Titanium and business jets
Presentation plan

• Dassault Company / Business Jets
• Evolution of titanium volume per aircraft
• Expected business jets sales (2012-2022)
Thaleb Meraoumia, Dassault
October 7-10, 2012 • Atlanta, Georgia, USA

DASSAULT AVIATION GROUP
GROUP PROFILE (1)

- **Key player in the aerospace industry, both in Europe and internationally.**
- **Only group in the world to design, manufacture and support both combat aircraft (instruments of political independence) and business jets (work and economic development tools).**
- **Strategic player for the policy of national independence.**
- **Group at the vanguard of the technical and industrial revolution of the digital enterprise.**
- **International group that remains human in scope on the scale of the global aerospace industry.**
- **Last aviation group in the world still owned by its founding family and bearing its name.**
GROUP PROFILE (2)

- Products: Mirage, Rafale, Falcon, nEUROn
- One of the world leaders in top-of-the-range executive jets and fighter aircrafts.
- Near 11,500 employees; Presence in France and in United States, 8 offices abroad the world.
- A presence in more than 77 countries across 5 continents.
- More than 8,000 aircraft delivered, representing some 25 million hours of flight time.
PRODUCTS: FALCON FAMILY

FALCON 2000S
3,350 NM – Twin jet
8 to 10 passengers

FALCON 900LX
4,800 NM – Triple Jet
12 to 19 passengers

FALCON 2000LX
4,000 NM – Twin Jet
8 to 14 passengers

FALCON 7X
5,950 NM – Triple Jet
12 to 19 passengers
Evolution of Ti Volume per Aircraft

• Impact of composites:
  – Composites increase the use of titanium
    • But because of the size of business jets
      – composites applications are more limited

⇒ Slight increase of volume
Evolution of Ti Volume per Aircraft

• Impact of bolts and nuts:
  – Environmental regulations
    • Some surface treatments shall be forbidden (Cd..)
      – Titanium has slight advantage over steel

⇒ Slight increase of volume
Honeywell Forecast (may 2012)

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