST** had \$367m net profit on record \$7.4b revenues in 2Q24 vs \$683m on \$7.1b in 2Q23 and announced it is switching to assigned seats and will offer premium seating options. It expects to receive 20 737s in '24 vs 85 scheduled.

AIR FRANCE-KLM GROUP had €165m net profit on €7.9b revenues in 2Q24 vs €612m on €7.6b in 2Q23; both traffic and capacity were up 4.1% for 88% PLF. AIR FRANCE GROUP earned €195m vs €481m; KLM GROUP earned €260m vs €263m.

**EASYJET** earned £236m on £2.6b revenues for third quarter ended June 30 vs £203m on £2.4b a year ago; ancillary revenues rose 11%. It ended quarter with net cash position of £456m vs £146m as at March 31 and now has 330 aircraft.

**RYANAIR** had €360m net income on €3.63b revenues for first quarter ended June 30 vs €663m on €3.65b a year ago; pax rose 10% to 55.5m. It ended quarter with 156 737-8200s and expects 160 by end of July (20 short of expectations).

AIR CANADA is estimating operating income of C\$466m on C\$5.5b revenues in 2Q24 vs C\$802m on C\$5.4b in 2Q23.

UPS agreed to acquire Mexico's ESTAFETA (express delivery company), which operates six 737-400SFs.

**AIR NORTH**, Yukon secured C\$6m investment from Government of Canada to add a 737-800 and expand its infrastructure, which includes procuring tools and spare parts for maintenance and building a 52,800 sq ft hangar.

**GULF AIR** plans to build <20,000 sq meter temperature-controlled MRO hangar at Bahrain International Airport.

**AIR INDIA** plans to deploy A350-900 on daily New Delhi-JFK from Nov 1 and on -Newark from Jan 1, replacing 777. **AVELO AIRLINES** plans November 15 to begin twice-weekly Houston Hobby-Hartford, CT (737NG). **ALL NIPPON AIRWAYS** plans January 31 to begin three-times-weekly Tokyo Haneda-Stockholm Arlanda (787-8). **JETBLUE** plans in January to launch services at Manchester-Boston (to Florida), its 10th airport in New England.

**WESTJET** announced plans to increase its overall winter season capacity by 9% vs a year ago, which includes +48% in intercontinental capacity, +15% in domestic capacity, +5% in transborder capacity and +3% in Latin-Caribbean capacity.

**AVELO AIRLINES** announced its largest expansion in company history with 18 nonstop routes, including new service to Montego Bay, Jamaica and Cancun, Mexico and setting up base Hartford's Bradley International with two 737NGs.

**AVOLON** teamed with Airbus to support development of hydrogen-powered commercial aircraft through Airbus' ZEROe Project; they will investigate how aircraft could be financed/commercialized and supported by leasing business model.

EASYJET has extended leases of 10 CFM56-powered A319-100s from Aergo Capital; it has 47 A319s in fleet.

AIRBALTIC took delivery of its 48th A220-300 (55286). It has 32 remaining on order, plus purchase rights for 20 more.

KOREAN AIR took delivery of its first 325-seat 787-10 (66878) with GEnx-1B74/75s on lease from Air Lease Corporation.

ATLAS AIR secured \$90m in senior debt financing from Investec Aviation Finance for three 747-400Fs.

MAGMA AVIATION added an A321P2F and 737-800BCF in Middle East in conjunction with opening new office in Dubai.

KLM and ZEROAVIA are collaborating for demo flight in 2026 of turboprop (TBA) with ZA2000 hydrogen-electric engine.

**VOLTAERO** secured MOU from Sigma Air Mobility to demonstrate its Cassio electric-hybrid aircraft for potential orders.

CANADIAN NORTH unveiled its CAE 7000XR 737NG full-flight simulator at new 30,000 sq ft training facility in Edmonton.

**APiJET** secured agreement from Frontier Airlines to test its Digital Winglets real-time flight route optimization solution.

IATA added SmartLynx Airlines Malta as new member and now represents 330 airlines in >120 countries.

SAURYA AIRLINES lost CRJ200ER (7772) when aircraft crashed on takeoff from Kathmandu; there were 18 fatalities.



