

The Future of Aircraft Technology

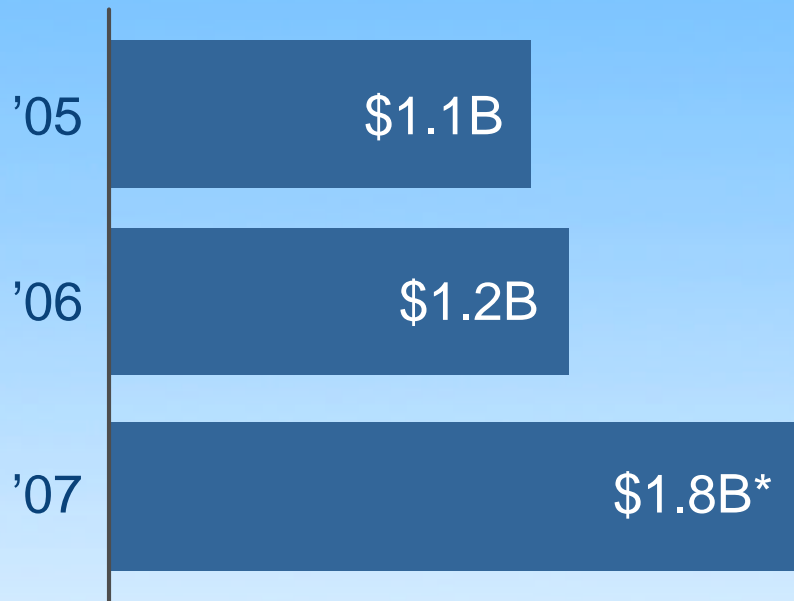
Scott Donnelly
President & CEO
GE Aviation



