

Challenger 3500

BOMBARDIER



Time is the ultimate luxury

A Bombardier private jet is more than an aircraft, it's a time machine designed to help you maximize the one commodity that's always in short supply—your time—so you can spend more of it doing what matters most.

Challenger 3500

Challenge the ordinary

Innovation is in our DNA. The Challenger 3500 aircraft pushes the boundaries of technology and redefines what's possible for your in-flight experience. Discover productivity-enhancing features, unparalleled cabin comfort and a smooth ride. It's the first super mid-size jet with an Environmental Product Declaration that provides transparency on the Challenger 3500 aircraft's environmental impact.



The ultimate cabin experience



Revolutionary seating



Performance that delivers



Highest reliability, lowest operating costs



Smooth ride



[Discover the Challenger 3500 aircraft.](#)







Sky-high comfort

Flying just got better, thanks to the unparalleled cabin experience of the Challenger 3500 aircraft. It features industry-first technology and connectivity solutions, the revolutionary Nuage seat and a striking interior that ensures your productivity and comfort, whether you're flying for business or pleasure.



A seat for life above the clouds

The Nuage seat, a masterpiece of innovation and craftsmanship, represents the first meaningful change in the operation and design of a business aircraft seat in over 30 years. The Nuage seat delivers class-defining comfort—including the industry’s first zero-gravity position—for life above the clouds.

Tilt link system for a zero-gravity position

The Nuage seat features a patented tilt link system for a zero-gravity position, which provides a neutral body posture to reduce pressure on the lower back while providing even-weight distribution for effortless comfort and improved circulation.

Unique swept-back design for more legroom

When in the upright position, the Nuage seat’s leg rest features a swept-back design allowing you to tuck your feet behind your knees for a more natural and comfortable seated position.

Floating base for fluid movement

Engineered to move as you do, the Nuage seat features a unique floating base with a trackless footprint and permanently centred swivel axis for simple and intuitive positioning.

Industry-exclusive tilting headrest

Designed with the intent for ergonomic perfection, the Nuage seat features an industry-exclusive tilting headrest for optimal neck support and alignment in any position.



A cabin that meets today's demands

Don't let outdated technology keep you from accomplishing your goals. The Challenger 3500 aircraft's features keep you in command of your cabin experience and provides the technology you need to help accomplish your missions.

- Easily charge your phone with our first-in-class wireless charger capabilities
- Stay connected with baseline worldwide cabin connectivity and available high-speed Ka-band⁽¹⁾ and 4G ATG⁽²⁾ (air-to-ground) internet
- Catch up on the latest news or enjoy your favourite entertainment on the only 24 in (61 cm) and only 4K display in its class
- Control cabin features and access real-time flight information with the industry's first-voice controlled cabin





The pursuit of cabin excellence

At Bombardier, we are detailed-obsessed, because even the smallest details can have the biggest impact on your comfort and well-being. From the moment you step on board the Challenger 3500 aircraft, you'll discover a cabin where spaciousness and style converge.

- Take your audio experience to new heights with our sidewall speaker panel system. You can even customize your sound output through an adjustable sweet spot
- Arrive at your destination rested, thanks to a low cabin altitude and the quietest cabin in its class with our advanced sound-insulated cabin design
- Comfortably immerse yourself in panoramic views with our ergonomically placed window design
- Choose from a host of sustainable interior fabrics to create your cabin masterpiece, while being eco-conscious



[Step inside the Challenger 3500 aircraft. Watch our interior cabin walkthrough.](#)





Performance that delivers

Push the boundaries of speed, range and efficiency with the Challenger 3500 aircraft. Reach new heights with its ability to climb quickly and directly to 43,000 ft (13,106 m) and fly at a top speed of M 0.83. Boasting an impressive range of 3,400 nautical miles, outstanding field performance and steep-approach capabilities, the Challenger 3500 jet has the agility to operate in and out of some of the most challenging airports around the world. The aircraft ensures a smooth ride with its clean-balanced aerodynamic wing design and impressive field performance with its powerful engine.

Reliability you can count on

Optimize your return on investment with the Challenger 3500 aircraft. It offers the lowest direct operating cost in its class, through affordable maintenance programs, low parts cost and longer maintenance intervals than the competition⁽³⁾. A business jet you can rely on, the Challenger 3500 aircraft is ready to take off in under 7 minutes. Get to where you need to be with a platform that is trusted by charter operators and top corporate flight departments worldwide.





