





Excellent dispatch reliability

on a wide range of cycles

99+%



Jose Luis Garza, Chief Executive Officer of Interjet refering t dispatch reliability stated:

"You normally go through a learning curve, we are already there"

The SSJ100 has been successfully operating a challenging range of cycles, from 1 to 3 hour flights, some 13 flights a day all year round.

SSJ100 tops comfort in internal survey



Good results in all sector

An internal survey by one of our customers compared the SSJ100 to other aircraft in its fleet: passengers interviewed found the cabin more comfortable than the competition.

With a slice volume of 0.95m³, the SSJ100 already fairs better, business and leisure customers asked about other internal features gave the SSJ100 frequently higher marks than the competion, these include leg room, seat comfort, overall odor, baggge compartments.

Tested in extreme conditions



MEXICO CITY

Subtropical climate Elevation of more than **2200m**

28°C [83°F]

average summer temperatures

The SSJ100 operates in some of the most difficult hot & high conditions. From the 2200m altitude of the Toluca Airport in Mexico, for example, it flies to 25 domestic and 8 international destinations.



YAKUTSI

The coldest temperatures for any city

-39°C (-38°F)

average winter temperatures

The SSJ100 operates out of Yakutsk Airport in extremely low daily temperatures, sometimes below -40°C, operating 16 domestic routes and 19 international destinations.

"This is a fantastic aircraft and we look forward to introducing our customers to its high levels of comfort and efficiency in the coming years" Pat Byrne, Executive Chairman of CityJet

Better than expected fuel consumption



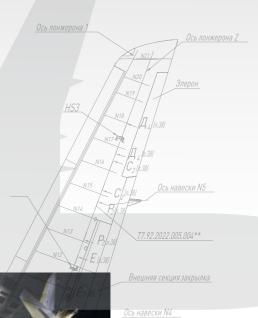
At least 10% less Clients are reporting an even better consumption rate compared to early manufacturer's projections. $-10^{0}/_{0}$

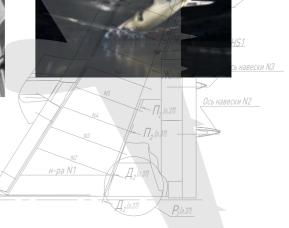
Airframe and engine designed together right from the start. Maximizing performance through engineering synergy

and construction, we safety benefits.

Teamwork

Early in the project Boeing was involved as a consultant for program management. From the outset the SSJ100 was designed to use proven systems, many of which are derivatives of existing off-the-shelf components – a highly cost-efficient approach to aircraft design and construction, with obvious safety benefits.







rodynamic excellence

For nearly a century, the Central Aerohydrodynamics Institute (TsAGI) in Russia has been a leading research center, recently counting major international manufacturers among its clients. The TsAGI wind tunnel was used to hone the SSJ100's design – minimizing drag, optimizing fuel burn, and perfecting the supercritical wing profile.

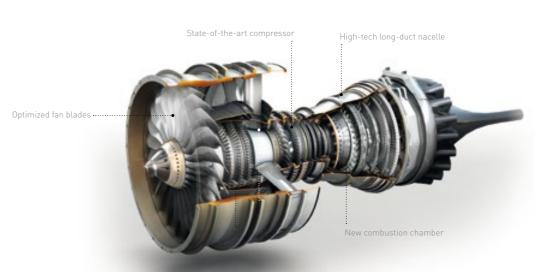
Designed to maintain

Catia Human Builder software has been used throughout the design and development of the SSJ100 not only to optimize flightdeck ergonomics but also to simplify maintenance: by designing in accessibility and providing excellent access to all parts of the airframe, the labor required to inspect, check and replace components is significantly reduced.

Russian airframe excellence
Sukhoi is a long-established
manufacturer with vast experience
in the high-tech production
demands of modern aerospace
structures. The SSJ100 follows
the tradition of Russian airframe
excellence, adding state-of-theart avionics and controls sourced
from leading suppliers to produce
an aircraft ready to face the
world's most challenging operating
environments.

