

EmbraerExecutiveJets.com

LEGACY[®] 450

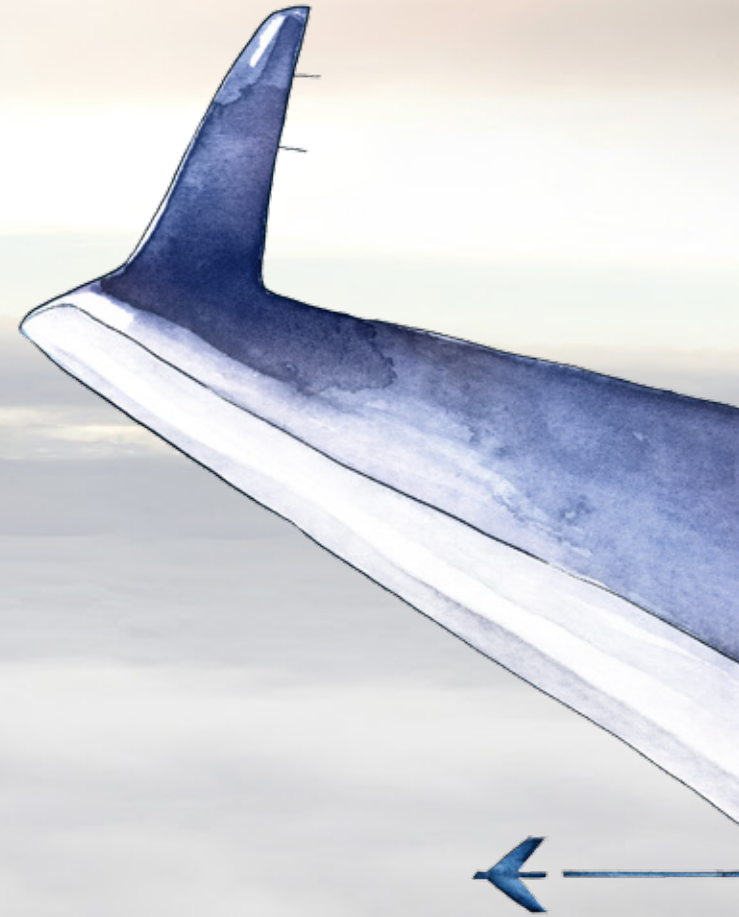
B Y E M B R A E R



CHALLENGE.
CREATE.
OUTPERFORM.



A NEW ERA
HAS DAWNED.



THE EXPERIENCE OF FLIGHT.
REIMAGINED.



SETTING THE NEW STANDARD.

At Embraer we design business jets that establish a new benchmark for the industry. We do this by Rethinking Convention.

From its inception, the Legacy 450 has introduced a new approach to the mid-light segment. Challenging industry norms, this new-generation jet delivers unparalleled comfort, performance, maintenance, and cost control for the mid-light sector and offers cutting-edge technologies for the cockpit and cabin once reserved for larger, far more expensive business jets.

Our vision defied the status quo, but that is nothing new to Embraer. For four decades we have built some of the world's most successful commercial and defense aircraft and in just over a decade we have become a leader in business aviation

by creating innovative and dynamic jets that rivals are now trying to emulate.

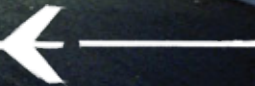
To deliver you the industry's best aircraft requires the skills, energy, and passion of the industry's best people, and at Embraer Executive Jets we are proud of our roots in Florida's Space Coast.

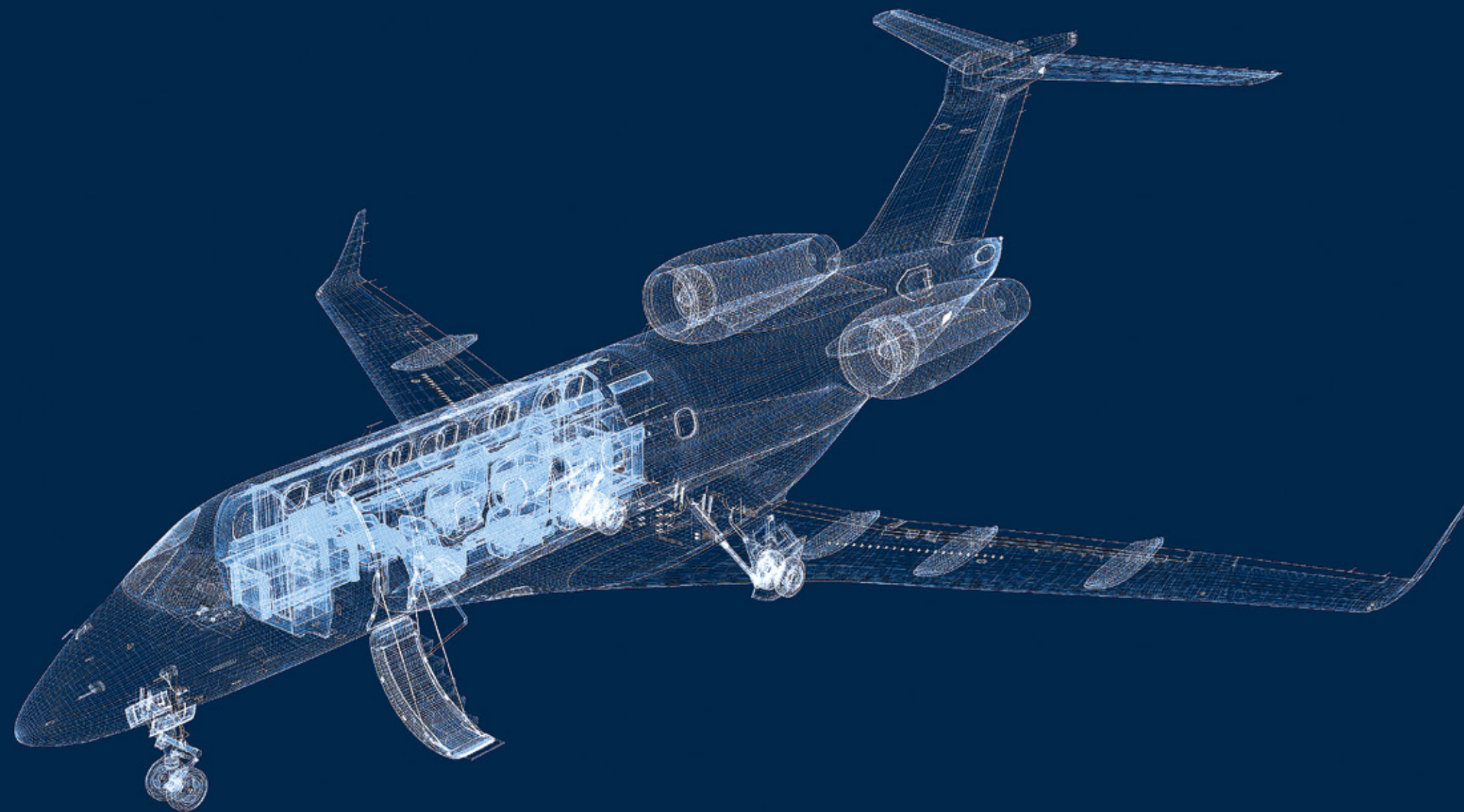
With a heritage steeped in aerospace's crowning achievements and the most concentrated population of engineers in North America, the Space Coast community has helped Embraer create the most modern assembly lines in business aviation and ensure that we deliver you the best customer service in the industry.

