

BOMBARDIER GLOBAL



THE MARKET

“Build me the perfect business jet.” With these seemingly simple words, Laurent Beaudoin, CEO of *Bombardier Inc.*, launched a revolution in business aviation. The result of his vision would be the development of the Bombardier *Global Express*, an ultra long-range jet believed to be so extraordinary that it would create a performance class all its own. The only one of its type to be designed from first principles, this ultimate in business jets would incorporate advanced technologies with an elegance and synergy never before seen, capable of carrying eight passengers and four crew farther and faster than any corporate jet in existence, and in unmatched comfort and luxury.

Success after success of this breakthrough aircraft led to the creation of the Bombardier *Global* aircraft of today. The *Global 5000* business jet was launched in 2002 to compete in the super-large business jet segment. As with all Bombardier aircraft, it was designed to be the standard against which all other aircraft in its class are measured. Its speed/range combination is envied in the business aviation world and its short-field performance is so outstanding that it can bring its passengers closer to their final destination than any jet in its category.

ACHIEVEMENTS

Global aircraft were intended from the beginning to appeal to the world’s most sophisticated travelers by

offering more of virtually everything: more reach, more power, more space, more luxury, more security. The *Global Express* was designed to reign supreme in the skies. At a time when the longest nonstop range of a business jet was some 4,200 nautical miles (nm), Bombardier’s new aircraft would end up making a quantum leap in range, at speeds superior to all competition. The Bombardier *Global* program boasts an extraordinary list of unique aviation achievements, and its various aircraft currently hold a host of world records.

For example, from May 1 to May 15, 1999, a single *Global Express* production aircraft set a new world record virtually every second day. During that period, this aircraft made one U.S. transcontinental and six ocean crossings, including two Atlantic and four Pacific crossings — a small expression of its performance capabilities.

The *Global Express XRS* business jet, the latest version of the original *Global Express*, broke records at will, adding to the “world class” aura surrounding the *Global* program. And in July 2005, a *Global 5000* flew from Chicago to Paris nonstop in just 7 hours and 15 minutes, firmly establishing itself as the world’s fastest commercial intercontinental jet.

But building the perfect business jet meant more than power and performance. The government and business leaders of the world using the aircraft would need the ultimate in space and comfort as well. The aircraft would have the

largest cabin in a true business jet: over 48 feet long, 8 feet wide, and 6 feet in height. The space would be divided into three sections offering a variety of different configurations: a lounge area, an office with a complete workstation and conference room with a convertible dining table, and a stateroom with a full-size fold-out bed. Technological advances in performance would only enhance the total cabin experience.

HISTORY

The 1991 National Business Aircraft show in Houston, Texas, was the site chosen to announce this momentous project. Designers declared there would be no continuity with any other aircraft: the *Global Express* would be designed from a completely clean sheet to be superior to the competition on several levels. Performance parameters rapidly changed as the project began to take shape: the original, very ambitious range and high-speed cruise targets were adjusted upward — significantly. Engineers predicted a research, development and testing time of six years before launch would be possible, at a cost of \$1 billion.

Prototypes were built and tested, and ambitious performance targets began to be met. In June 1997, the *Global Express* made its international debut, flying from Wichita, Kansas, to Le Bourget in France, a distance of 4,185 nm, in only 8 hours and 28 minutes. This broke the previous business jet record (held by the Bombardier



Challenger 604) by 1 hour and 16 minutes. Type certification followed soon after.

The final step in development occurred on July 8, 1999, when the first Global Express for commercial use was delivered to executives from AirFlite of Long Beach, California.

THE PRODUCT

The majestic and sophisticated Bombardier Global business jet family offers the absolute summit in performance and comfort, designed without compromise to give government and business leaders supreme command in the air and a comfortable place to convene at the highest levels. This aircraft was so ambitious in its original targets and so daring in its design that an entirely new development structure had to be developed to handle the project.

Although consummate performance was the first criteria for the aircraft, elegance is another Global hallmark. It shows in everything from the evolution of wing design and improved short-field performance (thus rendering accessible many destinations previously denied to aircraft of this size and capacity) to the superb styling of this high-flyer.



on the ground. When it comes time to relax and unwind, Global aircraft provide a wealth of entertainment options for the ultimate cabin experience to match the ultimate in performance.

RECENT DEVELOPMENTS

The most recent addition to the Global family is the Global Express XRS, launched in 2003. The new point of reference for ultra-long-range business jets, it is the largest of any true business jet, and can easily carry eight passengers and three crew 6,150 nm at Mach 0.85 — a one-two combination that gives it a technical knockout over the competition. Decoupled engines placed behind the rear pressure bulkhead reduce vibration and dramatically lower cabin noise, making it easier to both work and relax.



PROMOTION

Word began to spread about Global aircraft from the moment the program was announced. In aviation circles, astonishment and awe greeted the aircraft, meeting and then surpassing its extraordinarily ambitious objectives. Then came the best publicity of all, word-of-mouth accounts of the Global flying experience, circulating among the elite group of passengers privileged enough to fly in one. This last group



illustrates the exclusivity that surrounds the Bombardier Global brand.

BRAND VALUES

Global aircraft were intended from the beginning to be supreme in their class on every pertinent measure. Range/speed combination. Short field performance. “Hot and high” performance. Exterior and interior style. Cockpit avionics. Cabin space. Amenities to enhance productivity and relaxation. The aircraft are beautiful to behold, a wonder to fly and the ultimate cabin experience

The perfect business jet means an equal attention to passenger comfort, ease and amenities. Global aircraft have always boasted the largest cabins in their class, and quiet acoustics that are simply astounding. There are three separately controlled temperature zones, and the lowest cabin altitude in the industry. Seats are constructed from space-age material to conform to the body’s contours. As well, Global aircraft were designed with one of the world’s most advanced Cabin Electronic Systems, giving prominent public figures the same high-caliber working capabilities that they enjoy

for those passengers lucky enough to travel in them. Their superiority was clearly proven from the very first test flights and continues to be clearly demonstrated to this very day. If there were such a thing as a perfect business jet, its home would be in the Bombardier Global family.

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THINGS YOU DIDN'T KNOW ABOUT BOMBARDIER GLOBAL AIRCRAFT

- With the demise of the Concorde, the Global 5000 and Global Express XRS are two of the fastest means of intercontinental travel available in the entire commercial aviation world.
- Bombardier is not only one of the world’s leading manufacturer of business jets, it is also a world leader in railroad rolling stock manufacture.
- The next great step for Global aircraft — and for business aviation in general — will be to bring the ultimate cabin experience forward into the cockpit, so that the crew has everything necessary to perform at its peak.