**GE AEROSPACE** had \$1.45b net income on \$9.1b revenues in 2Q24 vs \$1.51b on \$8.8b in 2Q23; it delivered 402 commercial engines (297 LEAPs) vs 543 (419 LEAPs) and is addressing supply chain constraints at its top 15 suppliers.

**PRATT & WHITNEY** earned \$542m on \$6.8b sales in 2Q24 vs \$230m on \$5.7b in 2Q23. It delivered 747 engines (236 large commercial; 37 military; and 474 PW&C) vs 772 (191 large commercial; 74 military; and 507 PW&C) a year ago.

**COLLINS AEROSPACE** earned \$1.1b on \$7b sales in 2Q24 vs \$899m on \$6.4b in 2Q23; increase in sales was driven by a 12% increase in commercial aftermarket, a 10% increase in commercial OE, and a 7% increase in defense.

HONEYWELL AEROSPACE earned \$1.1b on \$3.9b sales in 2Q24 vs \$930m on \$3.3b in 2Q23; aftermarket rose 17%.

**LOCKHEED MARTIN** had \$1.64b net income on \$18.1b sales in 2Q24 vs \$1.68b on \$16.7b in 2Q23. It delivered 24 aircraft/rotorcraft (four F-16s/five C-130Js/15 helicopters) vs 60 (45 F-35s/four C-130Js/28 helicopters) in 2Q23.

AAR earned \$46.3m in FY24 (vs \$89.8m in FY23) on record \$2.3b sales, up 17% vs a year ago; 4Q sales rose 19%.

#### **BUSINESS & GENERAL AVIATION NEWS**

**NOAA** ordered a second modified G550 for delivery in 2028 to support hurricane and tropical storm forecasts, atmospheric research and other missions in \$106m deal with Gulfstream; first aircraft is due for delivery in 1H25.

**VOLTAERO** secured MOU from Southeast Asia's **GLOBAL SKY** to order 15 Cassio hybrid-electric aircraft.

MEHAIR, India signed LOI to order 50 19-seat ME-1A amphibious aircraft from US-based Mallard Enterprises.

SEAPLANE ASIA, Hong Kong agreed to order 14 PHA-ZE 100 amphibious aircraft from JEKTA, Switzerland for 2030.

DAHER delivered a Kodiak 100 in multi-mission configuration (with floats) to the MAINE MARINE PATROL.

**DASSAULT AVIATION** had €442m adjusted net income on €2.5b sales in 1H24 vs €405m on €2.3b in 1H23; it ended June with €41.2b backlog (83 Falcons) vs €34.4b (90 Falcons) a year ago. It delivered 12 Falcons in 1H24 vs nine in 1H23.

**GENERAL DYNAMICS AEROSPACE** earned \$319m on \$2.9b sales in 2Q24 vs \$236m on \$2b in 2Q23, ending quarter with \$20b backlog vs \$19.5b a year ago. **GULFSTREAM** delivered 37 (31 large cabin) business jets vs 24 (18) in 2Q23.

BOMBARDIER had \$19m net profit on \$2.2b revenues in 2Q24 vs \$35m loss on \$1.7b. It delivered 39 aircraft vs 29.

EMBRAER delivered 27 executive jets (20 Phenoms/seven Praetors) in 2Q24 vs 30 (19 Phenoms/11 Praetors) in 2Q23.

TEXTRON AVIATION unveiled new military multi-engine trainer, based on King Air 260, selected by US NAVY and RCAF.

**ITP AERO** extended contract with Pratt & Whitney Canada for maintenance/repair/overhaul of mid-turbine frame (MTF) and low-pressure compressor (LPC) modules for PW800s through 2028. It is a risk and revenue partner on program.

**GKN AEROSPACE** inaugurated 80,000 sq ft expansion to its composite aerostructures and electrical wiring interconnection systems (EWIS) facility in Chihuahua, Mexico to strengthen partnerships with Honda and Gulfstream.

BOEING extended its exclusive parts/components distribution contract with Piper Aircraft for another five years.

BOMBARDIER added new business jet line maintenance station at Farnborough and now has nine stations worldwide.

GAMA AVIATION was appointed by Textron Aviation as authorized sale rep for its Special Missions aircraft in UK/Ireland.

TEXTRON AVIATION announced flight deck upgrades for Cessna Caravan/Grand Caravan EX that include backlit panels.

