

PHENOM[®] 300 MED
BY EMBRAER

THE WORLD'S BEST-SELLING LIGHT JET
BECOMES A UNIQUE MEDEVAC SOLUTION



REASONS WHY THE PHENOM 300MED STANDS OUT

Click on the image to go



**FINEST
DESIGN**
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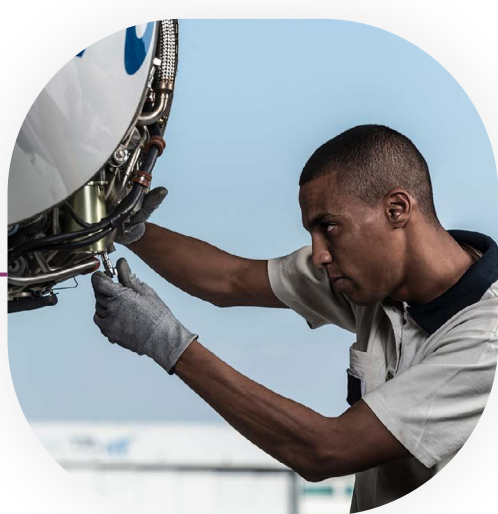
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A LEADER**
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The best-selling light jet for nine years in a row becomes the finest, most comprehensive Medevac solution. In partnership with umlaut and Aerolite, Embraer has designed and certified the Phenom 300MED, based on the Phenom 300 series aircraft and also available as a retrofit, for the ultimate Medevac experience in business aviation.

Designed as an ideal solution for both civil and government applications, the Medevac solution will be installed exclusively by Embraer's award-winning Services & Support organization, ensuring the highest quality, reliability, and service experience, direct from the manufacturer.

If you want a light jet that's equipped for Medevac operations, pick the one with purpose-built, hospital-grade interior. Pick the one with the most oxygen in flight for crew, passengers, and patients. Pick the one that's fastest and reaches furthest. Pick the one that has the best operating economics and historically superior residual value. Pick the Phenom 300MED.



INDUSTRY-LEADING
AIRCRAFT ➔





PHENOM 300MED HIGHLIGHTS

- ⚡ FASTEST AND LONGEST-RANGED SINGLE-PILOT JET IN PRODUCTION
- ⚡ BEST-IN-CLASS CABIN ALTITUDE, FOR A MORE OXYGEN-RICH ENVIRONMENT
- ⚡ HIGH PAYLOAD CAPABILITY
- ⚡ LOW MISSION COSTS
- ⚡ HIGHEST RESIDUAL VALUE IN THE INDUSTRY
- ⚡ NUMEROUS CONFIGURATIONS AVAILABLE TO MEET CUSTOMERS' NEEDS
- ⚡ QUICK RECONFIGURATION INTO PASSENGER OR MEDEVAC CABIN IN LESS THAN 6 HOURS
- ⚡ CUSTOMIZED SUPPORT PROGRAMS AND MAINTENANCE PLANS



A CRITICAL BALANCE OF SPEED, RANGE AND RUNWAY PERFORMANCE

In a medical emergency, every second matters. In the Phenom 300MED, operators can count on the industry-leading light jet to deliver patients to the care they need quickly, safely and efficiently.

2,010 nm

Range (3,723 km)
(LRC, 5 occupants, NBAA IFR reserves 100 nm alternate)

Mach 0.80

M_{MO} Maximum Operating Mach

2,636 lb

Maximum Payload (1,196 kg)

3,209 ft

Takeoff Distance (978 m)
(MTOW, Sea Level, ISA)

2,212 ft

Landing Distance (674 m)
(Unfactored, 4 passengers, NBAA IFR reserves, SL, ISA)

464 ktas

High Speed Cruise (859 km/h)

