

We are a market leading, global business aviation services company, specialising in supporting individuals, corporations and government agencies' aviation requirements.



Gama Aviation ""

King Air maintenance support.

Fleet support.

Enhancements:

- Raisbeck Engineering.
- Garmin Avionics.

Part 21 J.

Our King Air modifications.

Our team.

Our Bournemouth facility.

Our Glasgow facility.

AOG Assist.

Gama Aviation ""



Welcome to our King Air maintenance services.

The bane of many an operational department, aircraft downtime, helps no-one and hinders everyone. For many organisations, downtime is more than an inconvenience it's a business-critical failure with a ripple effect of repercussions. An unhappy client is one thing, failing to pick-up an RTA emergency patient is another.

As an operator and a maintenance provider, we appreciate this more than most. Three decades ago we began the task of setting-up a maintenance network that was designed to help operators fulfil their missions by providing support where it was needed most.

36 years on, we proudly support Wheels Up, Netjets, Scottish Ambulance Service, The Ministry of Defence and a host of fleet operators and owners, helping them to achieve the highest levels of uptime availability.

One of core, and legacy offerings, is turboprop maintenance. Recognised as industry experts on the King Air fleet, our UK Authorised Service Facilities support line/AOG maintenance, base maintenance, major avionics upgrades and retrofits, interior refurbishment and paint, part 21 component maintenance and more. We also support additional turboprop types such as the Aerocommander and Baron, amongst many others.

Within the content of this introductory brochure, you will see detail on our history, scope and capability, our facilities and our team. These coupled together, allow us to provide you safe and compliant maintenance, delivered on time and at the agreed budget.

I look forward to discussing these with you in further detail, and welcoming you to our family of blue chip clients.

Yours Sincerely

Mark Durcan
Head of MRO Services

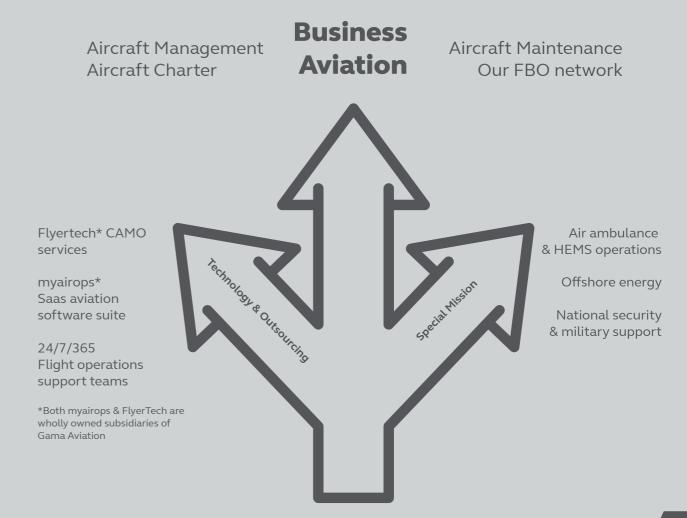
We are a market leading, global business aviation services company, specialising in supporting individuals, corporations and government agencies' bespoke aviation requirements.

We operate with demanding, availability led customers that rely on their assets being 'mission ready' for immediate deployment.

We hold approvals and capability to provide a full turnkey service from airworthiness compliance to Part21J design, Part21G modification through to AOG, line and base maintenance support.

We are agile and have a strong track record of effectively scaling our operation to meet the needs of our customers. (i.e. MoD, NetJets, Scottish Ambulance Service, etc.)

