G5000® INTEGRATED FLIGHT DECK RETROFIT

NEW LIFE FOR YOUR AIRCRAFT

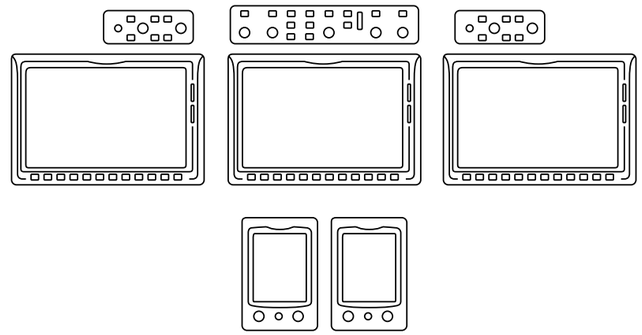
NEW LIFE FOR YOUR AIRCRAFT

Your corporate jet has proven itself to be a vital tool for your organization. But as it ages, you might have some important questions about its future. Fortunately, you also have an easy answer. The Garmin G5000® integrated flight deck retrofit. With it, you'll add even more value and utility to your aircraft—as well as boost the service life and reliability of this valuable asset.

The G5000 not only brings the most advanced navigation capabilities to your aircraft, but it also delivers savings and more efficient operation—while also meeting upcoming global requirements for ADS-B.

With a G5000 retrofit, you remove 150 pounds or more of hardware and wiring. That's enough weight savings to carry an additional team member, or more baggage, or more fuel. Plus, its state-of-the-art capabilities should add significantly to your estimated resale value at trade-up time, and until then, predictable flat rates for repairs help keep costs of ownership low—and confidence levels high. And it's backed by our 365/24/7 customer support that's earned No. 1 rankings from readers of Aviation International News and Professional Pilot for more than a decade, which is only a call away.

Garmin G5000: It's the clear-as-glass choice for giving your aircraft a fresh new lease on life. No other upgrade comes close—for anything close to the price.



TECHNOLOGY ON DISPLAY

The Garmin G5000 is engineered to reduce workload, improve situational awareness and give flight crews the tools to enhance safety and efficiency on every flight.

Large, high-resolution color screens depict aircraft performance, navigation, weather, terrain and traffic information with easy-to-interpret displays. A proven, digital attitude and heading reference system delivers high-precision data for the instruments on the Primary Flight Displays (PFD).

Plus, with the addition of optional Garmin SVT™ synthetic vision technology, pilots see a realistic 3-D view of topographic features surrounding their aircraft. Garmin SVT tracks the navigation system's terrain database to recreate this "virtual reality" landscape on the pilot and copilot PFDs.

Meanwhile, detailed moving-map graphics on the Multi-function Display show the aircraft's current position relative to navigational aids, airways, flight plan routings, and more. Flight crews can also overlay weather, lightning, traffic, terrain, and obstruction for improved awareness, while still viewing essential engine status, crew alerting and fuel-systems data on the MFD's multi-pane screen for easier monitoring and faster troubleshooting.

All of these functions are managed through infrared, touchscreen Aircraft System Management controllers. Simply tap the screen to access the window, frequency or menu item, making even advanced operations intuitive and easy.

TROUBLESHOOTING DATA

With the Flight Data Logging feature, the G5000® automatically stores critical flight and engine parameters, so if there's an abnormality, data can quickly be made available to a maintenance facility to help expedite troubleshooting and minimize service downtime.

AUTOPILOT INTEGRATION

To fully leverage the performance and capability of your aircraft, the G5000 offers an advanced Automatic Flight Control System (AFCS) that's engineered to provide the latest autopilot functionality—including the easiest one-button coupled go-around capabilities in the industry.

Passengers will appreciate the silky smooth climbs, turns and descents, and your pilots will appreciate its precise navigation guidance for all phases of flight. The system is fully enabled for satellite-based navigation, which allows approaches into runways that may not be served by ground-based electronic approach aids. And it can automatically fly any procedure published in the navigation database. That means your aircraft will have access to more all-weather landing options at more airports throughout the world.

TRAFFIC, WEATHER AND COMMUNICATIONS

By upgrading your company aircraft to a G5000® integrated flight deck, you're providing your flight crews with the most complete package of airborne traffic, weather and communications links anywhere they fly.

G5000 not only meets international requirements for ADS-B ("Automatic Dependent Surveillance – Broadcast"), but it also integrates a complete picture of potential traffic conflicts so your flight crews have every possible advantage when it comes to "seeing and avoiding" in busy, high-density airspace. In fact, G5000 includes dual GTX 3000 ADS-B transponders that integrate with existing traffic systems to provide the most comprehensive picture of traffic threats available. With TCAS I, audio alerts tell pilots where to scan for targets, while the TCAS II package indicates potential traffic threats and provides both visual and aural instructions on how best to avoid a collision—by initiating a climb, descent or level-off maneuver.