1,587 lb

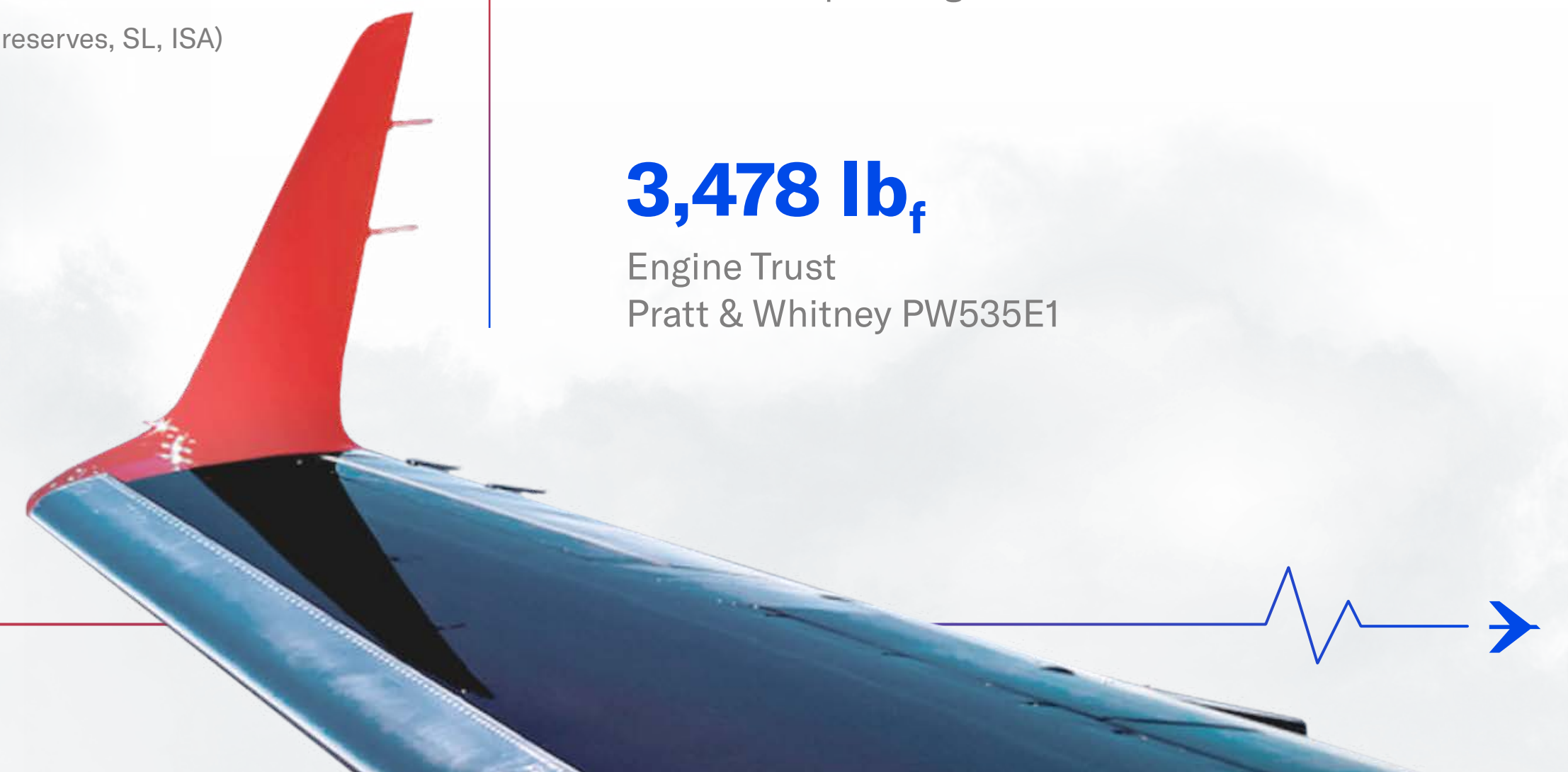
Payload Full Fuel (720 kg)

45,000 ft

Maximum operating Altitude (13,716 m)

3,478 lb_f

Engine Trust
Pratt & Whitney PW535E1



DELIVERING VITAL CARE WHEREVER IT'S NEEDED

The needs of patients aren't restricted to their geographic location. Open up a world of possibilities with the Phenom 300MED, capable of delivering patients to specialized care non-stop thanks to a best-in-class range of 2,010 nm.

Range: LRC, 6 occupants at 200 lb each,
NBAA IFR reserves with 100 nm alternate airport, SL, ISA



A TRUE CLEAN-SHEET DESIGN WITH OPTIMALLY DESIGNED SWEEP WINGS AND WINGLETTS



51 ft 4 in (15.68 m)

16 ft 9 in (5.11 m)*



52 ft 2 in (15.90 m)



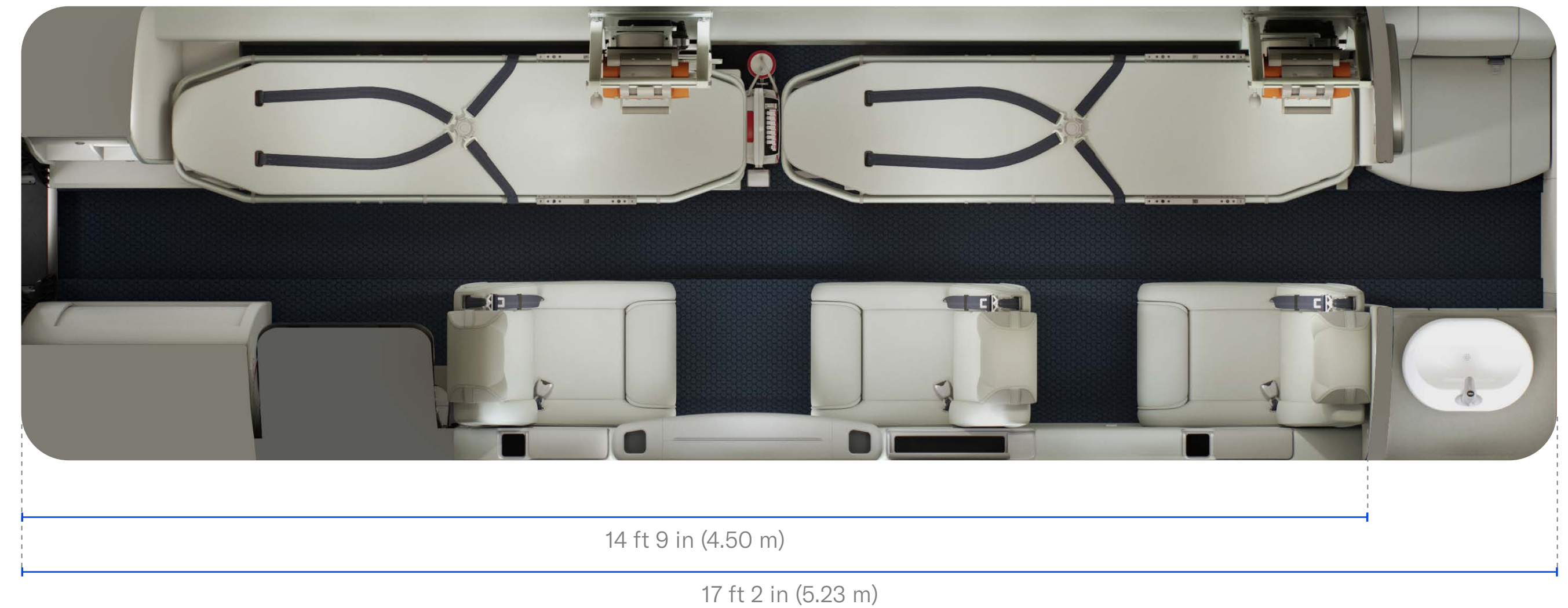
19 ft 7 in (5.97 m)