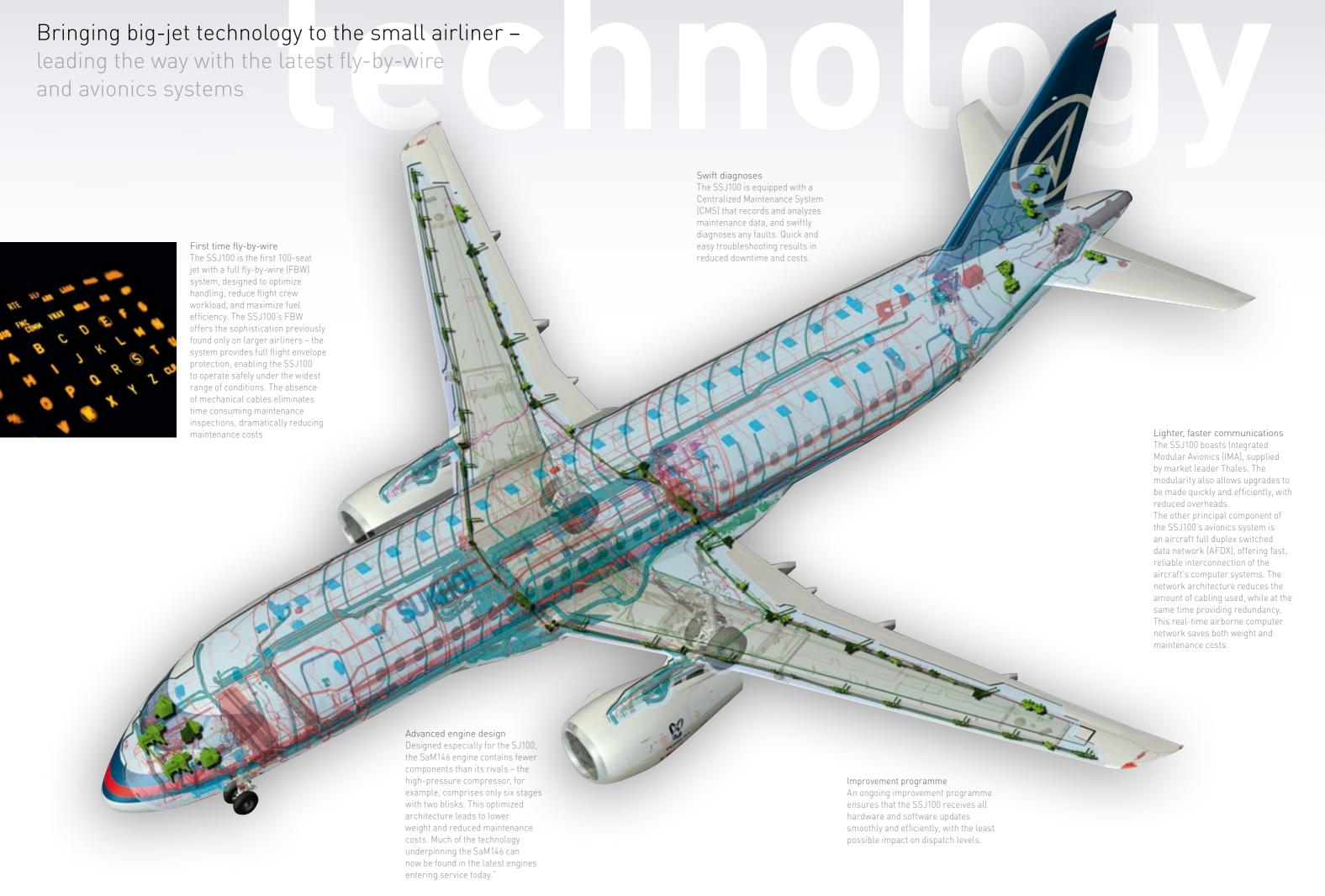
Optimized dedicated engine

The SaM146 engine that powers the SSJ100 was created especially for the aircraft and has been designed from the ground up with the demands of a regional jet in mind. This market requires frequent flights and fast turnarounds – a testing environment for an engine, especially when downtime must be avoided. The SaM146 is easy to maintain, and its class-leading fuel burn also contributes to low overall running costs. The engine meets the latest noise regulations and emission requirements.



9





Full fly-by-wire improves safety & makes the SSJ100 lighter and easier to fly

Intuitive engine controls
The SSJ100's engines are
controlled by active, servodriven throttles – an established



High-feedback side stick

The long-strut sidestick not only offers exceptional comfort through attention to ergonomic detail, but has also been designed to give the pilot new levels of feel and feedback.



Pilot-friendly deck

The crew benefit from a "dark and quiet" flight deck designed after extensive consultation with pilots to give a working environment that offers exceptional ergonomics. Five large switchable LCD screens provide flight data and an interface to the aircraft's state-of-the-art avionics, which include the latest weather radar, navigational and anti-collision devices, as well as an "electronic flight bag" option.



Efficient flight deck-tech

The SSJ100 is the first aircraft of its class to be equipped with a full fly-by-wire (FBW) system, which has been designed to prevent the aircraft from exceeding its flight envelope and includes automatic deployment/retraction functions for high-lift devices and spoilers.