Conquer the skies with confidence

The Challenger 3500 aircraft features the best-equipped cockpit in its class, with more baseline equipment than the competition⁽⁴⁾. Reduce crew workload with an autothrottle, comprehensive situational awareness tools and an intuitive interface to effectively and confidently navigate the skies.



Discover key features available in the pilot's seat:

- Autothrottle system
- Available Head-up Display (HUD) with Enhanced Vision System (EVS)
- Synthetic Vision System (SVS)
- Advanced avionics suite with four large displays
- MultiScan™ weather radar
- Dual Inertial Reference System (IRS)
- Dual SBAS/WAAS GPS



Real-time data anytime, anywhere

Stay connected to your aircraft while in flight with Smart Link Plus. Transmitting aircraft data in real-time, Smart Link Plus automatically sends takeoff, landing and crucial in-flight fault notifications to maintenance crews allowing them to make better and faster data-driven decisions. Accessible through the myMaintenance App, crews can prioritize and troubleshoot fault notifications while the aircraft is in flight in order to save crucial time and improve aircraft availability⁽⁵⁾

Provides actionable insights

Aircraft data is converted into actionable insights for maintenance crews, allowing them to make better and faster data-driven maintenance decisions in real-time.

Remote troubleshooting

Crews can prioritize and troubleshoot crucial fault notifications (cautions and warnings), proactively dispatch parts and technicians while the aircraft is in-flight in order to minimize downtime and increase dispatch reliability.

Intuitive and user-friendly

Aircraft data is displayed in an intuitive, user-friendly data visualization tool on Bombardier's myMaintenance App and is available anytime, anywhere on any personal electronic device.

24/7 Customer Support

Bombardier's 24/7 Customer Response Centre (CRC) and dedicated team of experts and specialists can further support troubleshooting efforts through remote access to your aircraft data.



[The future of aircraft maintenance monitoring is here. Learn more.](#)

Certain design elements, images and views of the product shown are subject to change and may not be an exact representation of the final product.

Challenger 3500

The ultimate cabin experience

Design and technology converge to heighten passenger productivity and comfort. It features industry-first cabin technology, revolutionary seating and a striking interior.

Revolutionary seating

Redefining comfort with its unique zero-gravity position, the patented Nuage seat is the first new seat architecture in business aviation in over 30 years.

Highest reliability, lowest operating costs

The total package, the Challenger 3500 jet is ready to fly in under 7 minutes and has the lowest direct operating costs in its class. It offers peace of mind at an unbeatable value.

Performance that delivers

The latest addition to the iconic Challenger platform—the aircraft of choice among top corporate flight departments and charter operators worldwide—the Challenger 3500 jet provides the ultimate combination of range, speed, field performance and reliability.

Smooth ride

An advanced wing design, refined aerodynamics and a pilot-centric avionics suite delivers an exceptionally smooth ride from takeoff to touchdown.

Environmental Transparency

The Challenger 3500 aircraft is the first super mid-size jet with an Environmental Product Declaration. It communicates, quantifies and provides transparency on the environmental impact of the product throughout its lifecycle.



Technical specifications

GENERAL

CAPACITY			AVIONICS		
Passengers: Up to 10			<ul style="list-style-type: none">• Autothrottle system• Available Head-up Display (HUD) with Enhanced Vision System (EVS)• Advanced avionics suite with four large displays• Dual Flight Management System with LPV and RNP approach capabilities• Synthetic Vision System (SVS)• MultiScan™ weather radar• Dual Inertial Reference System (IRS)• Dual SBAS/WAAS GPS		
ENGINES					
Honeywell HTF7350 turbofans					
Thrust: 7,323 lbf (33 kN)					
Flat rated to ISA + 15°C					
CABIN TECHNOLOGY					
<ul style="list-style-type: none">• Industry's first voice-controlled cabin• Largest 4K display in its class• Wireless phone chargers• Baseline cabin connectivity• Ka-band and 4G ATG internet available					