*Including landing gear



MUCH MORE SPACE TO DELIVER CARE


The exclusive Oval Lite™ design provides more head and legroom than a conventional cross section, and maximizes space for the inclusion of necessary medical equipment.





FLEXIBILITY TO OPERATE YOUR WAY IN THE CABIN

The aircraft features a spacious cross section, an ideal arrangement of sets and medical equipment, and a spacious baggage compartment that is specially heated to provide ideal transport for items sensitive to extreme low temperatures.



 **6 GARMENT BAGS**
21 IN X 23 IN X 8 IN (0.53 M X 0.58 M X 0.2 M)

 **6 CARRY-ON BAGS**
22 IN X 14 IN X 10 IN (0.56M X 0.36M X 0.25M)

 **6 LAPTOP BAGS**
16.5 IN X 13.5 IN X 4 IN(0.42 M X 0.34 M X 0.10 M)

THE LARGEST BAGGAGE COMPARTMENT
Perfect space for stretcher loader



MORE OXYGEN IN YOUR CABIN

THE BEST-IN-CLASS CABIN ALTITUDE

With its best-in-class cabin altitude of 6,600 ft, passengers and crew will fly with more oxygen in the cabin than any other aircraft in the light jet segment. More oxygen means an easier, more refreshing flight experience — which is essential for patient care and less stress during flight.



CONTROLLED
ENVIROMENT
FOR PATIENTS



CABIN ALTITUDE
6,600 ft

ASPEN ALTITUDE
7,820 ft

FLIGHT ALTITUDE
45,000 ft



A PERFECT UNION OF TECHNOLOGY AND ERGONOMICS.

The world's fastest and longest-ranged single-pilot aircraft, capable of reaching Mach 0.80, this ideal air ambulance solution not only boasts advanced capabilities, but also delivers the most sophisticated marriage of technology and ergonomics, critical to special missions.

Its state-of-the-art, touch-controlled flight deck is designed to anticipate every need, minimize workload and reduce pilot fatigue. The Synthetic Vision System sees what the eyes can't, while the runway overrun awareness and alerting system (ROAAS) provides support during difficult landings. Embraer is the first and only OEM in business aviation to develop and certify a technology like this.

Graphical flight planning, SurfaceWatch™, vertical navigation, windshear alerting and weather radar with vertical scan, ground clutter suppression and turbulence detection provide even more situational awareness. And the design of the aircraft's synoptic screens and Prodigy Touch avionics creates an instinctive interface between pilot and aircraft.



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AIRLINER-LIKE RELIABILITY

Technological innovations and state-of-the-art sensors give the Phenom 300MED high reliability, less maintenance, and lower costs.



HOSPITAL GRADE INTERIOR ➔



THE AWARD-WINNING
CABIN NOW ENHANCED TO A
STATE-OF-THE-ART,
HOSPITAL GRADE INTERIOR



BRINGING COMFORT AND SPACE FOR MEDICAL USE

A cabin interior designed for optimal utilization enables operators to save time with the capability to bring anyone and everything safely on board.

The flexible cabin configuration offers an ideal arrangement of seats and medical equipment—including one or two modules, stretchers, and an incubator—and allows for continued versatility even when not in use for medical transport.

The interior carries a minimalistic aesthetic with a modern color scheme and long-lasting design made in Switzerland, at an investment significantly lower than that of competitors.

Also available as a retrofit, the Phenom 300MED keeps financial investments low as the Phenom 300 series retains the highest residual value in the industry.



HOSPITAL GRADE INTERIOR

With medical missions in mind, the Phenom 300MED delivers a hospital grade interior designed to withstand heavy-duty use.

All surfaces, cabinets and equipment were specially constructed using lightweight materials and robust surface coatings with a high tolerance for the use of professional cleaning products.

This consideration lends to easier and more effective cleaning between flights, as well as increases the longevity of the interior through years of critical life-saving missions.



[^ BACK TO MENU](#)

HIGH FLEXIBILITY OF CONFIGURATION

The Phenom 300MED allows operators to easily reconfigure the cabin according to the demands of their specific missions. With four different options of medical layout, the cabin can also be reconfigured into a seats-only cabin in as little as six hours. Below, observe the configurations available, which can include either one or two stretchers, an incubator and additional medical equipment.

