

Falcon 7X



THE INNOVATOR. LONG-RANGE TRAVEL REDEFINED.

Since its service introduction in 2007, the Falcon 7X has set the standard for comfortable, ultra-efficient and productive long-range travel. It is unsurpassed at distances up to 5,950 nautical miles (11,020 km).

As the first digitally designed, digitally controlled, fly-by-wire business jet, the 7X represents a technological leap that keeps Dassault—and you—ahead of the competition.

For passengers, military-derived digital flight controls provide a noticeably smoother ride. For pilots, digital flight controls bestow great confidence in all phases of flight, especially when operating out of short runways or otherwise demanding airport environments. The 7X's digital flight controls increase pilot precision while decreasing pilot workload.

The 7X pioneered a more highly swept, high-speed Falcon wing, helping to make it the most efficient long-range jet at cruise. The wing adapts for incredibly slow and stable approach speeds, allowing comfortable landings on runways of significantly less than 4,000 feet. That is simply stunning capability for an intercontinental jet.

The 7X operates for less, saving you millions, and features the best long-term resale value.

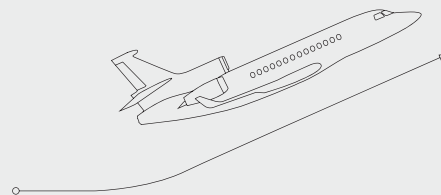
It is the fastest selling, most successful Falcon to date: an aeronautical masterpiece—its wonders revealed herein.





7X PERFORMANCE

DEFINING PERFORMANCE ACCORDING TO THE ROUTES AND AIRPORTS MOST IMPORTANT TO YOU.



Among long-range jets (4,000-6,000 nm), the Falcon 7X is most likely to get you where you want to go nonstop. Maximum range of 5,950 nm (11,020 km) takes you from Los Angeles to most of Europe and all of Latin America, from Paris to Tokyo or Hong Kong and from Dubai to Europe, Asia or Africa.

The 7X stands alone in range from challenging airports. From London City's 3,940-foot runway, the 7X will take you to New York or Dubai nonstop. Come to think of it, the 7X is one of the very few business jets that

can operate from London City and almost all are Falcons.

From Eagle, Colorado at an elevation of over 6,500 feet (1,980 m), the 7X will fly you nonstop to London. From St. Moritz, you will be able to reach Mumbai or even the East Coast of the United States. These routes demonstrate that the best benchmark of capability is maximum range from the airports you want to use.

Sometimes business requires multiple stops. Because the 7X can land at 89%

of its maximum takeoff weight, it can carry more fuel on a short hop, pick up passengers and then fly unrefueled more than 4,300 nm (7,964 km), up to 20% farther than competitors under the same conditions.

With a safe and slow Vref approach-landing speed of 104 knots (193 kph), the 7X is alone in its class in being able to operate from short fields. That's why it's often the biggest plane at small airports. In the U.S. alone, the 7X can use 500 more general aviation airports

than its nearest competitors. Think of the flexibility that gives you in your travels.

And wherever you are going, you can get there quickly. The 7X has a top speed of Mach .90. When .80 Mach maximum-range cruise is not required, you can speed to your destination at Mach .85 to Mach .88. Because it is built fighter-tough, the 7X, as with all other Falcons, has no turbulence penetration limiting speed.



New York City - London City
Speed record, May 2014
Average speed Mach .88







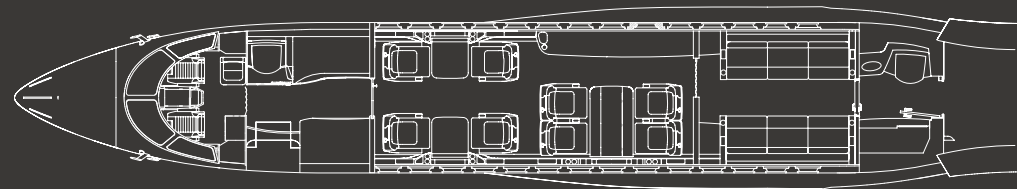
7X PERFORMANCE

FLY SHORT. FLY LONG. FLY BOTH EFFICIENTLY.



7X CABIN

A NONSTOP 12-HOUR-PLUS CABIN FOR A NONSTOP 24-HOUR WORLD.



Perhaps the best thing about flying aboard a Falcon 7X is the way you feel when you walk off—ready for a full day, if that's what awaits you.

Fly 12 hours or more in the comforts of the Falcon 7X cabin.

Cabin environment is about much more than soft leathers and burnished woods. Of course, the 7X gives you all that, in an award-winning and restful interior conceived by the best designers

in the industry. Here are some other important factors in the comfort and capability equation.

Cabin pressurization is a low 4,800 feet (1,463 m) at a typical cruising altitude of 45,000 feet (13,716 m). With a lower cabin altitude, your body is much more comfortable and less fatigued after a long flight. A cabin humidifier and air filtration system keep air fresh and healthful.

Sound levels never exceed a remarkably low 52dB, lower than the sound level of normal conversation.

Cabin temperature stays within one degree throughout the cabin, eliminating cold or hot spots.

By day, you enjoy a bright cabin illuminated by 28 large windows. Blackout shades in any of the aircraft's three cabin sections make it easier

to sleep, as do seats and divans that convert to beds. A team of six can get a good night's rest in individually converted beds.

Hungry? The 7X galley can dish out breakfast, lunch and dinner, all on a single long-range flight. It stores your favorite wines and can be equipped to make a nice cappuccino.



Connect or disconnect. Stay in touch with the office using broadband comms. Or, experience the serenity and time for reflection a 7X cabin so perfectly delivers.









The 7X offers many ways to stretch out and rest. Take a nap on a divan, or convert the aft cabin to your own private stateroom.





