

Falcon 

TLV BAC 2023 

FALCON 6X & FALCON 10X PROGRAM UPDATE

EMMANUEL SENARD, INTERNATIONAL SALES MANAGER

 **DASSAULT
AVIATION**

THE FALCON FAMILY

NEW



| Falcon 10X | 7,500 nm

NEW



| Falcon 6X | 5,500 nm

New Programs



| Falcon 8X | 6,450 nm



| Falcon 7X | 5,950 nm



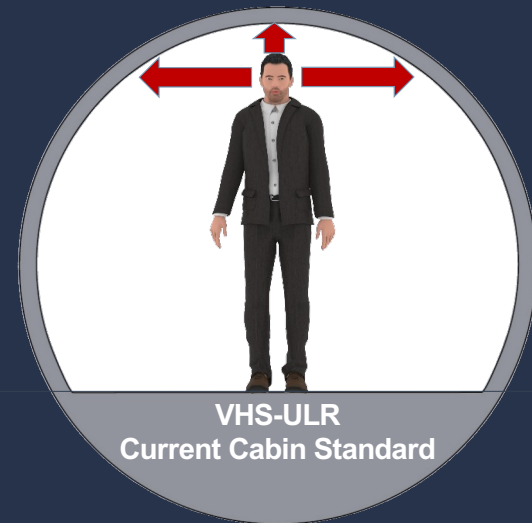
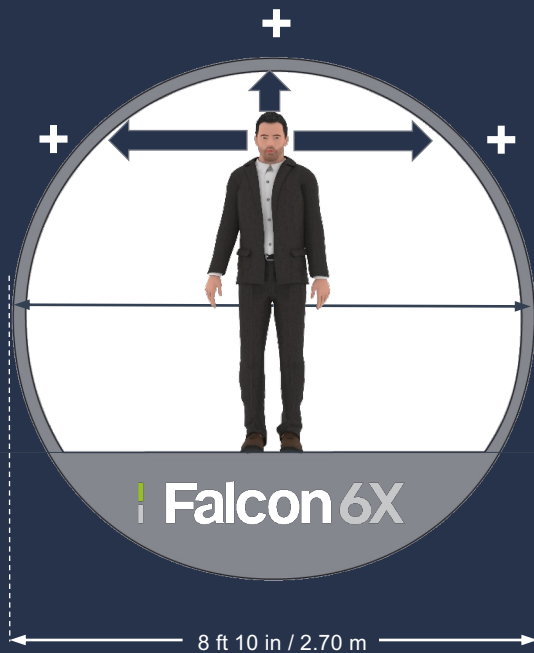
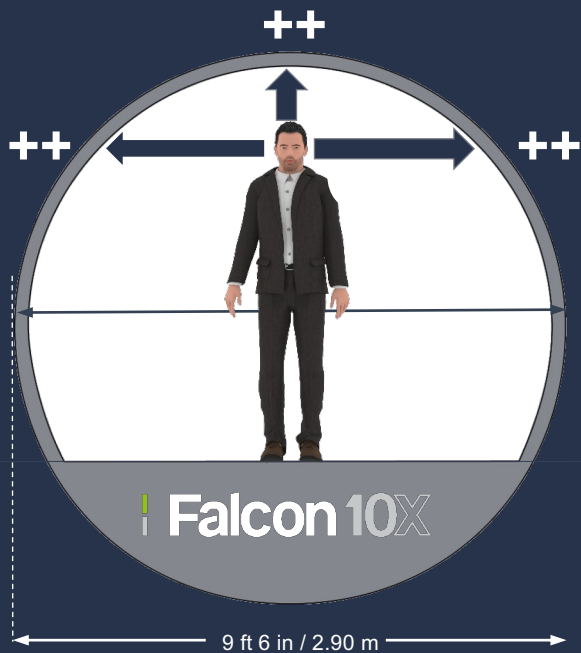
| Falcon 900LX | 4,750 nm



| Falcon 2000LXS | 4,000 nm

A NEW CABIN STANDARD

Widest and Tallest Cabin On The Market



*Unfinished dimensions





- 5,500 nm (10,186 km)
- 11+ flight hours

- Entry Into Service mid 2023

FALCON 6X TECHNICAL PROGRESS

2021/2022 – Achievements from first flight to EBACE

- First flight aircraft #1
- First flights in an operational environment
Refueling with SAF
- Pratt&Whitney achieved Canadian engine certification
- Cold weather campaigns performed in Iqualuit, Canada
(down to -37°C)
- First ferry flight to Little Rock achieved with aircraft #5
- External noise tests campaign for certification achieved



FALCON 6X TECHNICAL PROGRESS

2022 – What's new since EBACE?