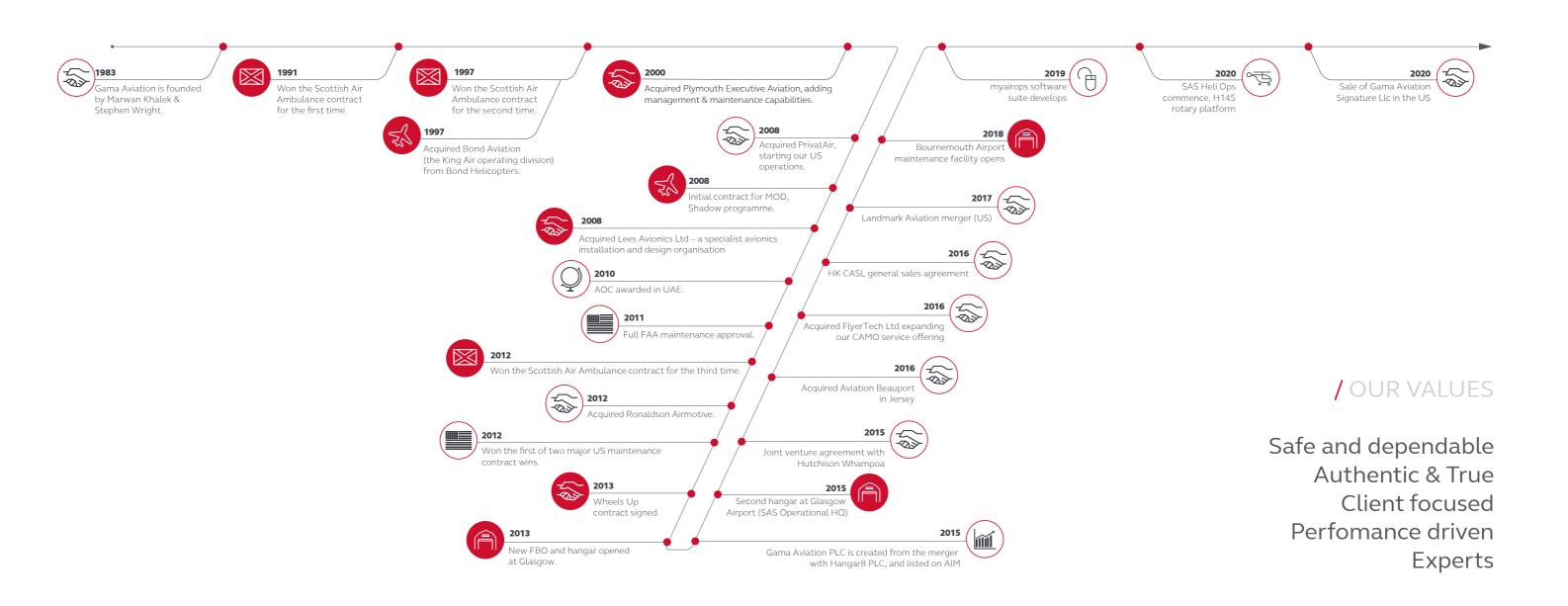
Aircraft charter	AOG suppor
Line maintenance	Ground handling
Aircraft management	Base maintenance
Paint shop	FBO services
Special mission support	Battery shop
Operations support	Crew training
Logistics support	Aircraft re-role
Interior modifications	Airworthiness
External modifications	Avionics upgrades



/ OUR HISTORY

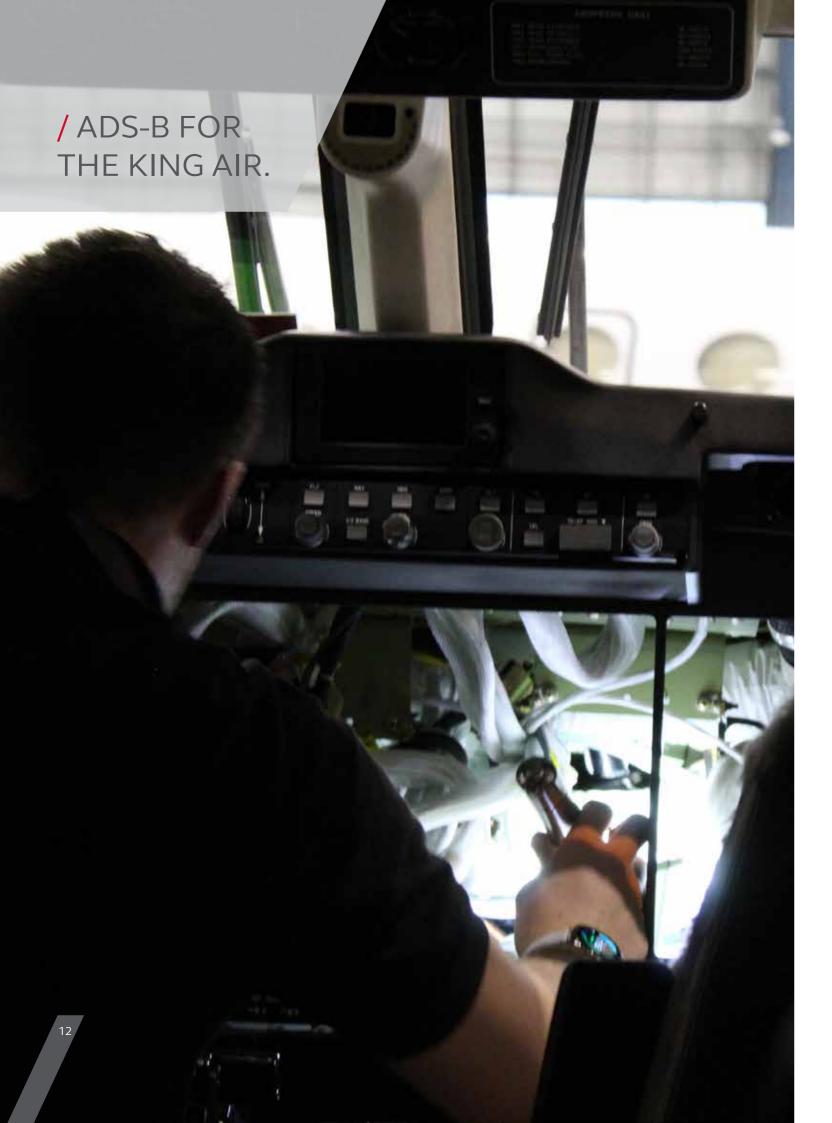
Gama Aviation ""

37 years of business aviation operational maintenance and support.









