



AIRCRAFT
ENHANCEMENTS

THE BROADEST PORTFOLIO OF BUSINESS JETS.

Offered by any manufacturer in the world—have redefined the standard for almost every sector of business aviation, but here at Embraer Services & Support our primary measure of success is our care with you, our customers.

That is why our engineers remain dedicated to developing innovations and enhancements for your aircraft after it has entered service to ensure you are provided the versatility and flexibility to operate your aircraft when you want, where you want, at the peak of its operational performance and preserve your aircraft's value.

We have made a selection of our top 5 competitive modifications for your aircraft in this brochure. To see our complete portfolio visit our website at **services.embraer.com**

FANS 1/A+

FASTER CLEARANCES. BETTER ROUTINGS.

To comply with the upcoming North Atlantic FANS 1/A+ and European PM-CPDLC mandates, operators will need to upgrade their onboard Communication, Navigation and Surveillance (CNS) equipment. The data link functionality is most heavily impacted. Not only your data link functionality needs to be FANS 1/A+ compliant, your SATCOM, FMS and VHS transceiver may also need modification. Embraer reviews your complete avionics configuration and install the necessary equipment for a fully-integrated end-to-end FANS 1/A+ compatible system.

KEY BENEFITS

- ✓ Be ready for future mandates
- ✓ Easy and quick Pre-Departure Clearance at equipped airports
- ✓ Reduces flight deck workload with text messages
- ✓ Improves fuel consumption with direct routes

INSTALLATION

The Service Bulletin for installation of FANS 1/A+ is

SB 550-23-0005 (Provisions applicable to aircraft with Iridium System)

SB 550-23-0011 (Provisions applicable to aircraft without Iridium System)

SB 550-23-0007 (Activation)

OUR GOAL IS TO MAKE YOUR LIFE EASIER

For more information about FANS 1/A+ for the Legacy 450/500, call your Sales Manager or reach us at our Contact Center contact.center@embraer.com



LEGACY 450 CONVERSION TO PRAETOR 500

CONVERT YOUR LEGACY 450 TO A PRAETOR 500

Need more range? With our conversion modification, you can fly nearly 350 nm further with 4 passengers. And with 6 passengers, your converted Legacy 450 will fly an impressive 684 nm more to 3,233 nm.

	LEGACY 450	PRAETOR 500
RANGE (4 PAX)	2,904 NM	3,340 NM
PAYLOAD FULL FUEL	800 LB	1,600 LB
TOTAL FUEL	12,108 LB	13,058 LB

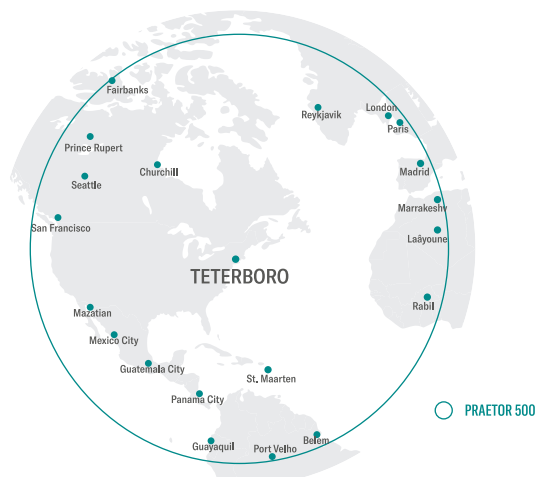
The mod installs new winglets, increases the capacity of the fuel tank, and requires a new avionics load. Contact us for all the details.

Assumptions: LRC speed, ISA en-route, no wind, NBAA IFR reserves with 200 nm alternate, pilots and pax @200lb each.