The next generation of aircraft is here. Welcome to the Legacy 450. ←



Customer Center in Melbourne - FL / USA





THE FREEDOM TO INNOVATE.

The Legacy 450's dramatic and instant impact on business aviation was only possible with a clean-sheet design. Freed from any design constraints, we guarantee that only the most modern, functional, and efficient technologies have been used in the Legacy 450 to create the largest, fastest, quietest, and most advanced aircraft ever introduced to the mid-light sector.

Embracing a commitment to engineering excellence that has seen us introduce four clean-sheet business

jets in just 10 years, the Legacy 450 is bestowed with a technological prowess that revolutionizes the concept of a mid-light jet while retaining the robustness, high utilization, and strength inherent in every Embraer aircraft.

By combining new levels of elegance and refinement with an unmatched speed and enhanced range, the Legacy 450 dismantles all previous expectations for a mid-light jet.

The Legacy 450 truly Rethinks Convention. 



INTELLIGENT LUXURY.

Embraer Design DNA is the strategy guiding Embraer Executive Jets' innovation path. Creating distinguishable elements with a sustainable evolution of the product, reutilizing proven solutions, increasing maturity and quality over time, and optimizing costs and resources among platforms with discernible product features and timeless design. Future technologies and interfaces will be adapted and translated into the Embraer Design DNA vision to support and add value to Embraer Executive Jets' portfolio and its position. ←





ENHANCED RANGE, GREATER POTENTIAL.



Hawaii / USA



Dubai / United Arab Emirates



Angra dos Reis / Brazil



London City / United Kingdom



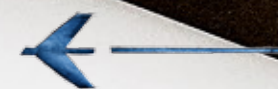
Aspen / USA



Hong Kong / China



ELEGANT
AND REFINED.



AND AN INCREDIBLE
NOTION OF SPACE.





A CABIN THAT EXCEEDS ALL
EXPECTATIONS.

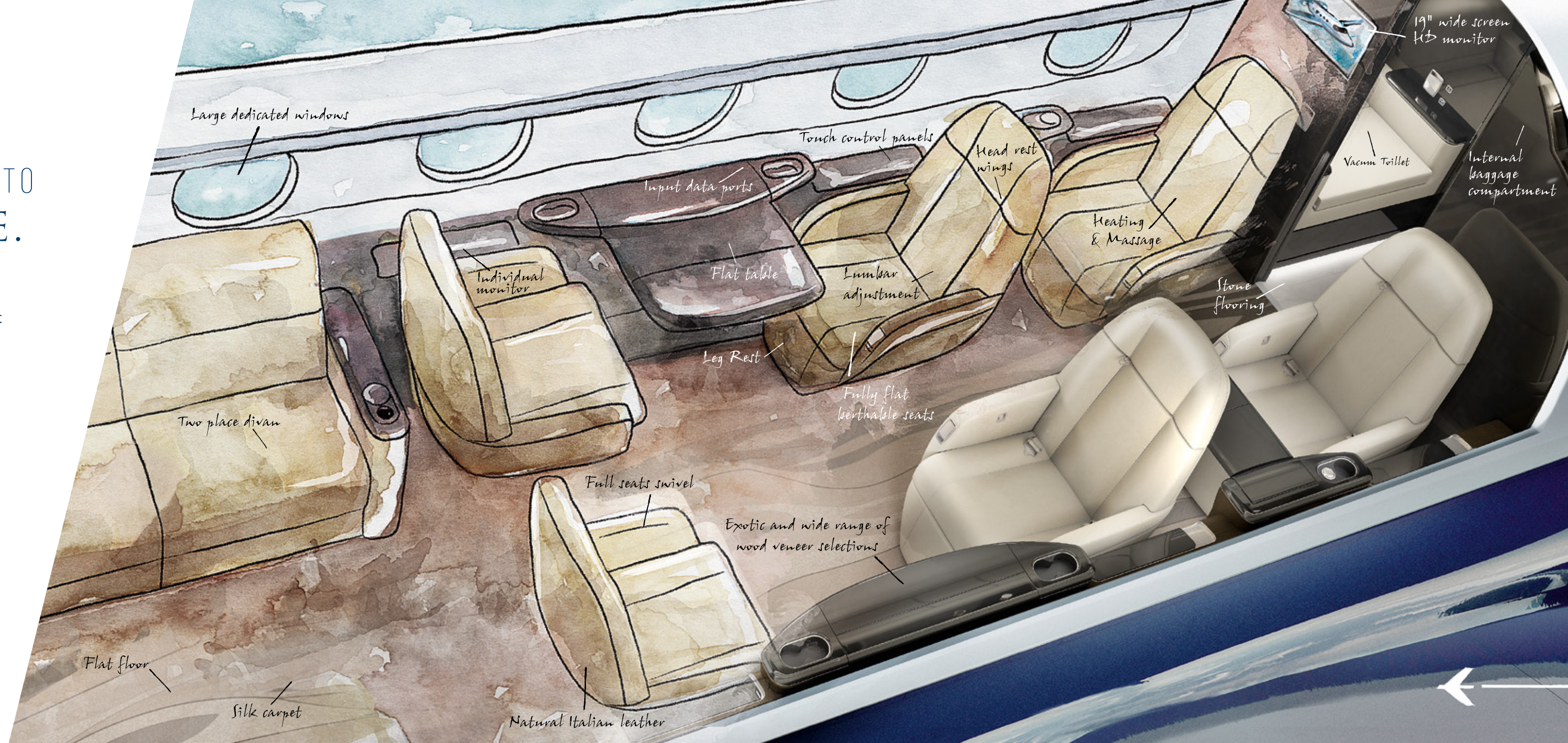
The Legacy 450's spacious, modern, luxurious cabin delivers a perfect environment for work and relaxation. ←