PERFORMANCE

RANGE			AIRFIELD PERFORMANCE		
Maximum range*	3,400 nm	6,297 km	Takeoff distance (SL, ISA, MTOW)	4,835 ft	1,474 m
SPEED			Landing distance (SL, ISA, typical)	2,364 ft	721 m
Top speed		MACH 0.83	OPERATING ALTITUDE		
High speed cruise		0.82	Maximum operating altitude	45,000 ft	13,716 m
Typical cruise speed		0.80	Initial cruise altitude (MTOW)	43,000 ft	13,106 m

DIMENSIONS

INTERIOR			EXTERIOR		
Cabin height	6 ft 0 in	1.83 m	Length	68 ft 8 in	20.9 m
Cabin width	7 ft 2 in	2.19 m	Wingspan	69 ft 0 in	21.0 m
Cabin length**	25 ft 2 in	7.68 m	Height	20 ft 0 in	6.1 m

*Theoretical range with NBAA IFR Reserves, ISA, M 0.77, 4 pax/2 crew. Actual range will be affected by speed, weather, selected options and other factors.

**From cockpit divider to aft most cabin without baggage compartment.



New York

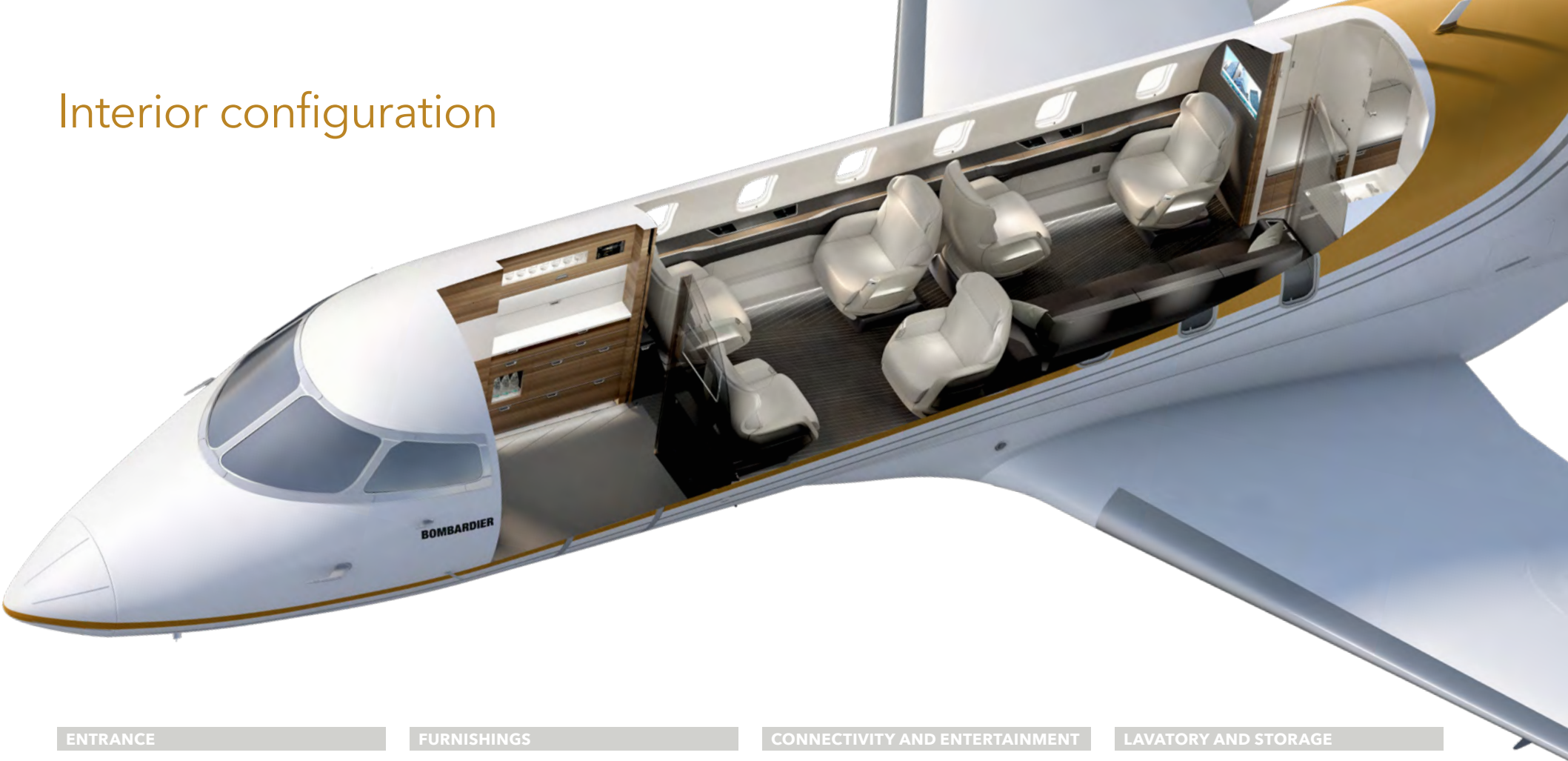


Sao Paulo



London

Interior configuration



ENTRANCE	FURNISHINGS	CONNECTIVITY AND ENTERTAINMENT	LAVATORY AND STORAGE
<ul style="list-style-type: none">• Spacious galley with an available two-tiered ice drawer, transparent crystal storage and wine chiller compartment• Support for your preferred off-the-shelf coffee/espresso machine• Microwave or available high-temperature oven• Wardrobe for passengers and crew members' personal items• Sound-insulating entry door and cockpit closeout curtains• Sound-insulating sliding door separating entrance from the main cabin	<ul style="list-style-type: none">• Patented Nuage seats with zero-gravity comfort• Flexible seating arrangements for up to 10 passengers• Executive seating in club configuration• 3-place divan with berthing capability available• Concealable side-tables• Quick access seat storage compartments	<ul style="list-style-type: none">• Industry's first voice-controlled cabin• Largest 24 in (61 cm) and only 4K display in its class• Immersive sound experience with adjustable sweet spot audio feature• First-in-class wireless chargers• Industry-first haptic touch cabin control switches• Baseline cabin connectivity• Ka-band and 4G ATG internet available	<ul style="list-style-type: none">• Elegantly designed with easy-to-clean surfaces• Large backlit mirror and vanity, sink and faucet• Unrestricted and safe access to a 106 ft³ (3 m³) baggage compartment

Customer Experience

World-class aircraft deserve world-class support. Fly confidently knowing that no matter where your travels take you, Bombardier's services and support network have you covered⁽⁶⁾