In addition, G5000 also supports a variety of satelite datalink options to provide flight crews with the NEXRAD weather, current airport conditions, forecasts, temporary flight restrictions, cloud tops, winds aloft, and more, which aids in flight planning and routing. And for the best in onboard real-time weather surveillance, the G5000 interfaces with our GWX™ digital radars to help flight crews analyze storm tops, gradients and cell-buildup activity at various altitudes, as well as optionally detecting turbulence for greater passenger comfort—and pilots can see it all, at the same time, with the split-screen mode on the MFDs, which give them four different radar views, including overlays on the moving map.

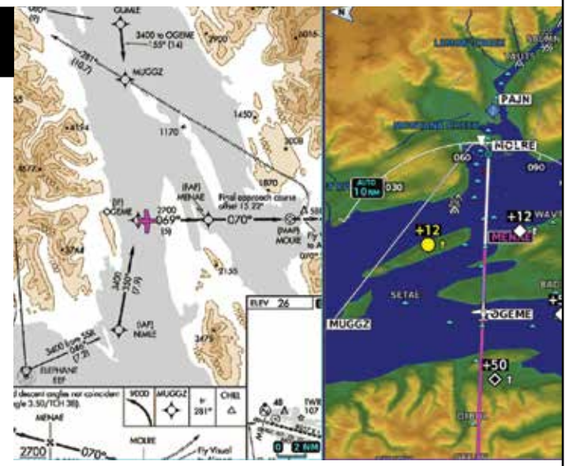
And G5000 allows flight crews and passengers to stay connected from virtually anywhere on the planet. Garmin Connext® wireless connectivity enables voice calling, text messaging, position reporting, and more.

PERFORMANCE AWARENESS

The G5000 offers the latest in performance planning and management functions. Using inputs from the onboard aircraft systems—as well as airframe-specific data from the aircraft flight manual—G5000 automatically calculates critical engine N1 speeds and maximum operating airspeeds, and it offers prebuilt profiles for climb, cruise, descent, vertical navigation and climb to cruise, which keep the aircraft where you need it, at the speeds required. And building on these capabilities, optional SurfaceWatch technology provides flight crews with visual and aural alerts that warn if the aircraft is about to takeoff or land on too short a runway, on the wrong runway, or on a taxiway.

NEXTGEN NAVIGATION CAPABILITY

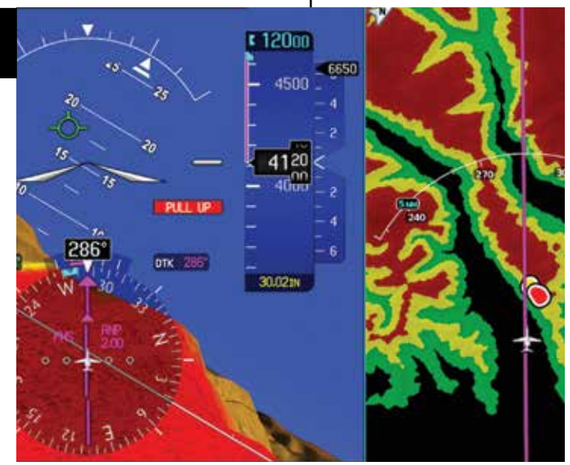
The G5000 provides your flight crews with additional instrument approach options, including radius-to-fix (RF) legs, which are sometimes found in complex Instrument Approach Procedures. This capability provides pilots and operators with greater access to airports in areas of the world where instrument approaches are nestled among challenging terrain environments.



TERRAIN AWARENESS

To help reduce the risk of accidents involving controlled flight into terrain (CFIT), the G5000 is provisioned for "forward looking" terrain avoidance (FLTA) capability with Class B (and optional Class A) Terrain Awareness and Warning Systems (TAWS). These systems compare the aircraft's current position with the navigation system's internal databases to determine where conflicts may exist.

Optional TAWS-A capabilities alert for excessive rates of descent, altitude loss after takeoff, excessive closure rate to terrain, excessive downward deviations from an approach, and the impending flight into terrain when the aircraft is not set up in landing configuration.



MAKE G5000 WORK FOR YOU

The Garmin G5000 flight deck modernization program offers a state-of-the-art integrated flight deck that yields advanced capabilities and an exceptional in-flight experience that surpasses other solutions available on the market today — all the while solving a broad range of worldwide operational requirements.

To learn more about upgrading your Beechjet 400A/Hawker 400XL cockpit with the G5000, contact Dave Brown, Garmin Integrated Flight Deck Sales Manager at Dave.Brown@Garmin.com or 913-440-1714.

GARMIN

GARMIN INTERNATIONAL, INC.

Garmin.com/aviation

1200 East 151st Street, Olathe, KS 66062
p: 866.739.5687 f: 913.397.8282

GARMIN (EUROPE) LTD.,
Liberty House, Hounsdown Business Park,
Southampton, Hampshire, SO40 9LR, U.K.
p: +44 (0)87.0850.1243 f: +44 (0)23.8052.4004

GARMIN SINGAPORE PTE. LTD.,
46 East Coast Road #05-06, Singapore 428766
p: 65.63480378
f: 65.63480278
e: avionics.asia@garmin.com

0217 M02-10243-00