RANGE CIRCLE

Teterboro - KTEC/TEB

Mission details: 4 passengers and 2 pilots at 200 lb (91 kg) each; LRC speed; 85% Annual Winds and ISA en-route; 85% annual takeoff temperature; 3% airways allowance; NBAA IFR Reserves with 200 nm alternate;



OUR GOAL IS TO MAKE YOUR LIFE EASIER

For more information about Legacy 450 conversion to a Praetor 500, call your Sales Manager or reach us at our Contact Center contact.center@embraer.com



PREDICTIVE WINDSHEAR AND VERTICAL WEATHER AN INNOVATIVE PACKAGE

To provide pilots with early warning about windshear conditions such as microbursts, Embraer's predictive windshear technology scans the real-time weather radar and flags up problematic areas. This increases crew awareness, allowing pilots time to prepare and maneuver when needed for a smoother flight experience. If you're in need of an extra level of protection, Predictive Windshear functionality detects windshear conditions ahead of the aircraft during takeoff and landing phase.

The Flight Crew will receive Caution and Warning aural and visual alerts at the display. The function provides up to 60° detection coverage out to 5 NM. The Vertical Weather display shows the weather conditions in a vertical "slice" ahead of the aircraft. It will present information up to 100 NM of range.

KEY BENEFITS

- ✓ Early warning about windshear conditions
- ✓ Improve crew awareness and alertness
- ✓ A smoother flight experience

INSTALLATION

The Service Bulletin for installation of Predictive Windshear and Vertical Weather is [SB 550-34-0017 \(A/C with display -430\)](#)

OUR GOAL IS TO MAKE YOUR LIFE EASIER

For more information about Predictive Windshear and Vertical Weather for the Legacy 450/500, call your Sales Manager or reach us at our Contact Center contact.center@embraer.com

[Click here](#) and learn more about Predictive Windshear in our Beyond the Wings blog.



HEPA FILTER

CLEAN AIR. CLEAN CABIN. SAFE FLIGHT.

The High Efficiency Particulate Air (HEPA) filter can capture 99.97% of bacteria, fungi, moisture, and crucially, viruses* ultimately providing fresher, cleaner air inside the aircraft.. Get ready and prepare your aircraft to protect yourself and your passengers onboard of your Legacy 450/500.

* HEPA filters have demonstrated good performance with particles of the SARS-Cov-2 virus size (approximately 70-120 nm)**

**Source: EASA SIB 2020-02 "Coronavirus 'SARS-CoV-2' Infections – Operational Recommendations"

KEY BENEFITS

- ✓ Cleanest cabin environment
- ✓ Protected environment for transporting passengers

INSTALLATION

The Service Bulletin for installation of the HEPA Filter feature is [550-21-0005](#).

OUR GOAL IS TO MAKE YOUR LIFE EASIER

For more information about HEPA Filter for the Legacy 450/500, call your Sales Manager or reach us at our Contact Center contact.center@embraer.com

[Click here](#) and learn more about HEPA in our Beyond the Wings blog.



GARMIN G1000 NXI UPDATE

MAXIMIZING NEW FEATURES & FASTER PROCESSING

Garmin G1000 NXi brings modernized displays with improved readability and state-of-the-art processors support smoother panning and faster map rendering. The modification offers an array of modern features, including wireless connectivity, SurfaceWatch™ runway monitoring technology, visual approach guidance, HSI map and more. The displays and controller also preserve the same mechanical footprint and harness connections as their predecessors, keeping downtime for the upgrade to a minimum. It also incorporates contemporary animations and new LED backlighting, offering increased display brightness and clarity, reduced power consumption, and improved dimming performance.

KEY BENEFITS

- ✓ Faster processing
- ✓ Quick implementation
- ✓ Modern features

INSTALLATION

Garmin G1000 NXi is a Garmin STC for Phenom 100 and Phenom 300.

OUR GOAL IS TO MAKE YOUR LIFE EASIER

Get in touch with us, through the Embraer's service centre network, your Sales Manager or at contact.center@embraer.com to schedule your G1000 NXi Upgrade Installation today!



services.embraer.com