A big plane calls for a big baggage compartment, accessible in flight, and also on the ground, thanks to baggage door stairs for quick and easy loading and unloading.



DESIGN YOUR OWN CABIN, WITH EXPERT ASSISTANCE FROM DASSAULT.

Creating an interior that reflects your taste is now a streamlined and easy process thanks to our proprietary CATIA software and world-class design professionals. A process that once took days is now a matter of a few pleasant hours. New interactive design centers in Teterboro, New Jersey and Le Bourget, just outside Paris, make it easier than ever to envision your new interior, to examine features in actual airplanes and mockups and make the best choices for you.

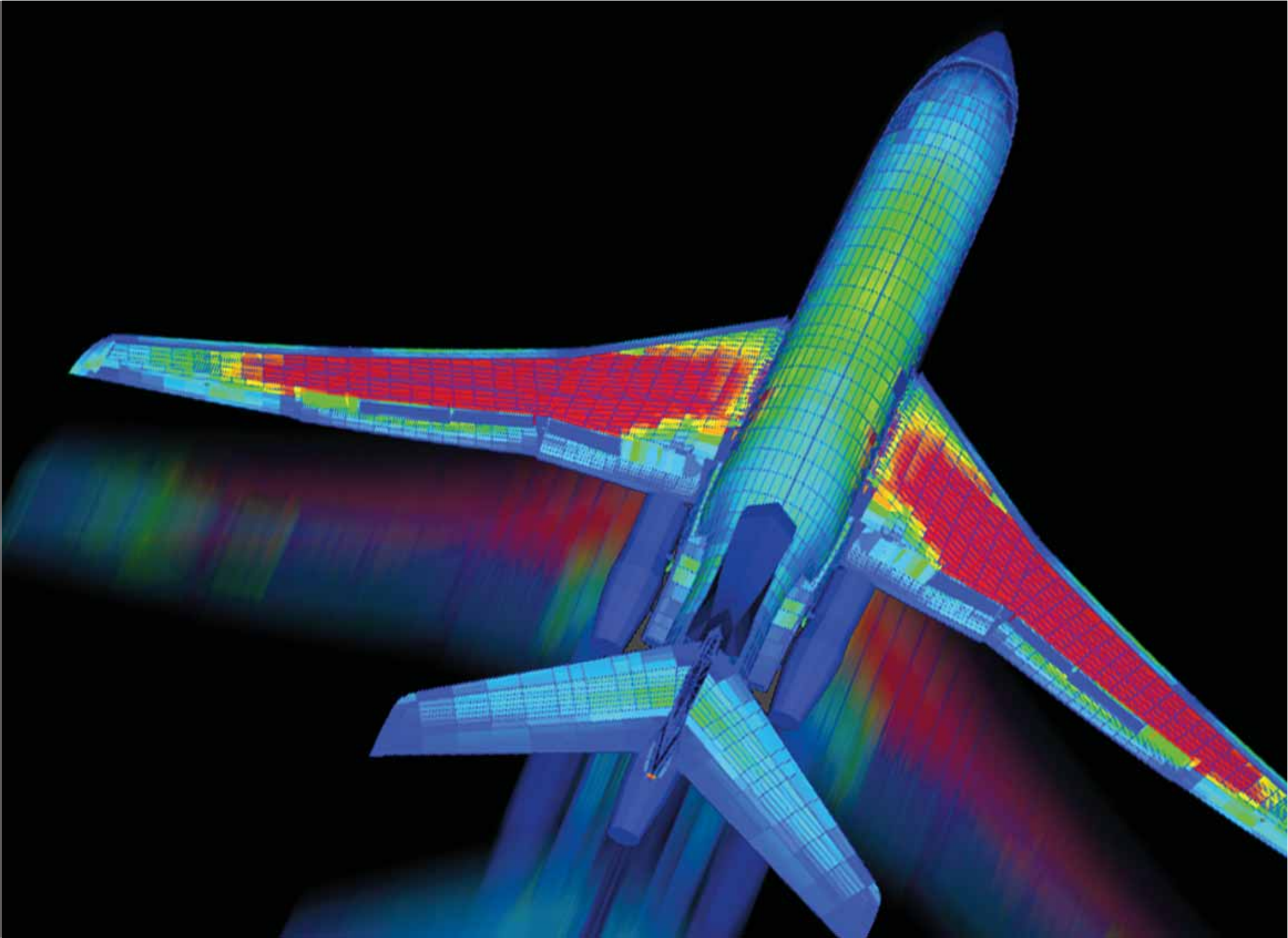
You select the layout, colors and styles, creating the perfect venue for work or entertainment. Not to mention dining and sleeping comfortably. Our designers, cabinetmakers and technicians bring it to life—with a perfection that blends old world craftsmanship with state-of-the-art digital design technology.