Commitment to technology investment



GE Aviation R&D investment



Technology focus areas

- Engine ... power efficiency and optimization
- ATC ... flight optimization

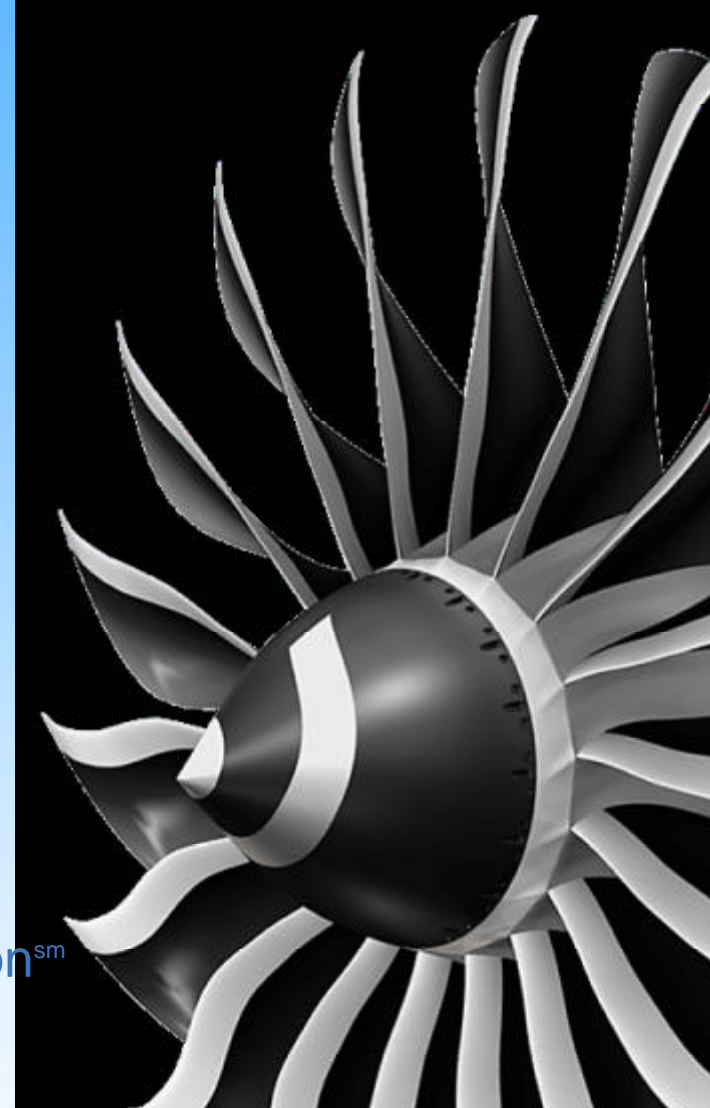
* Includes GE Aviation Systems R&D

Cleaner, quieter, faster, affordable

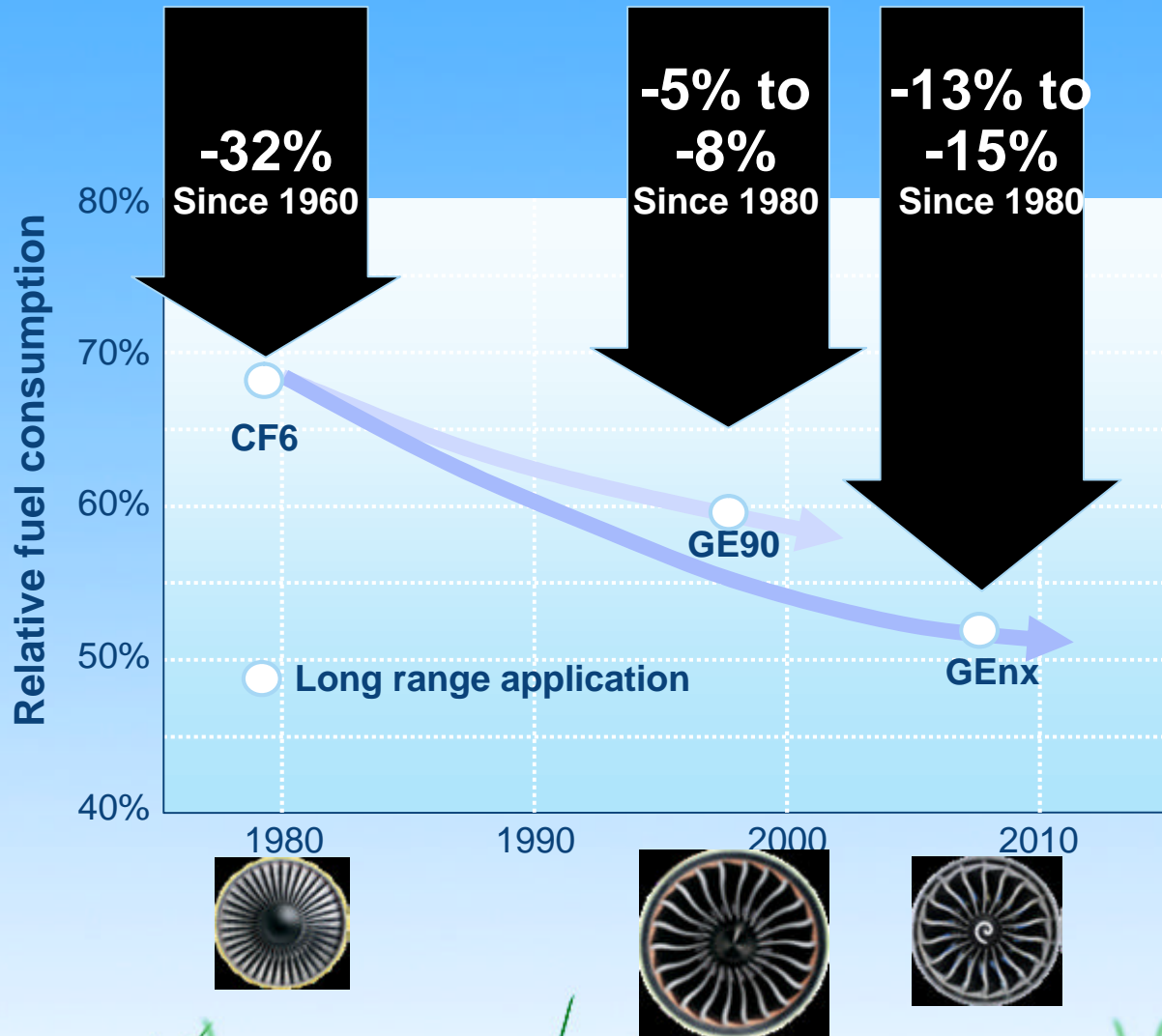
- Fuel consumption
- Emissions
- Noise
- Cost of ownership
- Reliability