Particular attention has been paid to the operational flight envelope, with control parameters adjusted to improve the feel of the aircraft under all conditions that pilots are likely to experience. The FBW system also enables the SSJ100 to operate as efficiently as possible, reducing fuel consumption and contributing to the aircraft's remarkably low running costs.



overall length: 29.94 m [98.2ft] western industrial content more than 60%



engines		
type	2 PowerJet SaM146 turbofans	
thrust	15,400–16,100 lbf (68.5–71.6 kN) at NTO	
	17,300-17,800 lbf (77.9-79.2 kN) with APR	
airfield performance		
SSJ100/95B		
takeoff field length (MTOW)	5,679 ft	1,731 m
landing field length (MLW)	5,348 ft	1,630 m
SSJ100/95LR		
takeoff field length (MTOW)	6,732 ft	2,052 m
landing field length (MLW)	5,348 ft	1,630 m

101,150 lb	45,880 kg
109,019 lb	49,450 kg
90,390 lb	41,000 kg
90,390 lb	41,000 kg
88,185 lb	40,000 kg
88,185 lb	40,000 kg
4,175 US gal	15,805 l
4,175 US gal	15,805 l
	109,019 lb 90,390 lb 90,390 lb 88,185 lb 88,185 lb



A sensation of space: 2m+ high cabin



Easy access to overheads
The SSJ100 offers more overhead
baggage space per passenger than
competing aircraft. The generous
lockers are easily accessible – a useful
feature if the operating environment
prioritizes carry-on luggage, as this
facilitates a swift turnaround.

Pininfarina interior (optional)

Leading design studio Pininfarina has created an exclusive interior for the SSJ100. The "Italian team", comprising Alenia Aermacchi, Superjet International and Pininfarina, has developed the initial concept into a production reality, crafting a cabin for SSJ100 customers who want their aircraft really to stand out from the crowd – modern and elegant, yet at the same time functional and easy to maintain.

Narrow-body space in a compact airliner comfortable for passengers, greater access, so more profit for operators

Wide seats

The seats of the SSJ100 are wider than those of its competitors – the generous size and spacing plus ample legroom offer unsurpassed passenger comfort.

0.47 m (18.5")

Wide aisle

0.51 m (20")

The SSJ100 has the widest aisle in its class, speeding up boarding and deplaning. The cabin crew can move easily through the cabin, with space to spare for passengers to pass by.

3.24 m (10.6 ft)

2m+

m+ high cabin

At over 2 meters high, the cabin of the SSJ100 has more headroom than any of its rivals, adding to the feeling of spaciousness and allowing even the tallest passengers to move around with ease.

First five-seat abreast

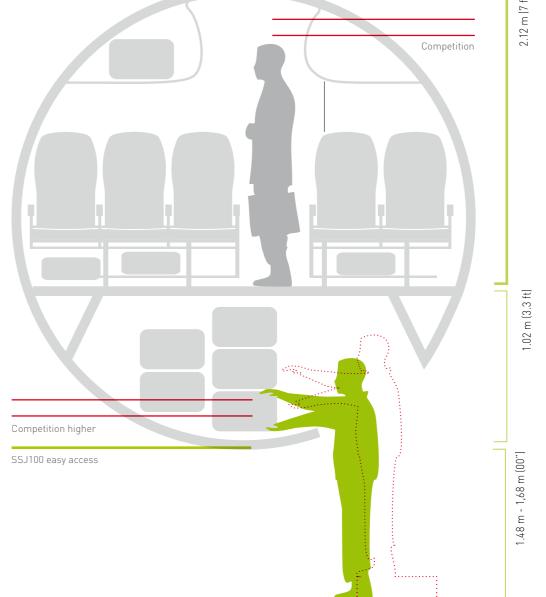
The SSJ100 is the first aircraft in its class with five-abreast seating, a configuration that offers more cabin space than any of its competitors. No matter where they sit – even in the middle seat – all passengers enjoy spacious accommodation.

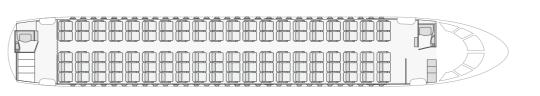
Increased cargo space

The diameter of the SSJ100's fuselage gives the aircraft the largest cargo bay in its class, with a maximum height of over 1 meter, easing the work of baggage handling. Two wide-opening doors give easy access to both the front and rear compartments, enabling rapid loading and unloading – vital for a swift turnaround at busy airports.

Low cargo access

Easy last-minute baggage additions as there is no need for ground support to get access.





Standard single class - 100 seats

economics



Cutting the costs from design to operation. The clean-sheet design of the SSJ100 gives it an economic edge over its rivals, saving money in the air and on the ground

design to maintain

cash operating costs per trip (500 nm) how we cut costs Competition SSJ100 **SSJ100** Competition reducing weight >10% >8% 100% engine simplicity 100-seater lower fuel burn 100% The SSJ100's advanced aerodynamic design, including 100-seater lower carbon tax Crew Fuel fast turnaround "right-sizing" Maintenance **Today Future**

performance

Ranging far and wide. Efficient engines in a lightweight airframe extend the range and increase the number of possible routes

 max /cruise speed (mach)
 time to climb to FL 300
 range (B/LR)

 0.81 / 0.78
 12 min
 1645 nm / 2470 nm







Away from the hub

The rugged SSJ100 is also well suited to short-field operations, and needs a runway width of only 21.4 m [70.21 ft] to turn round.