1 INCUBATOR + 1 STRETCHER + 3 SEATS + 1 BELTED LAVATORY



1 STRETCHER + 4 SEATS + 1 BELTED LAVATORY



1 INCUBATOR + 4 SEATS + 1 BELTED LAVATORY



2 STRETCHER + 3 SEATS + 1 BELTED LAVATORY



Configurations including an incubator utilize the stretcher as a base on which the incubator is fixed to.





RECONVERSION FROM MED TO BUSINESS



The Phenom 300MED can be reconfigured from Medevac back into passenger cabin in less than six hours and vice versa.

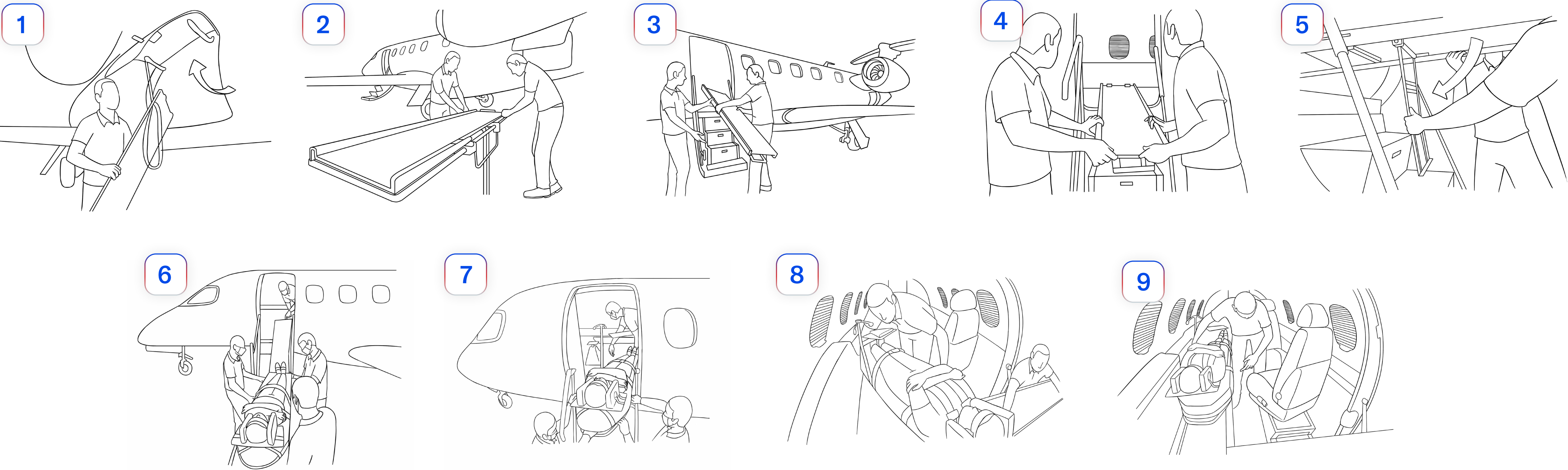
- ⚡ CUSTOMIZED CONFIGURATION - MEDICAL OR BUSINESS
- ⚡ QUICK RECONFIGURATION
- ⚡ STRETCHERS OR INCUBATOR REPLACED BY THE SEATS
- ⚡ BUSINESS CONFIGURATION
1 OR 2 PILOTS + 7 OR 8 PASSENGERS

EASY BOARDING AND DEBOARDING OF PATIENTS

All operational aspects of the Phenom 300MED are designed to optimize medical transportation. With the largest entrance door in the light jet segment, it's easy to board and deboard patients and equipment quickly with the use of accessories that come standard on the aircraft.



THE WALKTHROUGH BELOW DEMONSTRATES THE EASE OF OPERATION.



COMFORT AND CONVENIENCE AT ITS FINEST

The Phenom 300MED offers a complete lavatory with a rigid door, full sink, and natural light provided by two windows. Combined with its external servicing, the lavatory offers the convenience and comfortability typical to much larger aircraft.



BELTED LAVATORY SEAT

Belted toilet for additional seat and external service lavatory for cabin's healthier environment.



ENCLOSED LAVATORY WITH RIGID DOOR

Enclosed lavatory with rigid door for more privacy.



EXTERNALLY SERVICED

Running water, not commonly found on board light jets.



2 WINDOWS

Natural light brings more comfort for patients and passengers.