Wider mobile response coverage than its leading competitor

With access to a network of aircraft, Bombardier's Mobile Response Team can reach its installed base worldwide, day or night. With more than twice as many mobile response vehicles than our leading competitor, customers can rest assured that support is always within reach.



More service facilities than its leading competitor

With 33% more service facilities worldwide than its leading competitor, Bombardier's service centres, authorized service facility network and line maintenance stations are strategically located around the world to better serve its customers' needs.



More field support representatives than its leading competitor

With more technical, operational and customer care experts in the field, customers can be confident that they will receive the support they need toward operational readiness and efficiencies, in addition to technical aircraft assistance when required.



Worldwide parts distribution coverage

The parts you need, when and where you need them. With over \$1 billion in parts inventory and a global network of 16 parts distribution sites that move nearly 70,000 aircraft parts monthly, Bombardier ensures your complete peace of mind.



Leading maintenance intervals

Bombardier's aircraft maintenance cycle features longer intervals between inspections. Longer intervals reduce the number of maintenance inspections required and may ultimately result in lower operating costs and reduced aircraft downtime.



[Discover Bombardier's world-class support offerings.](#)



Customer Response Centre

24 hours a day | 7 days a week | 365 days a year

Bombardier's Customer Response Centre offers ultimate convenience with only one number to call for an AOG event in your part of the world. From aircraft systems and avionics support to structural repair, each call to the Bombardier Customer Response Centre connects you to experts who will create a tailored plan to get you flying again quickly and efficiently.

Smart Services

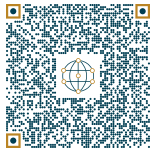
Cost protection programs tailored to you

The Bombardier Smart Services cost-per-flight-hour programs provide customers with peace of mind through budget predictability for aircraft parts and maintenance costs. These programs offer the flexibility to tailor the cost-per-flight-hour coverage to better suit operational needs. With simple monthly billing, customers can focus on what matters the most—keeping their aircraft flying.