A COMMITMENT TO EXCELLENCE.

Our attention to detail and dedication to craftsmanship are evident throughout the Legacy 450's expansive cabin. The first mid-light jet to provide passengers the unencumbered freedom of a six-foot flat-floor cabin, our mid-light jet uses only the finest materials throughout to deliver optimum comfort.

Luxurious, fully reclining leather seats that seamlessly integrate with the cabin are paired with a window to give passengers an unmatched inflight experience. And with the largest luggage compartments in the mid-light sector, the Legacy 450 delivers you the capacity to meet your every need. ←





THE OPTIMUM EXPERIENCE.

With its 6,000-ft low altitude cabin pressure and state-of-the-art noise reducing technologies, the serene environment of the Legacy 450 cabin will invigorate you. [←](#)





Lavatory vanity with sink

Internal baggage compartment

Seats recline into beds

REVOLUTIONARY DESIGN SETS
A NEW STANDARD IN COMFORT.



YOU ARE IN CONTROL.

Always be in control with our revolutionary upper tech panel. A feature unique to Embraer, the innovative upper tech panel transforms cabin management to enhance your comfort. With an intuitive design, our overhead touchscreen panel delivers all the information you need at a glance as well as fingertip control of your environment. ←





A PERFECT UNION OF TECHNOLOGY AND ERGONOMICS.

In a true reflection of our Rethink Convention approach, we have established a new benchmark for mid-light jets by equipping the Legacy 450 with a full fly-by-wire system to deliver the unparalleled performance, safety, comfort, and fuel efficiency once reserved for only the largest, most expensive business jets.

But our innovation reaches far beyond the Legacy 450's flight control system. With the industry's first compact Head-Up Display integrating seamlessly with cutting-edge Enhanced and Synthetic Vision Systems, Legacy 450 pilots are afforded an unprecedented level of situational awareness. And our dark and quiet cockpit philosophy delivers crews an ergonomically astute cockpit that reduces pilot fatigue and minimizes workload. ←



THE FUTURE
IS HERE.



ACROSS THE COUNTRY. AROUND THE WORLD.

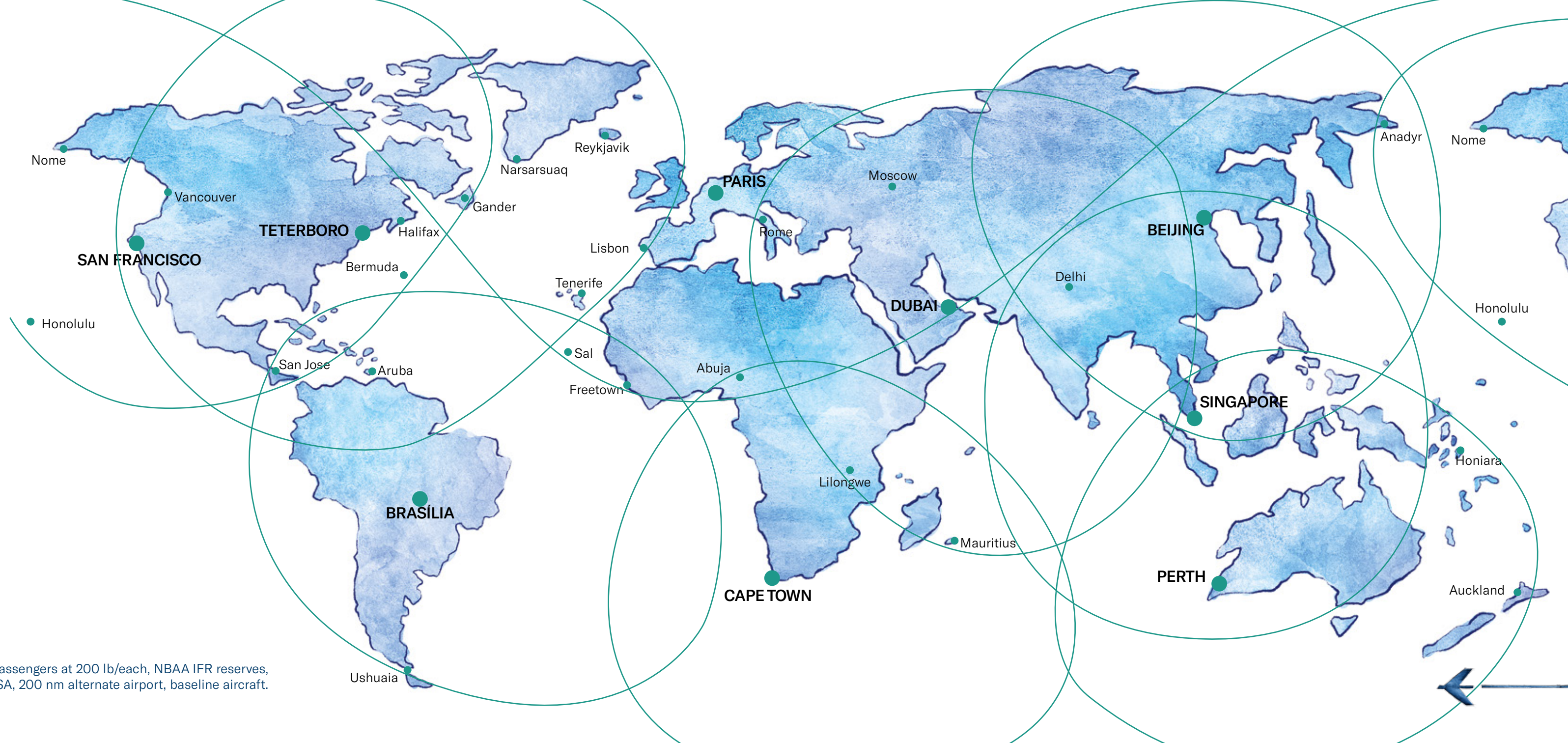
The Legacy 450 reimagines the potential of a mid-light jet.