/ ADS-BOUT.

ADS-B OUT (Automatic Dependant Surveillance - Broadcast) requires that the aircraft transmits its own GPS position via the Mode S transponder, regardless of whether the aircraft is being interrogated by a ground radar or by another aircraft's TCAS (Traffic Collision Avoidance System). The GPS source must meet high accuracy and integrity requirements only available from a qualified WAAS GPS.

The European airspace mandate for ADS-B OUT has been extended to 7 June 2023, provided that the operator has a formal upgrade path identified by 7 December 2020. Of note is that older aircraft with a first C of A issued PRIOR TO 7 JUNE 1995 ARE NOW EXEMPT FROM ADS-B REQUIREMENTS IN EUROPE (BUT NOT IN THE US).

EUROPEAN PROLINE 21 EQUIPPED KING AIRS.

These aircraft should have TDR94D diversity Mode S transponders providing Enhanced Surveillance (EHS) and a GPS4000A/S GPS system. Upgrade paths for these aircraft (ADS-B and LPV) are available by Beechcraft factory service bulletins, Rockwell Collins STCs or independent third-party STCs (ADS-B out only).

/ Here is a typical scenario for a Proline 21 equipped King Air with LPV enabled.

Baseline avionics: Rockwell Collins Proline 21 Current transponders: TDR94D-007 to 409

Current GPS: GPS4000S

Requirements:.

Upgrade transponders to TDR94D-501. Embody Rockwell Collins STC, Textron/Beechcraft service bulletin or third-party STC.

EARLIER-GENERATION B200/300 KING AIR WITH ROCKWELL COLLINS EFIS 85 FLIGHT DISPLAYS AND PROLINE 11 RADIOS.

In these aircraft, many alternate options exist for Mode S transponders - Rockwell Collins TDR94D, Garmin GTX330D or Honeywell MST67A. GPS sources include Garmin, GNS430/530 and WAAS variants, Garmin GTN650/750, Universal UNS-1K/L/M FMS systems,

UNS-1(x)W WAAS FMS, Bendix-King KLN90B, KLN94 and possibly many more.

/ As an example here is a scenario for a typical Rockwell Collins EFIS85- equipped aircraft.

Baseline avionics: Rockwell Collins Proline 11 with EFIS 85 or analogue instruments

Current transponder: TDR94D-007 to 409

Current GPS: UNS-1K/L/M

Requirements: Upgrade transponders to TDR94D-501, Upgrade a single UNS-1K/L to a UNS-1Lw. ADS-B certification by third-party STC

Note 1: No direct upgrade is available from a UNS-1M – in this case install a UNS-1Lw or use a stand-alone WAAS GPS such as the FreeFlight 1203C.

Note 2: No LPV capability is provided with a UNS-FMS upgrade unless a second UNS-()W or monitor is installed.

OLDER 90/200 SERIES KING AIRS.

Finally the older generation aircraft in the 90/200 series are fitted with analogue flight instruments, Rockwell Collins Proline 1/11, Bendix-King Gold Crown or even Silver Crown radios and a wide variation of GPS types. These older aircraft will require individual assessment to determine the best route for upgrade. As a minimum, the transponders will need upgrading to meet the ADS-B OUT mandate, along with the provision of a compatible WAAS GPS source.



We are an authorised installation centre for Raisbeck products . Raisbeck engineering advanced performance systems are aimed at improving the performance, comfort, safety, and operational flexibility of your aicraft.





/ Landing gear doors.

The installation of fully enclosed main landing gear doors on King Air high float landing gear.

This reduces drag and improves performance / Dual aft body strakes.

The implementation of the strakes improve directional stability, passenger ride quality, pilot control and aircraft handling.

These are a retro fit to the B200 series.

/ Also available for installation.

Enhanced performance leading edges. Swept blade or quiet turbofan propellers. Ram Air recovery. Crown wing lockers.







If your aircraft is feeling a little tired, why not give it a whole new lease of life! From white with stripes to more complex paint applications we can transform the appearance of your aircraft.

Whether it is upgrading carpeting, air stairs, runners, cabinetry, fixtures or entertainment systems, we strive to deliver elegant, creative and functional busines jet aircraft interior solutions to our customers.









THE STANDARD IN GLASS FLIGHT DECK CAPABILITY.

/ Integrate Your Cockpit.