"Hot and high" performance

Due to its optimized combination of engine and airframe, which results in an excellent thrust-to-weight ratio, the SSJ100 is able to perform very well in extreme "hot and high" conditions.

Going places. The performance of the light and maneuverable SSJ100 and its ability to operate safely and efficiently from small regional airports brings high levels of comfort and sophistication to routes previously served only by more basic aircraft



environmental



Flying green makes financial sense – saving money on fuel and saving tax on emissions

reducing environmental impact and saving around 600,000 USD per year*





about 1.5 tons of CO₂ less per trip emitted compared to its direct competitor

SSJ100

Competition 100-seater

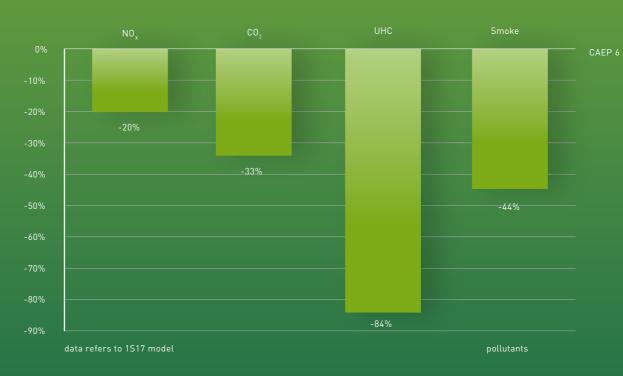
CO₂

noise reduction

The high-tech long-duct nacelles carrying the SaM146 engines are designed to optimize acoustic performance, with the result that the SSJ100 meets ICAO Chapter 4 noise regulations – meaning that it is permitted to operate from any airport

all atmospheric emissions down

SaM146-Emissions vs CAEP 6



SaM146: CAEP 6 compliant with higher margins CAEP6 applicable in 2008 to newly certified engine

engine emissions

- controlled by the latest-generation FADEC system – combines a newly designed combustion chamber with a state-of-the-art high-pressure turbine, resulting in highly efficient fuel burn with emissions that comfortably exceed CAEP6 standards

air quality

SSJ100 considerably exceeds ICAO CAEP6 standards. The SaM146 engine has been designed to meet anticipated emissions legislation, future-proofing operations of the SSJ100.

Training services: Providing world class training for safe and profitable SSJ100 operations

Customer Support Solutions:

Super-caring for the SSJ00 worldwide fleet



Basic SuperCare Plan

Flexibility:

Always adapting to customers' needs

The SJI Training Center Staffed by experienced international instructors and fully certified as a flight and maintenance organization by European and Russian Federation Authorities, the SJI Training Center provides, at its Venice (Italy) and Moscow (Russia) locations, a wide and flexible array of training courses to allow safe and profitable operations of the SSJ100. The Center is equipped with state-of-the-art training devices (FFS, FTDs, CEET, CBT stations and

Virtual Aircraft tools).



Customer support

SJI recognizes that customers must have a strategic choice for their support requirements and helps them to choose the best strategy for their evolving business. SJI has developed a modular and flexible array of services through a single turnkey agreement, called the "SuperCare Plan", which aims to maximize aircraft availability, optimize ownership cost, maintain asset value and ensure full budget control through predictable costs based on fixed rates per flight hour.

ogistik Services Fort Lauderdale Support warehouse

SJI bases its MRO support strategy on a customer-focused approach, by identifying the right MRO support solution tuned to each individual airline operator's strategy of whether to perform certain maintenance tasks in-house while outsourcing others. SJI supports all its customers either through its existing SSJ100 MRO Network, or by scouting independent MROs already linked with individual SSJ airline operators, who are able to extend their maintenance capabilities to the SSJ100 type, as well as by enabling airline operators to become self-sufficient to perform their SSJ100 maintenance in-house.



Frankfurt

· Spares distribution center

Moscow Russian branch Training center · Support warehouse

Venice

- Headquarters
- · Customer care center
- Training center
- Support Warehouse

Support Warehouses

The main spares distribution center warehouse located in Frankfurt (FRA), managed by Lufthansa Technik Logistik (LTL) and equipped with state-of-the-art infrastructure, allows outstanding service levels for spares delivery. Other support warehouses, located at Moscow (SVO) and Miami (FLL), cover spare parts requirements for Russia/CIS and the Americas, respectively. Smooth SSJ100 operations are facilitated by a dedicated Customer Care Center which provides a 24/7 single point of contact for spares and technical queries.