The only aircraft in its class capable of Mach 0.83, the Legacy 450 delivers an extended range of 2,904 nm, unrivaled long-range cruise speeds, and an enhanced fuel efficiency to establish new performance benchmarks for business aviation.

With an unparalleled short-runway ability, a six-and-a-half-hour flying time, and an impressive 22 minutes to cruise altitude, the Legacy 450 connects you to the most important markets in the world, quickly, safely and comfortably, without restriction.

This is how a mid-light jet is meant to perform. This is the Embraer Legacy 450. ←

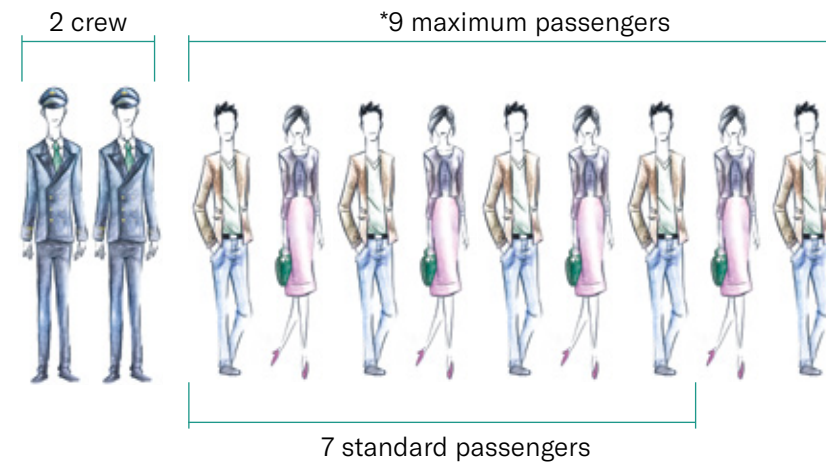
Range: LRC, 4 passengers at 200 lb/each, NBAA IFR reserves, 85% annual winds, ISA, 200 nm alternate airport, baseline aircraft.



SPECIFICATIONS:

Our commitment to innovation is perfectly encapsulated in the Legacy 450. With a level of comfort, performance, and technological prowess never seen in a mid-light jet, we are redefining the possible. ←

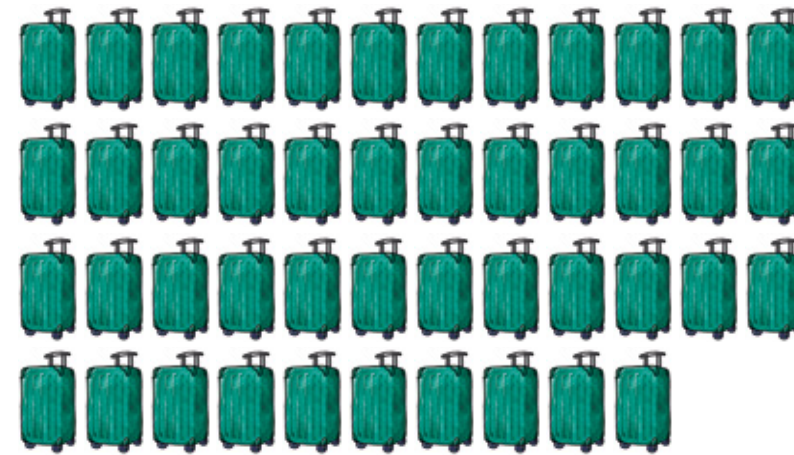
SEATING CONFIGURATION



* Maximum passengers capacity with the optional Belted Toilet.