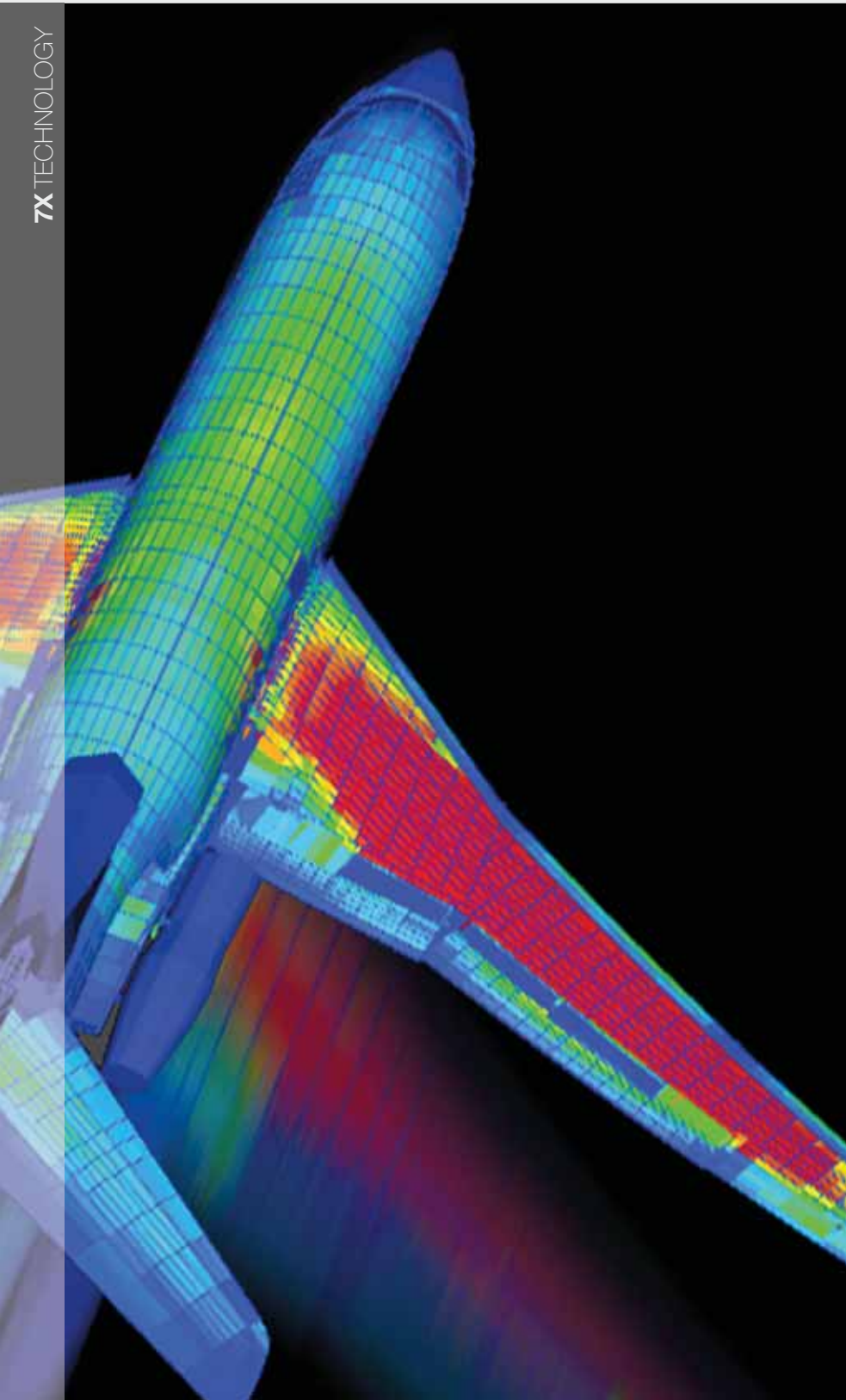




The 7X offers the latest generation of the FalconCabin HD+ cabin management system, including its Skybox™ media server with a vast iTunes® video and music capacity. Work, relax, manage cabin features, track flight progress and communicate—all with your own portable device from anywhere in the cabin.

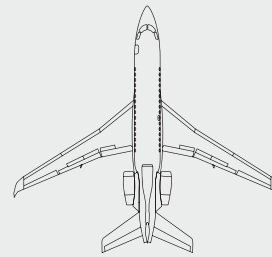






7X TECHNOLOGY

THE RIGHT DESIGN TOOLS IN EXPERIENCED HANDS.



Dassault not only uses the right design tools, it invented them. It has long been a leader in computer-aided design and manufacturing, having launched its CATIA software in 1977.

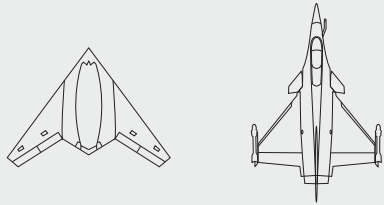
Today, the latest version of CATIA, from sister company Dassault Systèmes, is the world standard. It is used not only by Dassault Aviation, but by almost all aircraft companies—not to mention car manufacturers, shipbuilders—almost anybody producing engineered products.

The Falcon 7X is the first business aircraft created digitally – end to

end – in every detail: the design of the aircraft and its parts, the machines that make the parts, the robotic tools, the assembly process, the testing – from the way the wings flex in flight to the way the seats are installed in the cabin. Digital design tools even helped develop the techniques by which Falcon technicians perform service and maintenance tasks.

Using proprietary Computational Fluid Dynamics codes to analyze complex high-speed airflows, Dassault engineers created an all-new Mach .90 wing that is a model of high-speed efficiency—helping to make the 7X fast and also as much as 30% more fuel efficient than other long-range jets. It also allows the airplane to land at the slowest, safest approach speeds of any business jet in its class.

THE PRECISION OF DIGITAL FLIGHT.



The Falcon 7X introduced digital flight control (often referred to as “fly-by-wire”) to business aviation, but it was hardly a new concept for Dassault. The company has spent four decades honing digital flight controls on legendary Mirage and Rafale fighters for greater agility and safety.