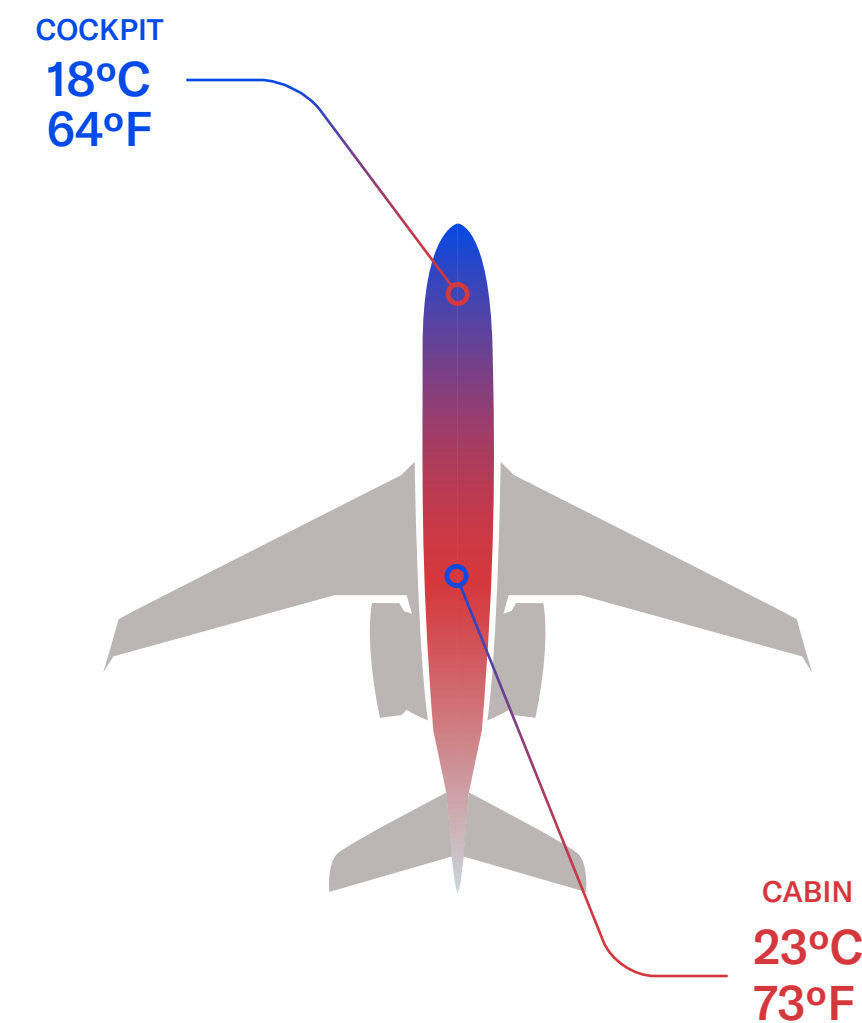
QUIET, COMFORTABLE AND CONNECTED

The Phenom 300MED provides additional comfort and reliability for patients, companions and operators with items such as dual temperature control, a quiet cabin environment, and vital connectivity throughout the trip.



REDUCED CABIN NOISE

Medical studies indicate that a quiet environment is a fundamental part of patient recovery.



DUAL ZONE CLIMATE CONTROL

Two distinct temperature zones (cockpit and cabin), allow enhanced pilot and passenger comfort.



VITAL CONNECTION

Doctors and staff can stay connected to the hospital to convey crucial passenger updates ahead of landing.



COMPREHENSIVE EQUIPMENT SET ➔





THE MOST COMPREHENSIVE MEDICAL EQUIPMENT

The Phenom 300MED offers the best medical equipment package on the market, developed by Aerolite and umlaut, leading companies in the development of aero-medical solutions. In addition to the standard solution offered, operators can also customize the aircraft with additional equipment, configured to their specific needs.



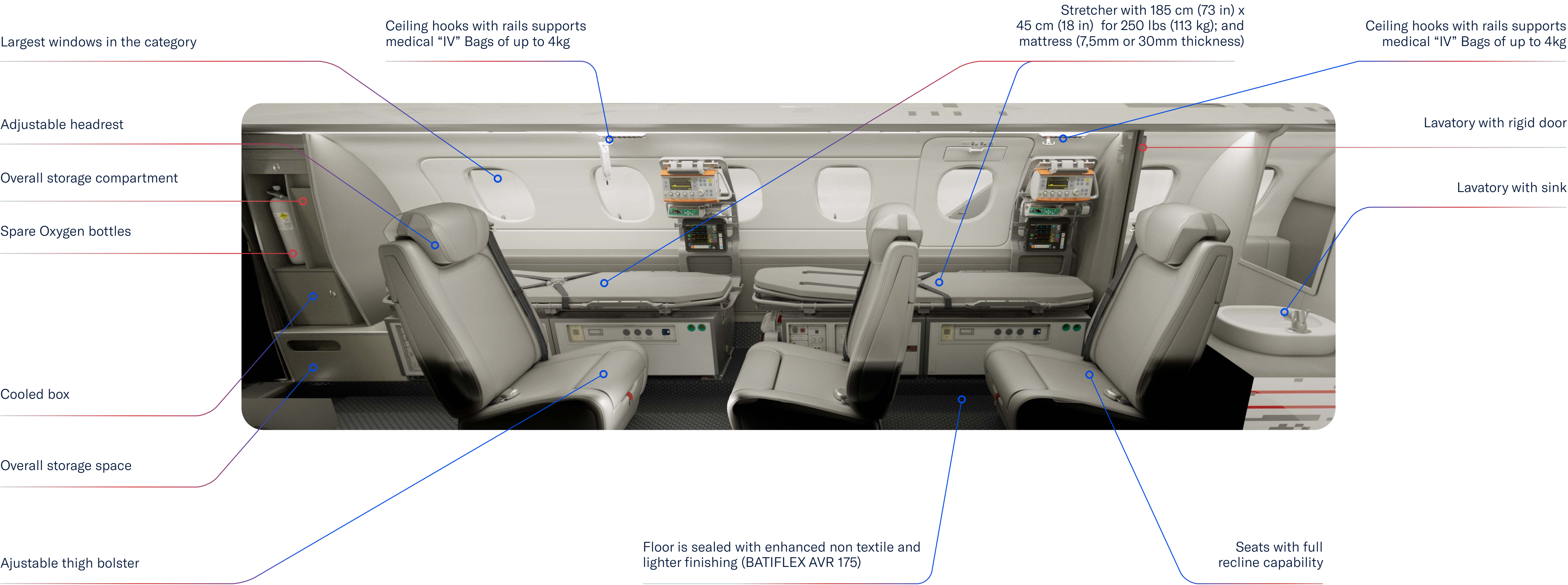
A SOPHISTICATED FLYING INTENSIVE CARE UNIT