MAXIMUM BAGGAGE AND STOWAGE VOLUME

155 cu.ft / 4.389 L



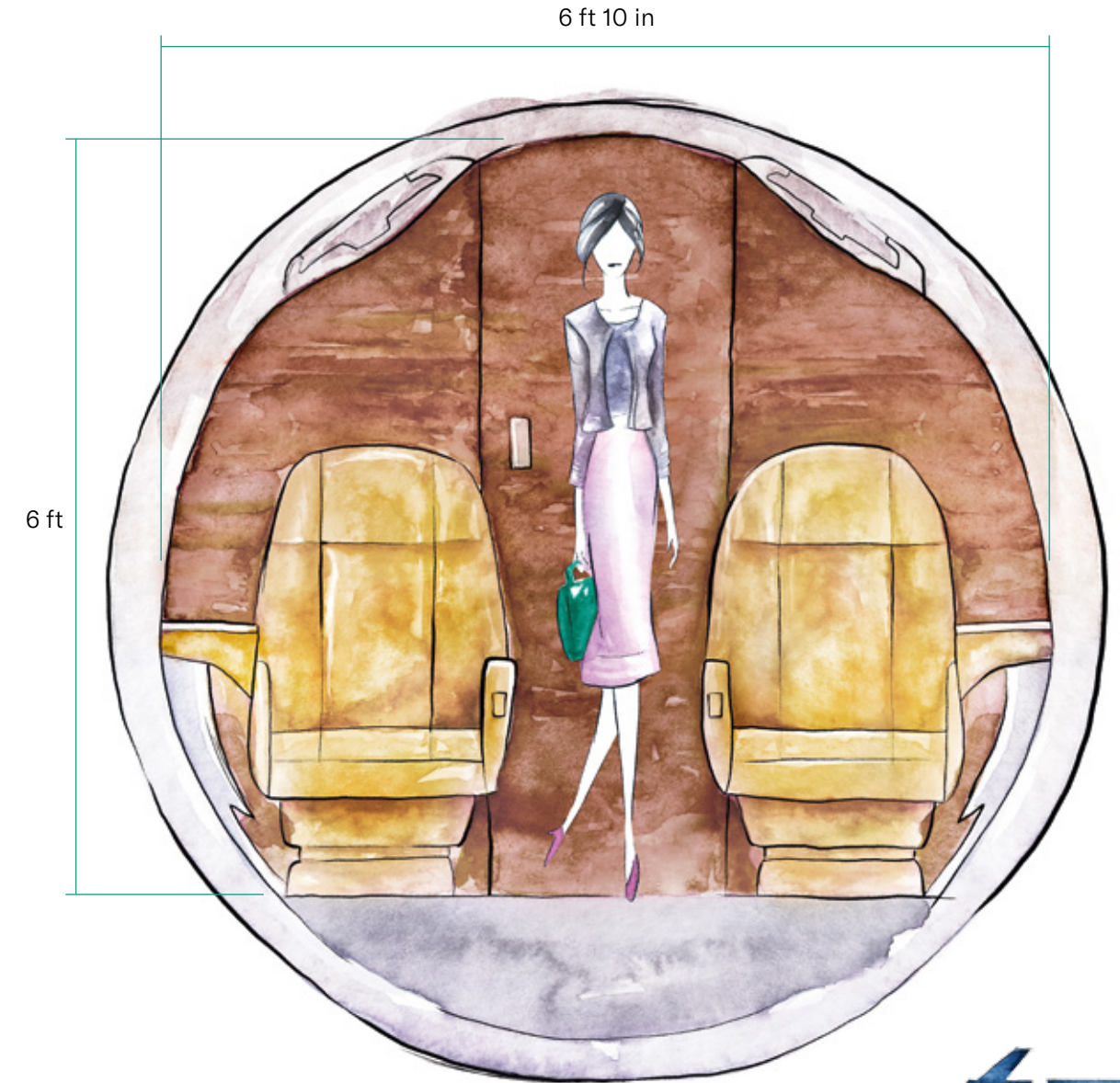
Two club seats, three single seats and belted toilet
(Maximum: 8 passengers)

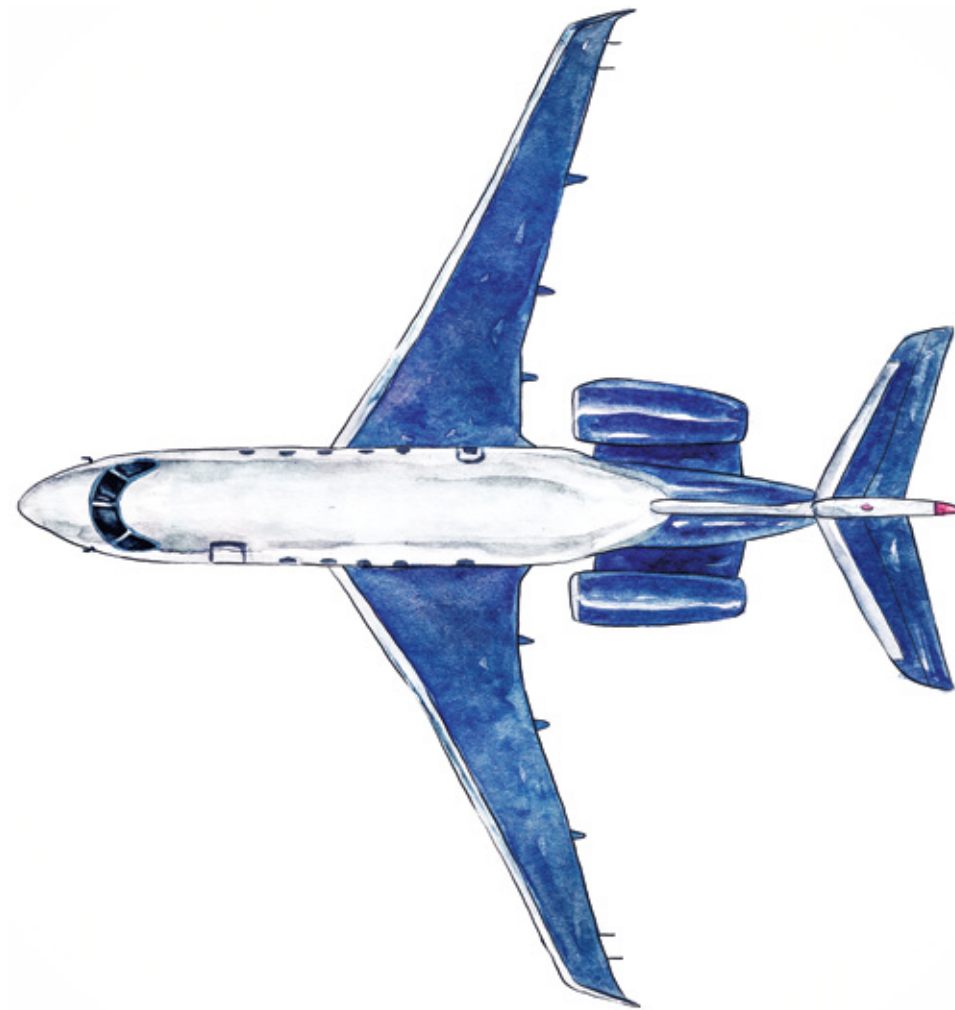


Two club seats, two single seats, one side facing seat and belted toilet
(Maximum: 8 passengers)