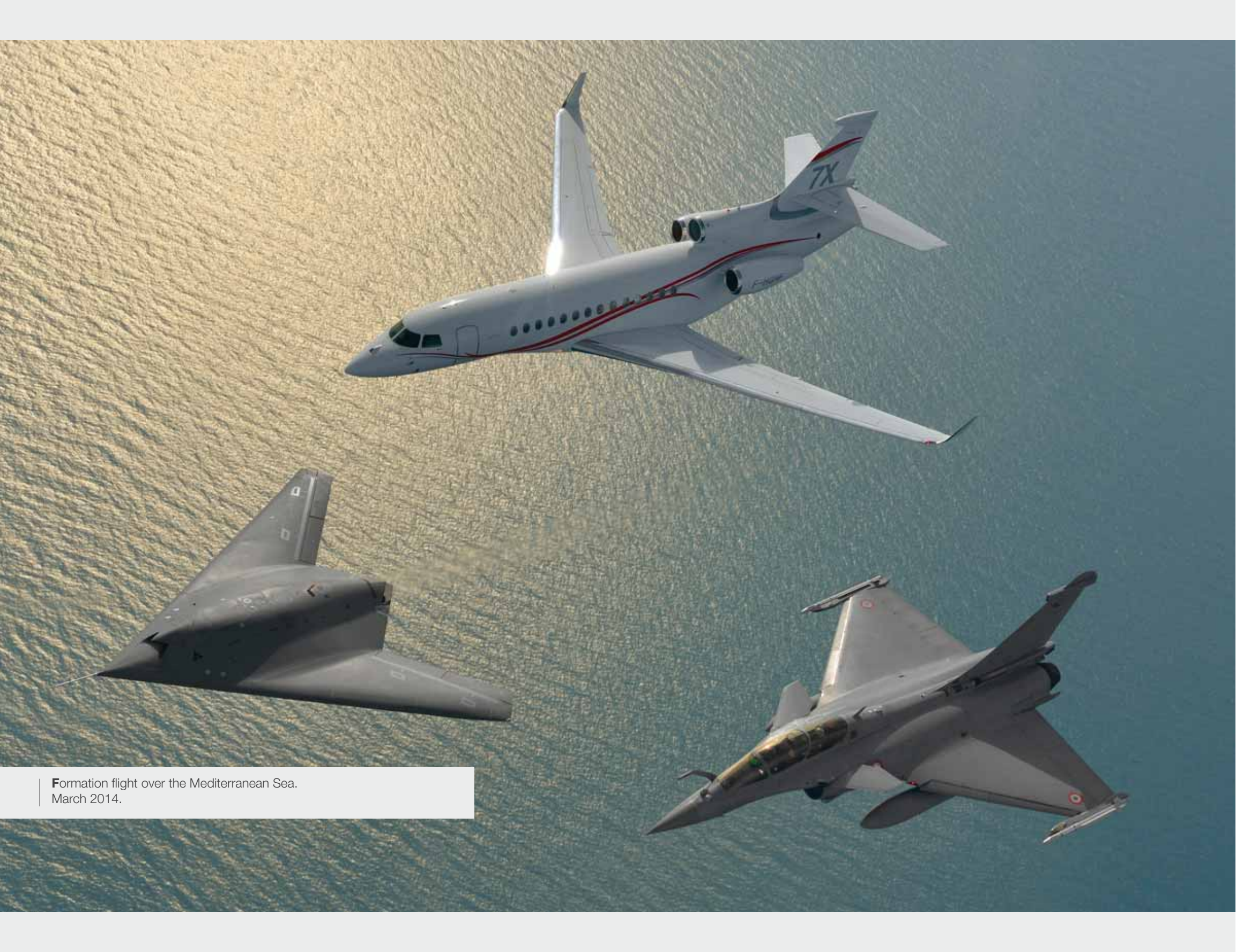
The benefits to business aviation are substantial, beginning with envelope protection. The Falcon Digital Flight Control System (DFCS) guards against aerodynamic stalls, overspeeds, or unintentionally overstressing the airframe. In doing so, it allows the pilots to achieve maximum performance without danger of exceeding airplane limitations, for

example in a wind shear encounter when maximum lift is required.

DFCS lowers pilot workload and allows more precise hand flying. For example, pilots can position the aircraft on a trajectory for a landing point and let go of the control stick—the DFCS maintains precise path control. Trimming, an additional chore on conventionally controlled airplanes, is automatic.

And because DFCS allows both pilot and autopilot to fly with greater precision and responsiveness, it actually smooths the ride in turbulence—a feature beloved by passengers.

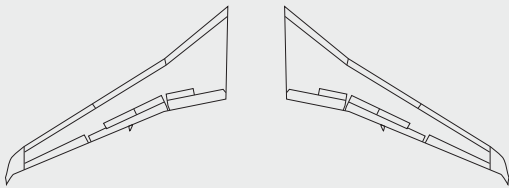




Formation flight over the Mediterranean Sea.
March 2014.



THE MARRIAGE OF STRENGTH AND BEAUTY.