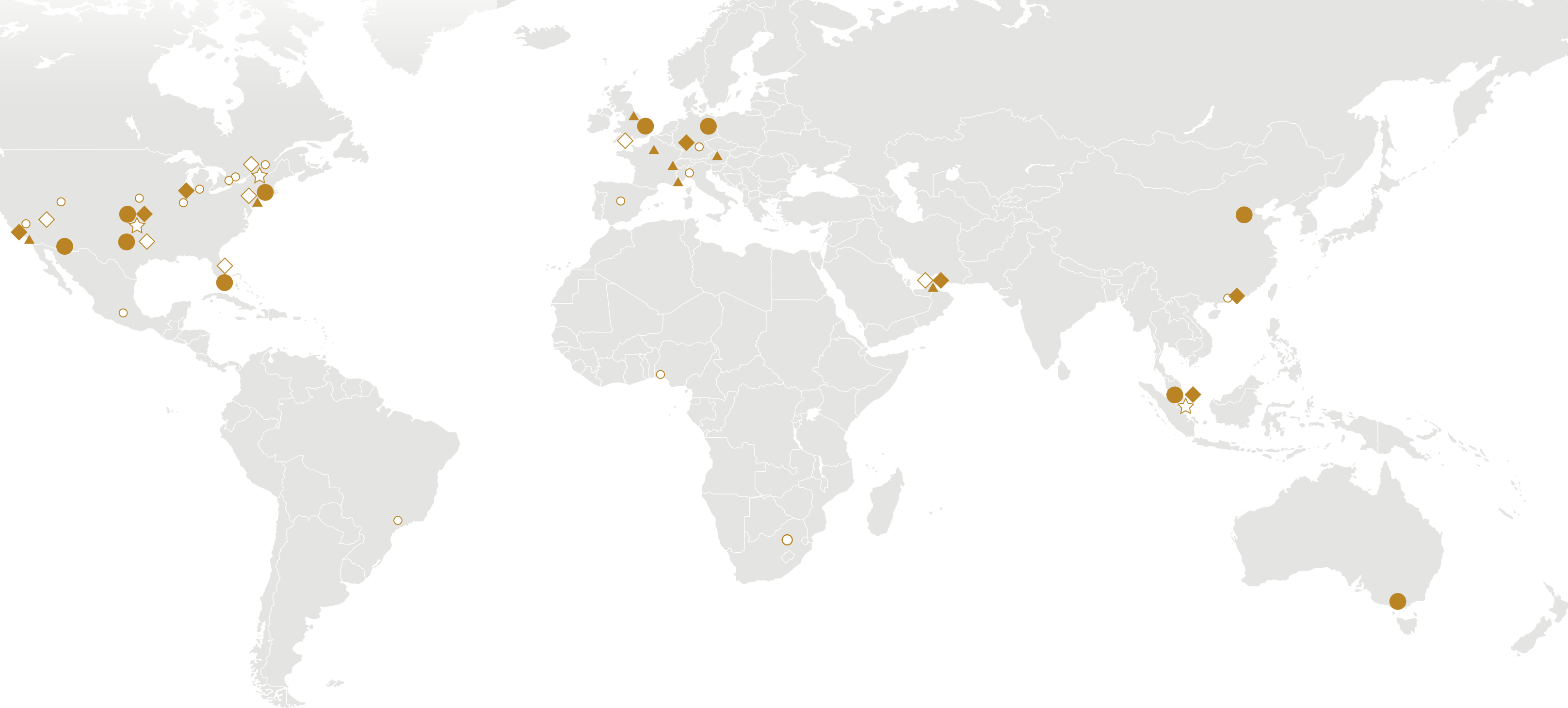


Bombardier's growing worldwide presence

- SERVICE CENTRES
- ☆ CUSTOMER RESPONSE CENTRES
- ▲ LINE MAINTENANCE STATIONS
- ◆ PARTS AND COMPONENT REPAIR & OVERHAUL FACILITIES
- ◇ AUTHORIZED TRAINING PROVIDERS
- AUTHORIZED SERVICE FACILITY LOCATIONS



[Browse our worldwide support network.](#)





Contact your Sales Representative today.

(1) Coverage is currently limited to parts of North America, North Atlantic and Europe. Subject to certain operating conditions. (2) Coverage is limited to continental US, Alaska and parts of Canada. Subject to certain operating conditions. (3) Based on current Challenger 3500 aircraft data. (4) Based on option cost comparison from most recent available information. (5) Annual subscription fees apply. (6) All claims made are based on the mobile response coverage and the number of service facilities compared to our leading competitor at June 2021 and on the number of field support representatives compared to our leading competitor at April 2019.

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