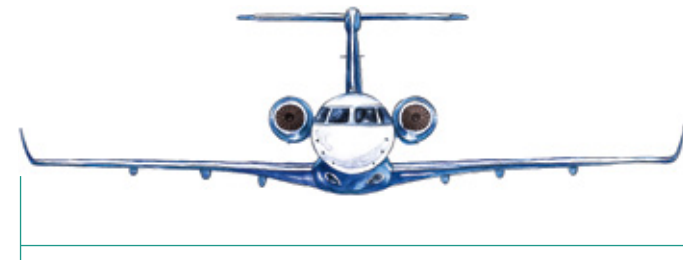


Two club seats, two single seats, two place divan and belted toilet
(Maximum: 9 passengers)





24 ft 1 in
(7.34 m)



66 ft 5 in (20.25 m)



21 ft 1 in
(6.43 m)

64 ft 7 in (19.68 m)

HIGH SPEED CRUISE
462 kt / 856 km/h

MMO
M 0.83

TAKEOFF DISTANCE (MTOW, SL, ISA)
3,907 ft / 1,191 m

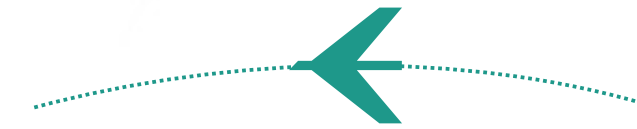
UNFACTORED LANDING DISTANCE
(LW with 4 passengers at 200 lb each, NBAA IFR reserves, SL, ISA)
2,090 ft / 637 m

PROPULSION
Honeywell HTF7500E

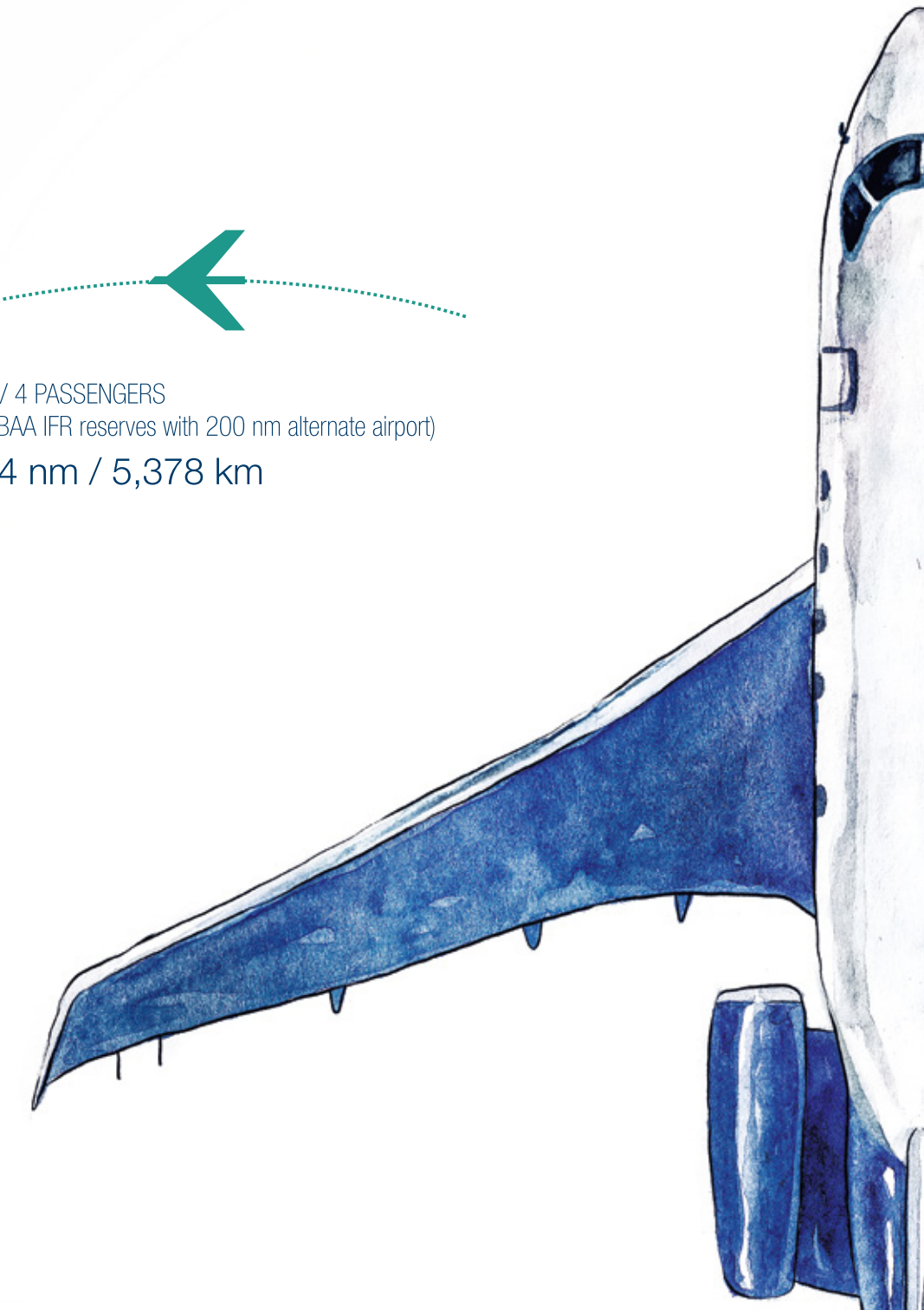
ENGINE THRUST / FLAT RATING
6,540 lbf / ISA + 18°C