G1000Nxi puts a wealth of flight-critical data at your fingertips. Its glass flightdeck presents flight instrumentation, navigation, weather, terrain, traffic and engine data on large-format, high-resolution displays.

/ Customize Your Display.

Featuring a flexible design, G1000Nxi adapts to a broad range of aircraft models. It can be configured as a 2-display or 3-display system, with a choice of 10" or 12" flat-panel LCDs interchangeable for use as either a primary flight display (PFD) or multi-function display (MFD). An optional 15" screen is also available for even larger format MFD configurations.

/ Enjoy Advanced AHRS Architecture.

G1000Nxi replaces traditional mechanical gyroscopic flight instruments with our super-reliable GRS77 Attitude and Heading Reference System (AHRS). AHRS provides accurate, digital output and referencing of your aircraft position, rate, vector and acceleration data. It's even able to restart and properly reference itself while your aircraft is moving.

/ Put It on Autopilot.

G1000Nxi also includes the GFC 700, the first entirely new autopilot designed and certified for the 21st century. The GFC 700 is capable of using all data available to G1000Nxi to navigate, including the ability to maintain airspeed references and optimize performance over the entire airspeed envelope.

/ Enhance Situational Awareness.

G1000Nxi seamlessly integrates built-in terrain and navigation databases, providing a clear, concise picture of where you are and where you're heading.

A Jeppesen® database supports onscreen navigation, communication and mapping functions. For safer arrivals and departures, optional ChartViewTM — available through Jeppesen's JeppViewTM subscription service — lets you overlay your aircraft's position on the electronic approach chart to provide a visual crosscheck. Using information from the built-in terrain, U.S. and Canadian obstacles databases, G1000Nxi displays color coding to graphically alert you when proximity conflicts loom

The G1000Nxi includes Garmin's FlightStream 510 wireless interface, permitting transfer of Nav database updates directly from an iPad, along with remote flight planning using the Garmin Pilot app.



/ PART 21J.

BEING A PART 21J/MAA DAOS
APPROVED ORGANISATION WE
UNDERTAKE A BROAD RANGE
OF AVIONIC AND STRUCTURAL
DESIGN AND CERTIFICATION
SERVICES.

/ Engineering design capabilities:

Designs are either minor changes under our own approval, or major changes that result in a supplemental type certificate (STC). We can also undertake design modification on non certificated aircraft in association with our partner FAA DERs

/ STC's Aviation engineering STC's:

New STC applications are being submitted on a regular basis, please contact the design office for further information. Our capability also includes the approval of existing avionics equipment and installations on aircraft transferring to national registrations.



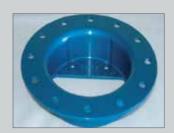
/ OUR KING AIR MODIFICATIONS.





Ever wanted an APU in your King Air?

This modification allows the aircraft to be powered without need for external power or draining the main battery.



/ Improved fuel pan.

A direct replacement for the original pan with no additional work.

The pan is more robust and prevents damage from enthusiastic refuels.



/ Compressor case drain.

This modification eliminates the need to remove engine cowlings for compressor washing. Thus saving in service down time and cost.



/ LED light conversion

Replaces standard incandescent bulbs that have a variable in service reliability.

No more technical groundings in icing conditions



/ PTT switch modification

P1 & P2 Glare Shield mounted 'Press To Talk' switches.

Ergonomic positioning for flight on autopilot and back up to keep you flying should any yoke switch fail.

/ Also available with full certification.

- Steep Approach Modification for the King Air
- Cockpit guard for ELT switch
- LED position lights
- Smoke Hood provision
- Smoke goggle partition holder
- In Flight Entertainment modification, film selection with personal cabin screens and external
- Upgraded LED cabin lighting.
- Bespoke cabin furnishings
- Interior trim upgrades
- · Upgraded main battery
- Sheepskin crew seat covers for added comfort





/ Hangar 12, Bournemouth.

Our Bournemouth International Airport facility, a hangar and office facility of over 135,000 sq ft provides an extraordinary space which is fast becoming one of Europe's flagship business aviation facilities.

Bournemouth is our primary European business jet maintenance centre, with base, line and AOG approvals alongside our paint shop facility. We have EASA, Bermuda, Cayman, FAA, IOM, Guernsey approvals for the Bombardier Challenger 601/604/605 and 850, Citations, Mustangs, Legacy series, Bombardier Globals, Hawkers, King Airs and Premiers.







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ENGINEERING

/ Global maintenance locations.

/ EU locations.	/ US locations.

Bournemouth Teterboro, NJ
Glasgow Bedford, MA
Aberdeen WhitePlains, NY
Doncaster West Palm Beach, FL
Chicago, IL
/ ROW St Louis, MO

/ ROW St Louis, MO
Dallas, TX
Sharjah UAE Las Vegas, NV
Hong Kong Van Nuys, CA



Your mission, our passion gamaaviation.com

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