All operational aspects of the Phenom 300MED are designed to optimize medical operation, including the boarding and deboarding of patients, which can be easily performed with accessories that come standard on the aircraft.



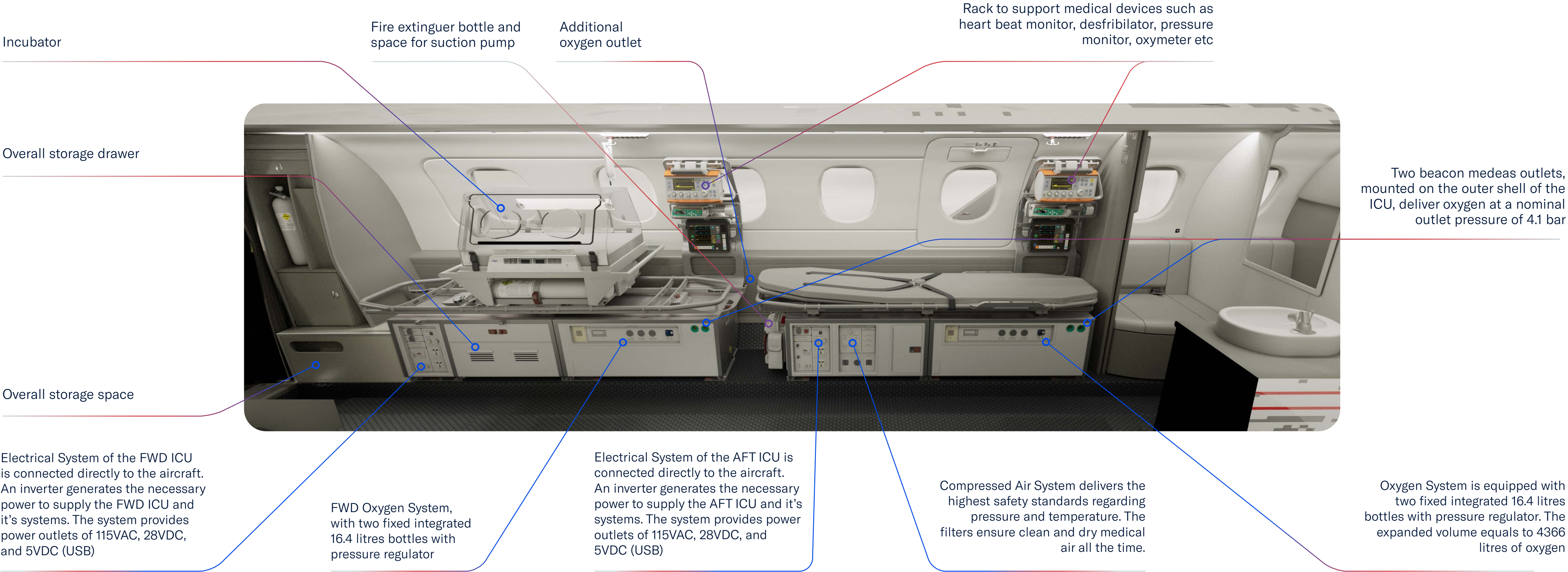
EVERYTHING AT HAND

Besides all the embarked technology, it's easy for medical professionals to use the latest equipment onboard the Phenom 300MED. This Medevac setup enables them to use their existing equipment, without investing in anything new. Once again, it's a direct transfer of the equipment from ambulance to airplane.



THE PHENOM 300MED SOLUTION

The standard Phenom 300MED brings two Intensive Care Units, which have the necessary parameters to care for two patients during a flight.



TAILORED SERVICES AND SUPPORT ➔



TAILORED SERVICES & SUPPORT

Medevac operators have unique needs that demand specialized support. Our top-ranked Services & Support organization has created a tailored service package complete with a dedicated cost per hour program and customized maintenance plan.