MAXIMUM PAYLOAD
2,921 lb / 1,325 kg

MAXIMUM OPERATING ALTITUDE
45,000 ft / 13,716 m



RANGE / 4 PASSENGERS
(LRC, NBAA IFR reserves with 200 nm alternate airport)
2,904 nm / 5,378 km

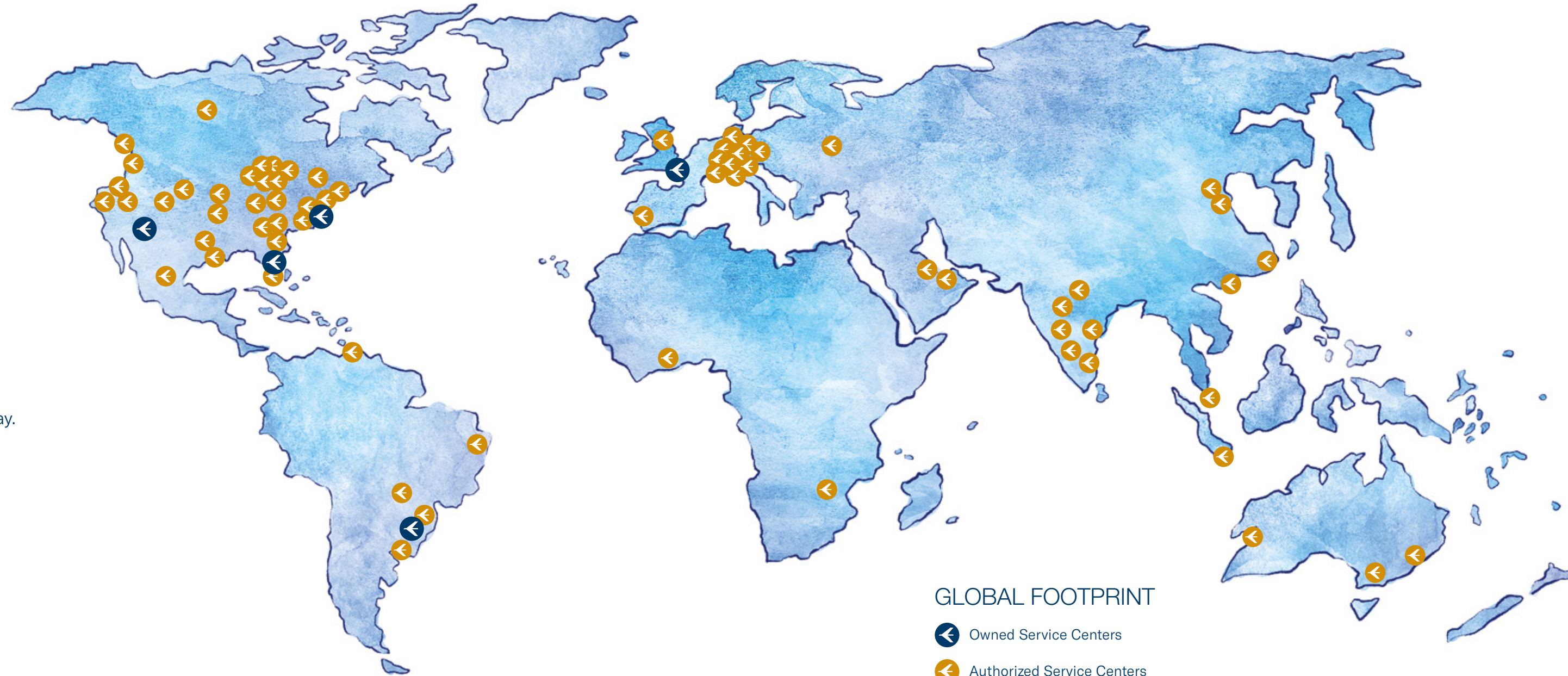


OUR COMMITMENT TO YOU.

At Embraer Executive Jets, we understand the importance of customer support and have created the industry's finest network of experts to guarantee you an unrivaled peace of mind.

Wherever you are in the world, a dedicated team of professionals at our Customer Support Contact Center is ready to help you, every minute of every day.

With the support and guidance of a single point of contact, you have access to a global network of more than 70 owned and authorized service centers—all staffed with highly-trained professionals—to ensure your Legacy 450 exceeds operational expectations and delivers you the optimum return on your investment. ←



GLOBAL FOOTPRINT

- ← Owned Service Centers
- ← Authorized Service Centers



INVESTING IN A BRIGHT FUTURE.

Embraer is dedicated to discovering and developing sustainable technologies and is committed to enhancing the communities in which we live.

Through our innovation in design and technology, the Legacy 450 is powered by engines that lower emissions, save fuel, and reduce noise to improve the flying experience, both for you and the environment. And in partnership with Boeing and the ecoDemonstrator program, we are working diligently on technologies that will improve environmental performance standards across aviation.