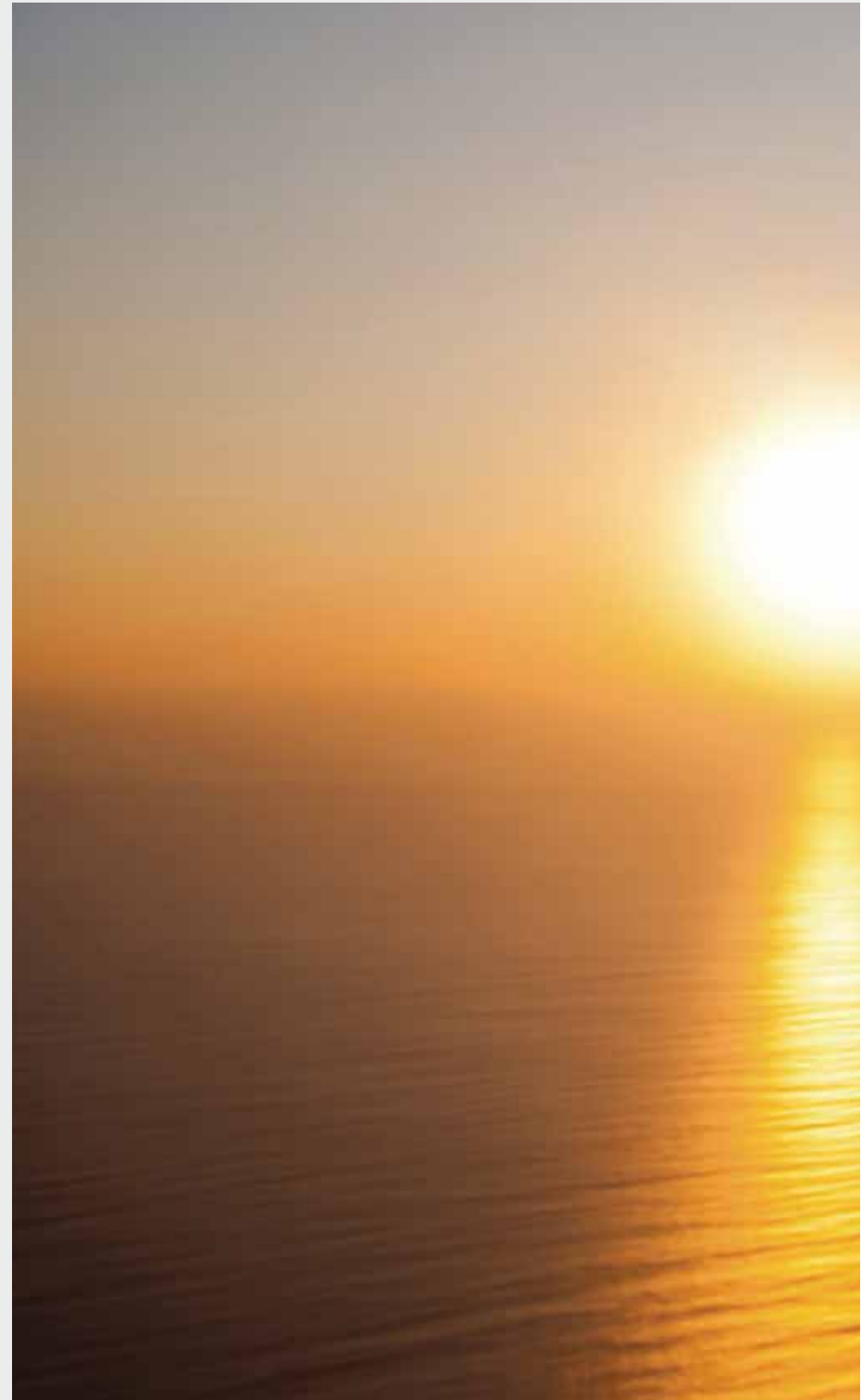
Decades of fighter design have inculcated a tradition of building strong, yet lightweight structures.

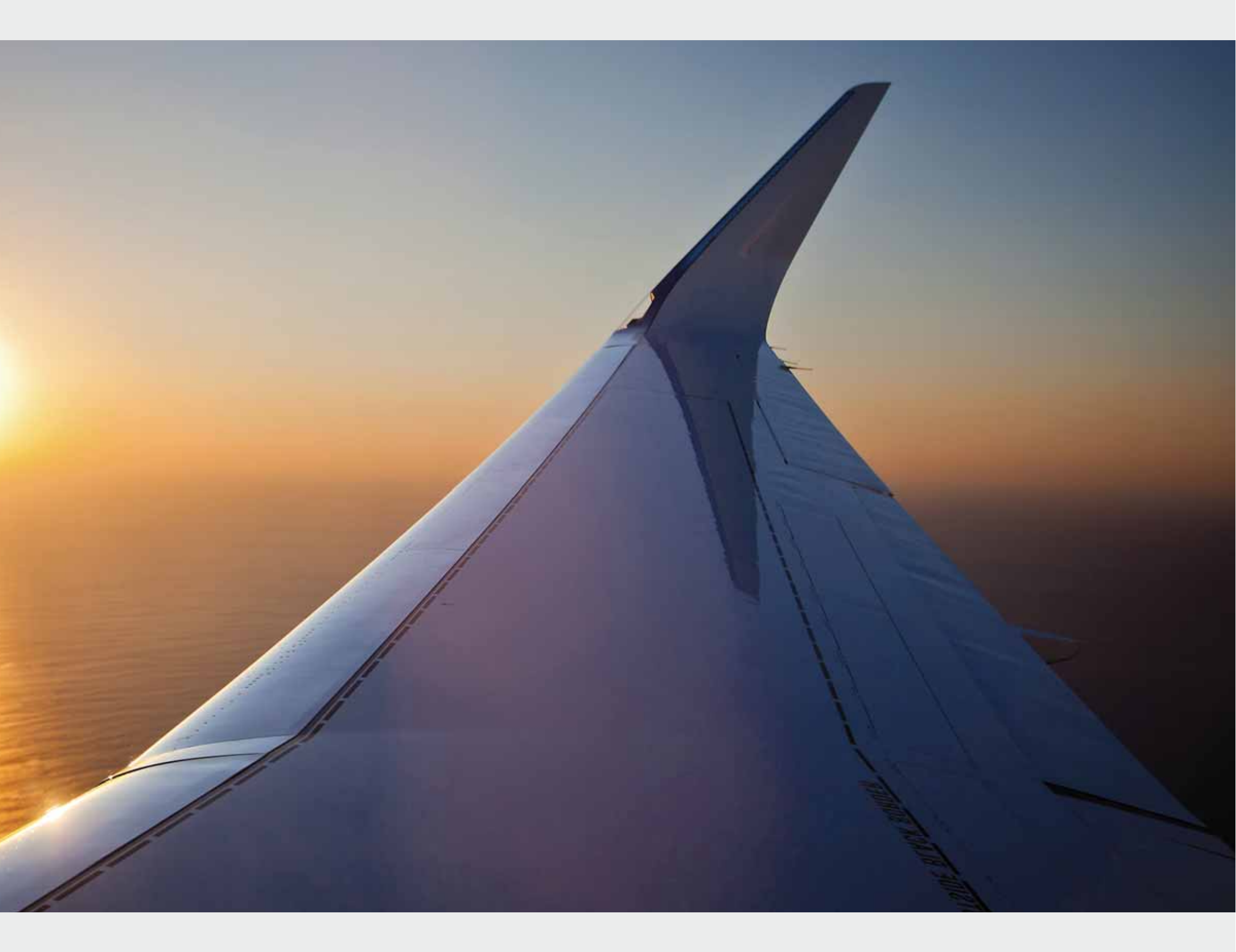
Consider that each 7X wing is married to its fuselage with a hundred titanium alloy bolts, creating a strength for which Falcons are renowned—making them the most robust aircraft in business aviation.