a product of
ecomaginationsm



Efficiency gains in engine technology



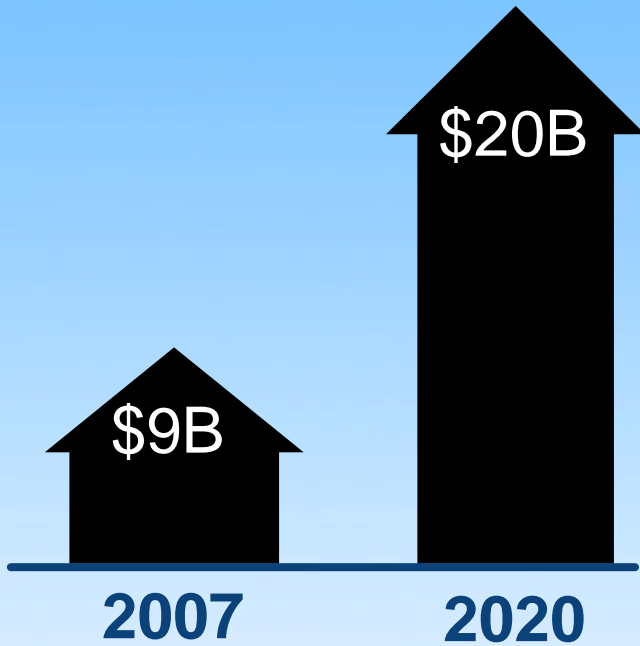
Drivers

- Aerodynamics
- Materials
- Combustion

Long range application

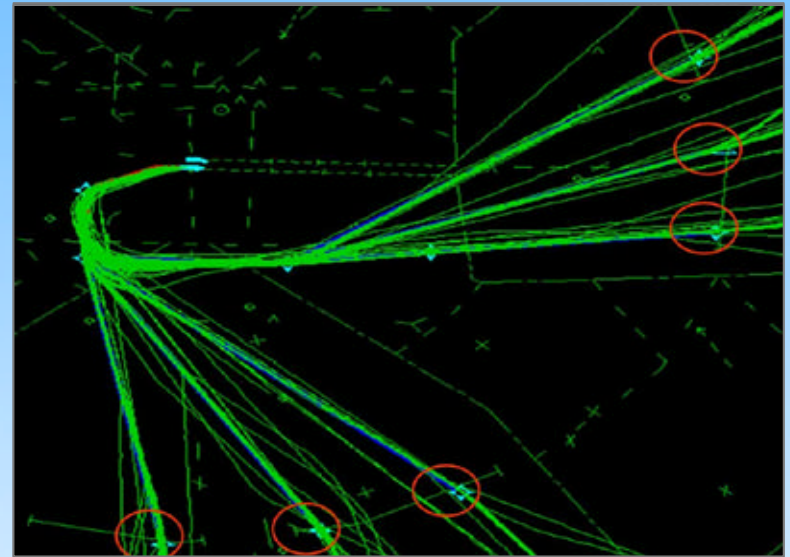
Air Traffic Control challenges

U.S. Congestion Cost



Source: Next Gen Air Transport System report

Performance Based Navigation



Atlanta Hartsfield

Reinvesting **technology** in today's fleet

Aero & Material
Upgrades

**Engine
Technology**

80's

90's

00's



Systems Technology

Flight deck/
FMS Retrofit



imagination at work