Embraer also supports and invests in our local communities with educational programs for low-income students through the Embraer Institute and the promotion of charitable donations, fundraising, and active volunteerism with our new Embraer Foundation. ←





FULL LINE
EMBRAER EXECUTIVE JETS

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PHENOM® 100

BY EMBRAER

PERFORMANCE:

Range (4 occupants, NBAA reserves): 1,178 nm
High-speed cruise: 405 ktas
MMO: M 0.70
Max. operating altitude: 41,000ft
Takeoff field length (MTOW, SL, ISA): 3,190 ft

ENGINES:

Pratt & Whitney - PW617F1-E / 1,730 lbf

AVIONICS:

Prodigy Touch Flight Deck (G3000)

CABIN HIGHLIGHTS:

Roomiest cabin and largest windows in class
Refreshment center (optional)
Fully enclosed aft lavatory (optional hard door)
Largest baggage compartment in class
Airstair

TECHNOLOGY HIGHLIGHTS:

Clean-sheet design
Single-pilot operation
Synthetic vision system
Synoptic views for main aircraft systems
Central maintenance computer
Lighting system based on LED
Trailing link landing gear
Brake-by-wire with antiskid
35,000-hour economic life
Low operating cost

Occupants: 6/8



PHENOM® 300

BY EMBRAER

PERFORMANCE:

Range (6 occupants, NBAA reserves): 1,971 nm
High-speed cruise: 453 ktas
MMO: M 0.78
Max. operating altitude: 45,000 ft
Takeoff field length (MTOW, SL, ISA): 3,138 ft

ENGINES:

Pratt & Whitney - PW535E / 3,360 lbf

AVIONICS:

Prodigy Touch Flight Deck (G3000)

CABIN HIGHLIGHTS:

Roomiest cabin and largest windows in class
Refreshment center
Choice of multiple cabin configurations
Largest baggage compartment in class
Airstair

TECHNOLOGY HIGHLIGHTS:

Clean-sheet design
Single-pilot operation
Externally serviced lavatory
Airline-like single-point refueling
Synthetic vision system
Synoptic views for main aircraft systems
Central maintenance computer
Lighting system based on LED
Brake-by-wire with antiskid
35,000-hour economic life
Low operating cost
Steep-approach operation

Occupants: 8/11



LEGACY® 450

BY EMBRAER

PERFORMANCE:

Range (4 pax, NBAA reserves): 2,904 nm
High-speed cruise: M 0.82
MMO: M 0.83
Max. operating altitude: 45,000 ft
Takeoff field length (MTOW, SL, ISA): 3,907 ft

ENGINES:

Honeywell - HTF7500E / 6,540 lbf

AVIONICS:

Rockwell Collins Pro Line Fusion

CABIN HIGHLIGHTS:

Roomiest cabin in class
Stand-up cabin with flat floor
Fully equipped wet galley (optional)
Choice of multiple cabin configurations
IFE system compatible to portable electronic devices
Largest baggage compartment in class
Low cabin noise
6,000 ft cabin at maximum cruise altitude

TECHNOLOGY HIGHLIGHTS:

Clean-sheet design
Full fly-by-wire controls with sidestick
Enhanced vision system (optional)
Head-up display (optional)
Auto-throttle
Synthetic vision system
Low operating cost
Steep-approach operation

Crew+standard Pax/max. pax: 2+7/9



LEGACY® 500

BY EMBRAER

PERFORMANCE:

Range (4 pax, NBAA reserves): 3,125 nm
High-speed cruise: M 0.82
MMO: M 0.83
Max. operating altitude: 45,000 ft
Takeoff field length (MTOW, SL, ISA): 4,084 ft

ENGINES:

Honeywell - HTF7500E / 7,036 lbf

AVIONICS:

Rockwell Collins Pro Line Fusion

CABIN HIGHLIGHTS:

Roomiest cabin in class
Stand-up cabin with flat floor
Fully equipped wet galley
Choice of multiple cabin configurations
IFE system compatible to portable electronic devices
Largest baggage compartment in class
Low cabin noise
6,000 ft cabin at maximum cruise altitude

TECHNOLOGY HIGHLIGHTS:

Clean-sheet design
Full fly-by-wire controls with sidestick
Enhanced vision system (optional)
Head-up display (optional)
Auto-throttle
Synthetic vision system
Low operating cost
Steep-approach operation

CREW+STANDARD PAX/MAX. PAX: 2+8/12



LEGACY® 650E

BY EMBRAER

PERFORMANCE:

Range (4 pax, NBAA reserves): 3,900 nm
High-speed cruise: M 0.80
MMO: M 0.80
Max. operating altitude: 41,000 ft
Takeoff field length (MTOW, SL, ISA): 5,741 ft

ENGINES:

Rolls Royce - AE3007A2 / 9,020 lbf

AVIONICS:

Honeywell Primus Elite

CABIN HIGHLIGHTS:

Three spacious cabin zones
Fully reclining seats
22 oversized windows
Choice of multiple cabin configurations
IFE system compatible to portable electronic devices
Fully equipped wet galley
Largest baggage compartment in class
Low cabin noise
Baggage compartment in-flight access

TECHNOLOGY HIGHLIGHTS:

Designed for high utilization and high availability
Auto-throttle
Synthetic vision system
iPad EFB
Low operating cost
Steep-approach operation

CREW+STANDARD PAX/MAX. PAX: 2+13/14



Lineage® 1000E

BY EMBRAER

PERFORMANCE:

Range (8 pax, NBAA reserves): 4,600 nm
High-speed cruise: M 0.82
MMO: M 0.82
Max. operating altitude: 41,000 ft
Takeoff field length (MTOW, SL, ISA): 6,076 ft

ENGINES:

General Electric - CF-34-10E7-B / 18,500 lbf

AVIONICS:

Honeywell Primus Epic

CABIN HIGHLIGHTS:

Five spacious cabin zones
Three lavatories and stand-up shower (optional)
Queen-size bed (optional)
Hundreds of ways to customize the configuration
Complete audio and entertainment systems
IFE system compatible to portable electronic devices
Fully equipped wet galley
Largest baggage compartment in class
Baggage compartment in-flight access

TECHNOLOGY HIGHLIGHTS:

Fly-by-wire technology
Designed for high utilization and high availability
Central maintenance computer
Intuitive interface with cursor control device
Steep-approach operation
Operation in restrictive airports

CREW+STANDARD PAX: 2+19



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CHALLENGE.
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OUTPERFORM.