Why titanium? It has the highest strength-to-density ratio of any

metallic element, meaning that it is light and extremely strong. The benefit is a durable airframe that is exceedingly fuel efficient.

The 7X wraps a wide body cabin in a lighter, leaner, more robust airframe, delivering more value than other long-range business jets.

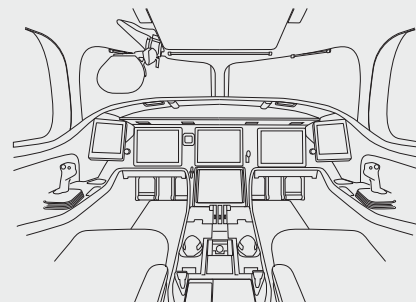








THE MAN MACHINE INTERFACE PERFECTED.



The Falcon EASy II flight deck is a breakthrough design using experience in military programs to improve situational awareness, reduce crew workload and enhance safety.

Situational awareness means knowing where you are and where you are going.

With EASy II, pilots plan the most efficient and safest routes.

They do so more quickly, with reduced possibility of data entry errors and less “head-down” time, such as time spent entering data into flight computers common on other aircraft designs. Instead, pilots use a trackball cursor control device to select options on flight deck displays. For maneuvering flight, especially on approach to landing, pilots use a head up guidance display so eyes are out of the cockpit.

Infrared enhanced vision technology, displayed on the HUD, penetrates the night and other low-visibility conditions. Synthetic vision on primary flight displays shows terrain even when the pilots can see nothing outside the windshield.

Primary flight displays are to the left and right, providing the same information to pilot and copilot, while center multi-function displays are shared, helping to keep the crew coordinated. Each pilot has a touch-screen “electronic flight bag” farther outboard with easily accessed charts and aircraft data.

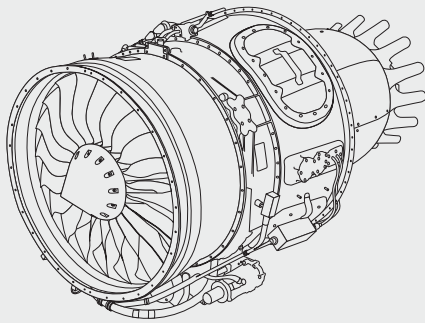
EASy II incorporates the latest cockpit GPS technology providing more precise guidance to more airports, including those without traditional ILS instrument approach systems.





Evolved from fighter technology, the Falcon 7X side-sticks, connected to the aircraft's digital flight control system, bestow exceptional precision in handling and reduce workload. Pilots simply delight in the crisp maneuvering response.

ENGINES: A POWERFUL AND FUEL-THRIFTY PACKAGE.



The three Pratt & Whitney Canada PW307A engines that power the Falcon 7X are custom designed for this aircraft, using our trademark trijet configuration — model of performance, safety and efficiency.

With 6,402 pounds (28.48 kN) of thrust each, they give the 7X superb short takeoff muscle, ocean-spanning stamina and a whisper-quiet ride,

which allows you to use airports near business and residential areas that prohibit noisier aircraft. Also, trijet power allows for more direct ocean crossings versus twin-engine designs, saving time and fuel.

Integrated with the aerodynamics of the 7X, the Pratt & Whitney engines yield 15-30% better fuel efficiency than competing long-range aircraft.

These tough, reliable, proven engines have a history of more than 13 million flight hours logged on airliners and other jets. They also benefit from the on-condition maintenance program, offering a unique availability.

They are environmentally friendly, operating well within the FAA/EPA and ICAO emissions standards. And they are backed up with an outstanding

warranty and guaranteed maintenance plans, as well as the esteemed worldwide support of Pratt & Whitney Canada.

They add immeasurable productivity to your business and measurable resale value to your Falcon 7X.



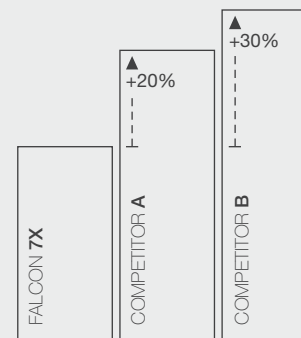
Pratt & Whitney 307A:
More power and ultra efficient.





7X ECONOMICS

THE HIGH-PERFORMANCE, HIGH-VALUE EQUATION.



A Falcon 7X flying 600 hours per year will save almost \$5 million in direct operating costs over 6 years of operation.

Value is the sum of current operating cost and future resale value. On each count, the Falcon 7X soars above the competition. It is far and away the efficiency leader, consuming as much as 30% less fuel than competitors and saving almost \$5 million in direct operating costs over six years of operation.

Factor in the utility of the many airports you will visit that competitors cannot access.

That will save you time, fuel, money and possibly, some frustration.

Historically, Falcons, including the Falcon 7X, hold their value over time better than competing models.

Falcon 7X owners can benefit from FalconCare®, a guaranteed maintenance cost program based on an hourly pay-as-you-fly philosophy. FalconCare® provides predictable operating costs and enhances resale value.



WORLDWIDE SUPPORT

CUSTOMER SERVICE WHATEVER IT TAKES™.