- High altitude airport campaign achieved in Telluride, Colorado
- High speed tests up to Mach 0.97 for certification
- World tour performed (4 weeks, 50 legs, 150 flight hours)
- Hot weather campaign performed in Tozeur, Tunisia (up to 48°C)
- Pratt&Whitney Engine EASA & FAA certification granted

Flight tests status (end of 2022)

- More than 1,100 flight hours/ more than 400 flights with 3 development aircraft and aircraft #4



FALCON 6X TECHNICAL PROGRESS

2022 – World Tour : 50 flights / 150 flight hours / ~50,000 NM



- Operate in real-world conditions with preliminary versions of pilot, cabin and servicing documentation.
 - Evaluate the Falcon experience (comfort, connectivity, storage)
 - High-tempo operations in many climates/conditions
 - Road-test robustness
 - Longest flight: 11h 20mn / 5,150 nm
- ➡ **Performance and availability in line with expectations**

Falcon 6X

WORLD TOUR





- 7,500 Nm (13,890 km)
- 15+ flight hours

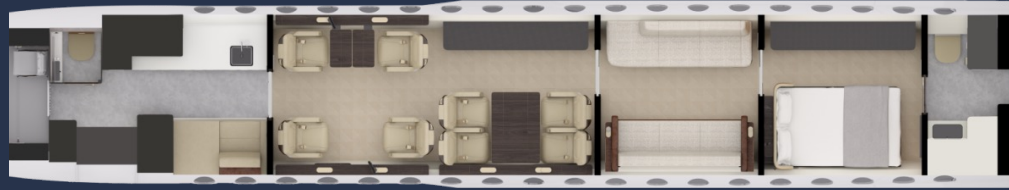
- Official Launch - May 2021
- Entry Into Service - Late 2025





UNIQUE CABIN MODULARITY

4-Lounge
Configuration



4-Lounge Large Bathroom
Configuration
(and Private Home Cinema)



VIP Configuration
Master Suite, Ultra-Wide
dining area and large
bathroom



MAXIMUM RANGE – FALCON 6X/10X



FALCON 10X PROGRAM UPDATE

Design



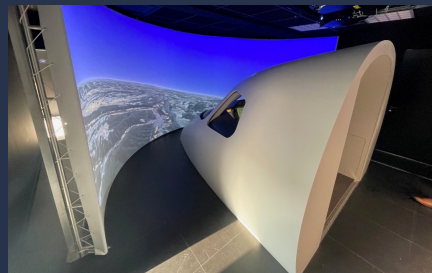
- Wind tunnel test campaign achieved
- Aircraft preliminary definition frozen
- Aircraft detailed definition in short final

FALCON 10X PROGRAM UPDATE

Testing

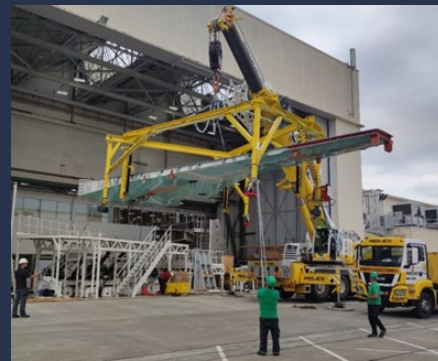
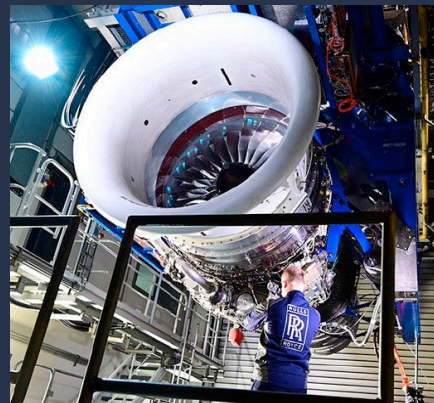
➤ System testing

- Flight Simulation Bench fully operative in Saint Cloud
- Multi-system bench with real computers in service in Istres
- Fuel system tests achieved on fuel bench in Istres
- Air system distribution tests started on cabin comfort bench in Merignac



➤ Engine Rolls Royce Pearl 10X

- 1st tests on the bench completed early 2022
- Max thrust level exceeded : the Pearl 10X is the most powerful engine on the business jet market
- More than 1,000 test hours achieved



➤ Mechanical testing

- Full scale composite wing tests ongoing in Merignac

FALCON 10X PROGRAM UPDATE

Manufacturing facilities

Argonay

Flight Control System equipment



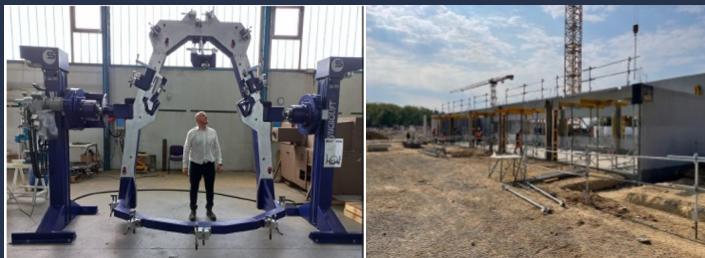
Biarritz

New hangar dedicated to composite



Cergy (Paris Area)

Forward fuselage assembly



Martignas

New wing assembly hangar



Mérignac

Falcon 10X final assembly



FALCON DNA



Unique Civil/ Military Dual Expertise

- Global Design Optimization
- Pioneer in Digital Flight Control System
- Most Advanced Combined Vision System
Falcon Eye incl. ELBIT Technology
- Automatic Recovery Mode

Leading to the Highest Level of Safety

Falcon 6X

FLIGHT TEST
BY FRED GEORGE
AVIATION WEEK





THE BEST OF BOTH WORLDS.