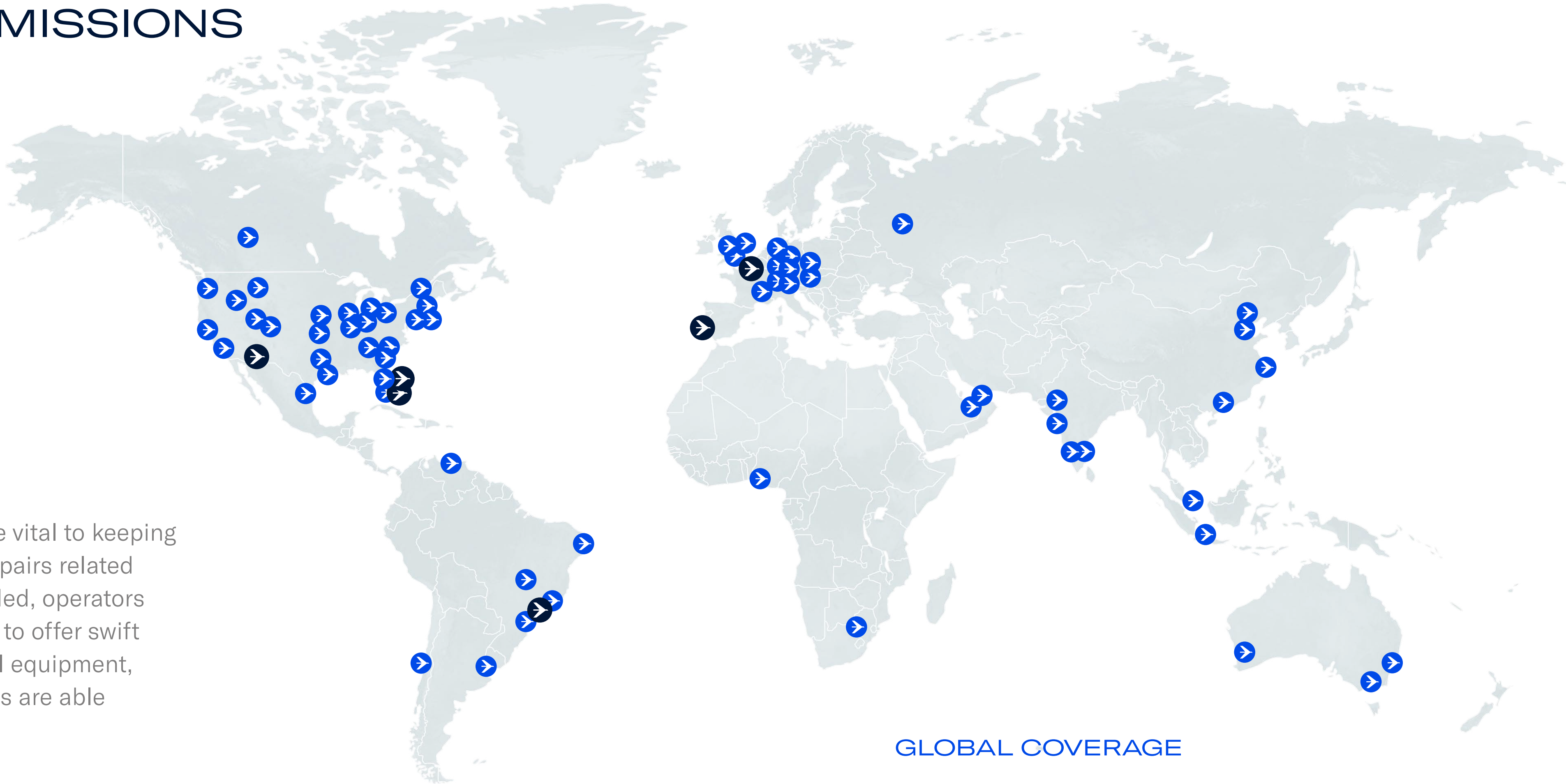
SERVICES AND SUPPORT NETWORK

- ⚡ **EMBRAER:** Peace of mind servicing thanks to Embraer's nationwide customer support network.
 - The same people that built the product will be working on the modification.
 - Service centers will be ready for the modification.
- ⚡ **UMLAUT:** Worldwide footprint of engineers that are close to the customer; 24/7 AOG service for interior parts.
- ⚡ **AEROLITE:** 24/7 AOG service for EMS equipment.





KEEPING YOU ON YOUR LIFE-SAVING MISSIONS

Reliable and efficient repairs are vital to keeping your missions on track. When repairs related to aircraft functionality are needed, operators can count on any service center to offer swift assistance. For onboard medical equipment, Embraer’s owned service centers are able to make necessary repairs.



GLOBAL COVERAGE

-  Owned Service Centers - Responsible for STC installation
-  Authorized Service Centers



MADE BY A
LEADER ➔



CHALLENGING THE STATUS QUO.

Embraer arose from the dream to transform Brazil into a country possessing the latest in technology.

Today, those dreams have expanded and led Embraer to become one of the largest commercial aircraft companies, delivering innovative solutions to meet the evolving needs of a global landscape of travelers. By stretching the limits of what is possible, and embracing opportunities from day one, we have done the unimaginable in the sectors of commercial and executive aviation, defense, and security.

What motivates us is a genuine passion for what we do. Maybe this spirit is why we resonate in the hearts of so many clients, collaborators, partners, and aviation enthusiasts.

We use design, imaginative engineering and technology as the principal tools to create new perspectives and arrive at solutions that bring excellence and performance to each of our clients and partners.



✈ **MORE THAN 8.000**

AIRPLANES DELIVERED

✈ **18.000**

EMPLOYEES

✈ **THE 3RD LARGEST**

COMMERCIAL JETS MANUFACTURER





A GLOBAL
LEADING
AEROSPACE
AND DEFENSE
COMPANY



COMMERCIAL AVIATION

For more than five decades, we’ve been building airplanes that revolutionize aviation. Today, our E-Jets are the world’s most preferred family of passenger aircraft that carry up to 150 passengers. There’s a size and range to fit every airline and every market.