Falcon 7X operators are supported by more than 46 company or authorized service facilities, and 13 parts distribution centers around the world. GoTeams are ready, if you can't come to us, we go to you, dispatching the right team with any needed tools and parts within hours of a call for support, often faster. Dassault dispatches parts for AOG aircraft within two hours in more than 98.5% of cases.

The company leads the industry in offering a two-year warranty on spares and a guarantee that all parts will reach their time-between-overhaul limits or be replaced at a pro-rated price.

It's all part of Dassault's "Whatever it Takes™" service philosophy, which includes a highly collaborative approach with operators. Dassault is constantly innovating and

Wherever you fly, your ground crew extends to hundreds of professionals around the world, ready to respond within seconds to phone, e-mail, or FalconBroadcast® alerts.

Dassault maintains three customer support command and coordination centers around the world—in Paris, France, Teterboro, New Jersey and Boise, Idaho.

improving customer support, in large measure due to the high-level contribution of Falcon pilots and maintenance directors through our Operator Advisory Board and other communication channels.

Falcon ownership means joining a true family of expertise and assistance, whatever your language, wherever your base.



A REMARKABLE BUSINESS JET THAT
JUST KEEPS GETTING BETTER

At Dassault, great airplanes become even greater over time.

The 7X has become the fastest-selling Falcon ever. And with good reason. It's a hard working, durable, dependable time machine—flexible and efficient on short routes, fast, efficient and wonderfully comfortable on trips around the world. Ready when you are for any mission.

For pilots and passengers, the Falcon 7X simply provides the best all-around capability and flight experience in a long-range jet.

Ahead of its time. Ahead of the pack.

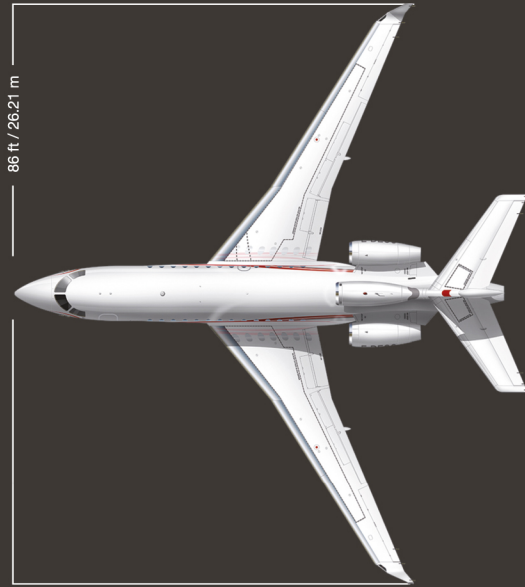
Flying is believing.



7X SPECIFICATIONS
& PERFORMANCE

RANGE MAPS

FLOORPLANS



Falcon 7X SPECIFICATIONS AND PERFORMANCE

PERFORMANCE:

Range (M.80, 8 pax / 3 crew, ISA, SL, Zero Wind, NBAA IFR Reserves)	5,950 nm	11,020 km
MMO (Maximum Operating Mach Number)		Mach .90
Max Certified Altitude	51,000 ft	15,545 m
Takeoff Distance (SL, ISA, Max Takeoff Weight)	5,710 ft	1,740 m
Landing Distance (FAR 91, 8 pax / 3 crew, SL, NBAA IFR Reserves)	2,070 ft	630 m
Approach Speed, Vref (8 pax / 3 crew, SL, NBAA IFR Reserves)	104 kias	193 kph

ENGINES & AVIONICS:

3 Pratt & Whitney Canada PW307A	6,402 lb	28.48 kN
(Max. Thrust, ISA+17°C, SL)		

EASy II Flight Deck

(with Honeywell Primus Epic System)

EXTERNAL DIMENSIONS:

Wing Span	86 ft	26.21 m
Length	76 ft 8 in	23.38 m
Height (with optional fin tip radome)	26 ft 2 in	7.96 m

INTERNAL DIMENSIONS:

Cabin Height	74 in	1.88 m
Cabin Width	92 in	2.34 m
Cabin Length (excluding flight deck and baggage)	39 ft 1 in	11.91 m
Cabin Volume (excluding flight deck and baggage)	1,552 ft ³	44 m ³
Baggage Volume	140 ft ³	4 m ³

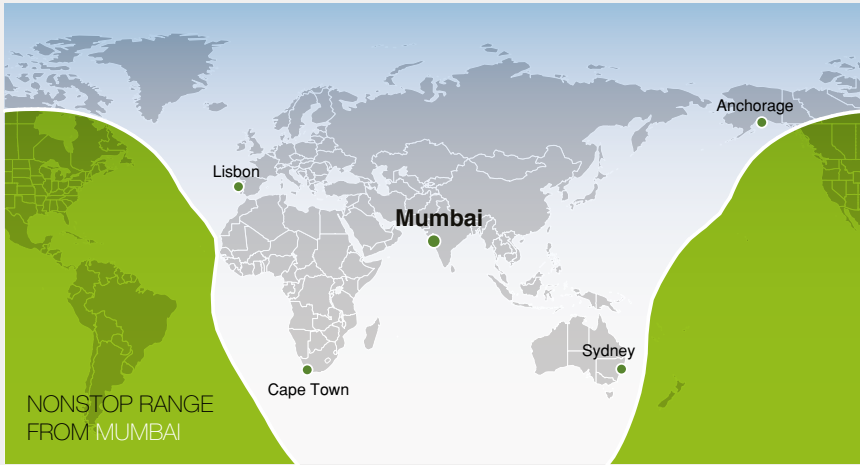
WEIGHTS / CAPACITIES:


Max Takeoff Weight	70,000 lb	31,752 kg
Max Landing Weight	62,400 lb	28,304 kg
Max Fuel Weight	31,940 lb	14,488 kg
Max Payload	6,000 lb	2,720 kg

NONSTOP RANGE MAPS:

All performance data is based on a maximum range of 5,950 nm with 8 passengers, 3 crew, Mach .80, ISA, 85% Boeing Annual Wind Reliability, NBAA IFR Reserves.