WIPAIRE has FAA STC to install Hartzell Propeller's Yukon four-blade props on Cessna Caravan for better performance.

GE AEROSPACE and KRATOS TURBINE TECHNOLOGIES teamed to develop/produce small affordable engines.

LILIUM has developed digital suite of eVTOL flight planning/aircraft performance EFBs under its 'POWER-ON' portfolio.

**VERTICAL AEROSPACE** began initial powered ground test of its VX4 eVTOL prototype, including propeller balancing.

**ZEROAVIA** was selected by JEKTA, Switzerland to supply fuel cell power generation system technology to demonstrate concept of a fuel cell variant of its electric amphibious flying boat design, the PHA-ZE 100, with range of up to 600 km.

MARSH BROTHERS AVIATION has Transport Canada approval for its new flap roller bearing for Beechcraft King Air.



**ACORN GROWTH COMPANIES** is now **ACORN CAPITAL MANAGEMENT** to reflect growth and development of multiple capital deployment strategies.

**EVE AIR MOBILITY** named two new suppliers for its eVTOL: **ASE**, Italy for power distribution system and **DIEHL AVIATION**, Germany for the interior.

**TCI AIRCRAFT INTERIORS** has MOU from Turkish Airlines to provide inflight connectivity for fleet from late 2025 in partnership with **TURKSAT**.

**INCORA** (Wesco Aircraft/Pattonair) announced it has secured \$60 of annualized new business for supply chain management in Asia Pacific.

**HERBER AIRCRAFT SERVICE**, CA was named by Eaton Aerospace as global distributor of its aerospace conveyance and engine solution product lines.

**AAR** signed multiple additional distribution agreements with Ontic.

**L3HARRIS TECHNOLOGIES** received approval from Japan's JCAB for its Reality7e 787-9 full-flight simulator now in service with ANA in Tokyo.

**CMC ELECTRONICS** says its third generation digital HUD technology is in final stage of product development/certification for delivery from early '25.

**GE AEROSPACE** was selected by Riyadh Air to provide suite of flight operations software, including Safety Insight, Fuel Insight and FlightPulse.

**COLLINS AEROSPACE** was selected by Freebird Airlines to provide Ascentia data management and analytics platform for A320 predictive maintenance.

**PLYABLE**, UK launched composite parts production beyond just tooling.

ST ENGINEERING launched LEAP-1A testing at its Singapore engine shop.

WERNER AERO, NJ received ISO 9001 certification for quality/excellence.

ALTA added GA Telesis as a new affiliate member.

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**GE AEROSPACE** was selected by Avolon to implement Asset Transfer System (ATS) to provide real-time visibility and access to maintenance records via user-friendly digital interface, an enhanced OCR search, and third-party collaboration.

DUTCH MINISTRY OF DEFENSE ordered nine C-390s from Embraer in joint deal for AUSTRIA (5) and RNLAF (4).

PARAGUAYAN AIR FORCE ordered six A-29 Super Tucanos for delivery from 2025; EMBRAER has now sold >260.

AIRBUS has 10-year NATO contract to provide simulation and training package for multinational A330MRTT fleet.

**BOEING** and **ANTONOV** signed MOU to explore opportunities to collaborate on defense projects, including training, logistical support and overhaul services for Ukraine's tactical UASs, plus Antonov providing engineering to Boeing.

#### Who'sNews

Dror Bar to an Executive Vice President of Israel Aerospace Industries and Chief Executive of ELTA Systems, Israel.

Mike Boland to Chief Operating Officer of Triumph Group, PA.

Chris Cholerton to Chairman of Alpha Partners Leasing (APL), UK.

- Ryan Green to Executive Vice President-Commercial Transformation of Southwest Airlines.
- Bo Lump to Senior Vice President-Business Development of SR Technics, Zurich.

Brendan Craig Martin to President Director of BBN Airlines Indonesia.

Eileen McCarthy to General Counsel and Corporate Secretary of JetBlue Airways (effective August 5).

Natasha Trudeau to President-Actuation Products and Services, based in Yakima, WA, of Triumph Group.

Caroline M. Vandedrinck to Senior Vice President-Materials & Services of Willis Lease Finance Corporation, FL.



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