E-JETS



E170
Seats: 70-78
Range: 3,982 km (2,150 nm)



E175
Seats: 78-88
Range: 4,074 km (2,200 nm)



E190
Seats: 98-114
Range: 4,537 km (2,450 nm)



E195
Seats: 108-124
Range: 4,260 km (2,300 nm)

E-JETS E2

E175-E2
Seats: 80-90
Range: 3,704 km (2,000 nm)



E190-E2
Seats: 97-114
Range: 5,280 km (2,850 nm)



E195-E2
Seats: 120-146
Range: 4,815 km (2,600 nm)



EXECUTIVE JETS

Embraer is creating tomorrow’s world of bespoke private air travel today, utilizing industry-leading innovation, design, and technology — all the while incorporating sustainable practices for the benefit of our exclusive customers. We deliver the ultimate experience in business aviation through aircraft that feature disruptive performance, comfort, and technology.

PHENOM

PHENOM 100EV
Occupants: up to 8
Range: 2,182 km (1,178 nm)



PHENOM 300E
Occupants: up to 11
Range: 3,723 km (2,010 nm)



PRAETOR

PRAETOR 500
Passengers: up to 9
Range: 6,186 km (3,340 nm)



PRAETOR 600
Passengers: up to 12
Range: 7,441 km (4,018 nm)



DEFENSE & SECURITY

From trainers and light attack aircraft to military transports, our defense and security aircraft help keep the world safe. Together with our satellites, sensors, radars, and aerial control systems, Embraer airplanes and technology are employed by governments around the world to defend borders, counter threats, and rescue those in need.

A-29 SUPER TUCANO



- Light attack aircraft
- Armed reconnaissance
- Tactical trainer aircraft
- Combat proven
- Extremely rugged platform
- Lowest operating & maintenance cost

C-390 MILLENNIUM



- Transportation
- Airdrop (high and low altitude)
- Aerial refueling (fighters and helicopters)
- Aerial firefighting
- Aeromedical evacuation
- Search and rescue
- Humanitarian aid

P600 AEW&C



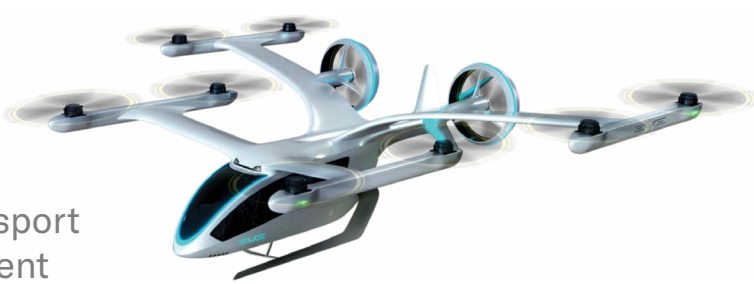
- Homeland security & law enforcement
- Early warning
- Air defense
- Air surveillance
- Maritime surveillance
- Command and control
- Electronic intelligence

INNOVATION

Our purpose is to create solutions to improve global mobility, reducing distances and bringing people together. In our more than 50 years, we have always reinvented ourselves in order to find new products and solutions, and that’s why annually we invest almost 10% of our revenue in Research & Development, and improvement of our industrial installations.

EVTOL

Embraer is developing an eVTOL, electric Vertical Take-off & Land, an urban air transport vehicle for five occupants, which will reinvent the way of getting around large urban centers, creating a safe, accessible, and green transport ecosystem.



- 100% electric
- Silent
- Innovative design
- Totally accessible
- Initially piloted, but ready for autonomous flight
- 5th generation fly-by-wire system

ELECTRIC DEMONSTRATOR

Our first electric aircraft, the Electric Demonstrator, took off in August 2021. As a result of years of research and development, it is a flying laboratory whose purpose is to accelerate our knowledge in electric aeronautical propulsion. Its learnings are already being used in the development of the eVTOL and other electrified aircraft.



- Electric propulsion
- A milestone in our ESG initiatives
- Zero CO2 emissions
- Open Innovation
- Stablishment of key partnerships

INTEGRATED PORTFOLIO



Solutions for command, control and intelligence. Specialized technical engineering and logistics support services.

TEMPEST

Develops, designs, certifies, industrializes, integrates and implements systems and services for border control and protection of strategic structures



Market leader of orbital remote sensors. Visiona developed the first satellite by a private company, and Brazil’s Orbit and Altitude Control System.



RIGHT FOR THE WORLD AHEAD. RIGHT NOW.



EMBRAER INSTITUTE FOR EDUCATION AND RESEARCH

Embraer seeks to positively transform local communities. The company develops future leaders through the Embraer Institute in Brazil, which offers quality education to low-income students, and the Embraer Foundation in the USA.



COMMITTED TO THE ENVIRONMENT

Embraer leads studies to develop cleaner aeronautical technologies to reduce fuel consumption, carbon emissions (CO₂), noise, and maintenance costs.



SUSTAINABLE MANAGEMENT

Embraer is listed on the Dow Jones Sustainability Index, a group of companies with sustainable management practices. Embraer has been a signatory to the United Nations Global Pact since 2008, and was the first aircraft manufacturer to achieve ISO 14001 certification.



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