Here is a sampling of the 12- to 14-seat interiors we've designed for Falcon 7X customers.

To finalize your choice, you can visit our new, more experiential design show rooms located at Teterboro and Le Bourget. You can try the seats and work the cabin management system, even enter and immerse yourself in whole cabin sections. And, of course, you will find Dassault's expert and enthusiastic designers able to take you through all your fabric, finish and other options.

In the end, you will have created a cabin environment that is a unique expression of your taste, and uniquely well suited to your travels.

12-PASSENGER SEATING CONFIGURATION

Floorplan includes Forward Double Club, Dining Group, Credenza, Three-place Divan and Single Executive Seat with Console Table.

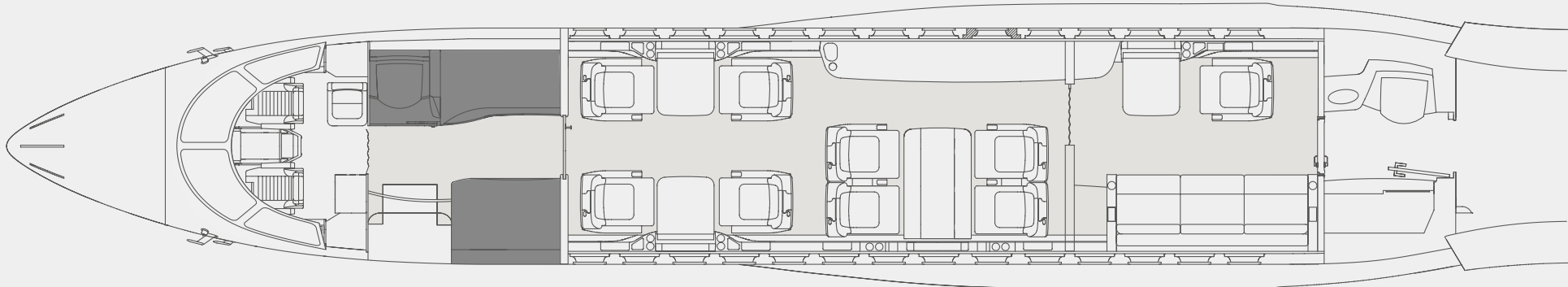
13-PASSENGER SEATING CONFIGURATION

Floorplan includes Forward Double Club, Dining Group, Credenza, R/H Three-place Divans and Aft L/H Club Group.

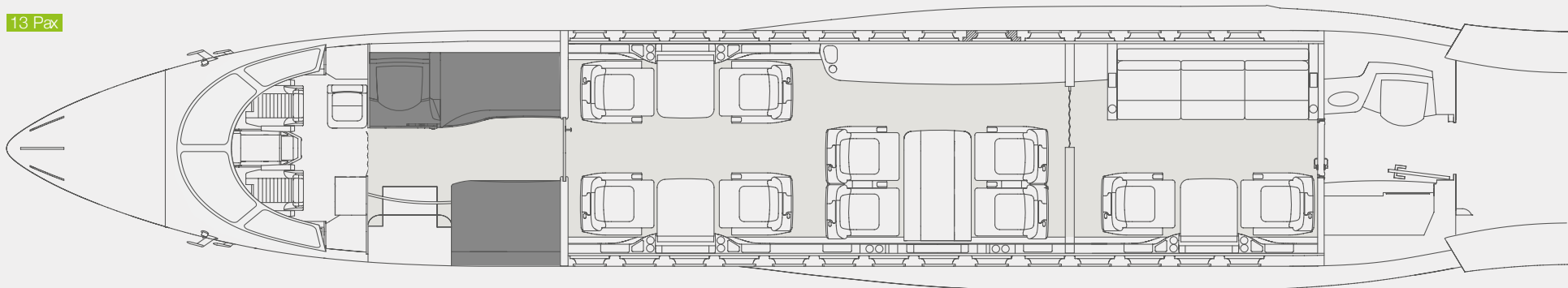
14-PASSENGER SEATING CONFIGURATION

Floorplan includes Forward Double Club, Dining Group, Credenza, Two aft Three-place Divans.

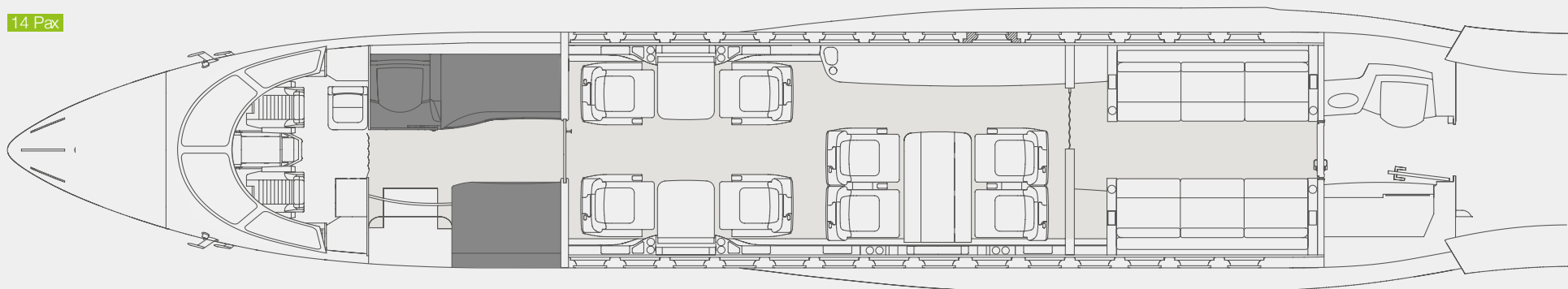
12 Pax



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