

GE's Technology and Services

Analyst Meeting

May 4, 2006



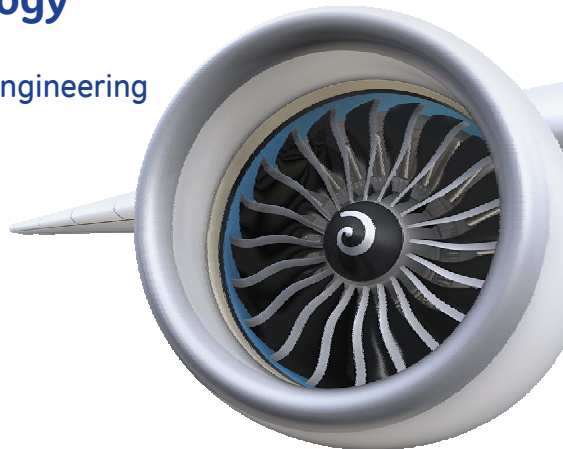
imagination at work

GE
Aviation

Aviation Technology

Jeanne M. Rosario

Vice President, Aviation Engineering

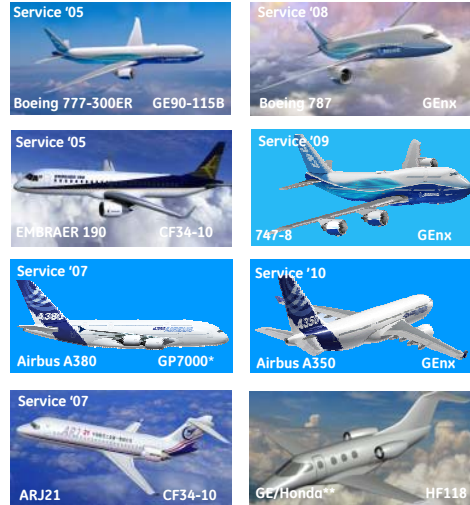
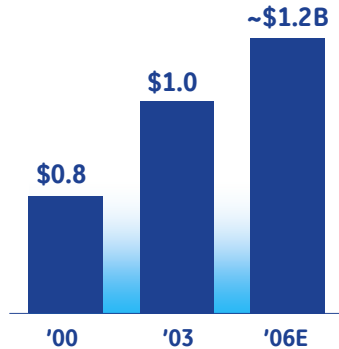


imagination at work

Technology investment ... family additions

Highest R&D commitment in history ... \$7B since 2000

Total Engines R&D spend \$B



*GP7000 developed by GE/P&W Engine Alliance
**HF118 developed jointly by 50/50 JV between GE & Honda

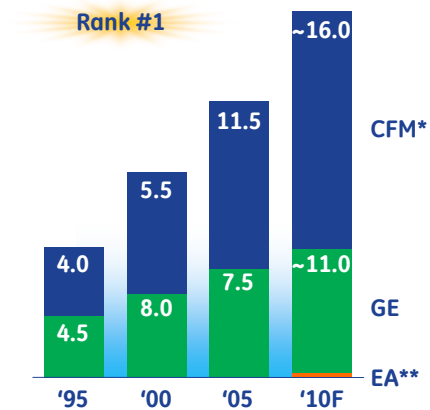
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GE Company Proprietary

Growth engine ... technology

Product lineage



Engines installed base (Commercial)



*CFM International is a 50/50 joint company between GE and Snecma

**GP7000 developed by GE/P&W Engine Alliance

***LEAP56 is a trade mark of CFM International, a 50/50 joint company between GE and Snecma



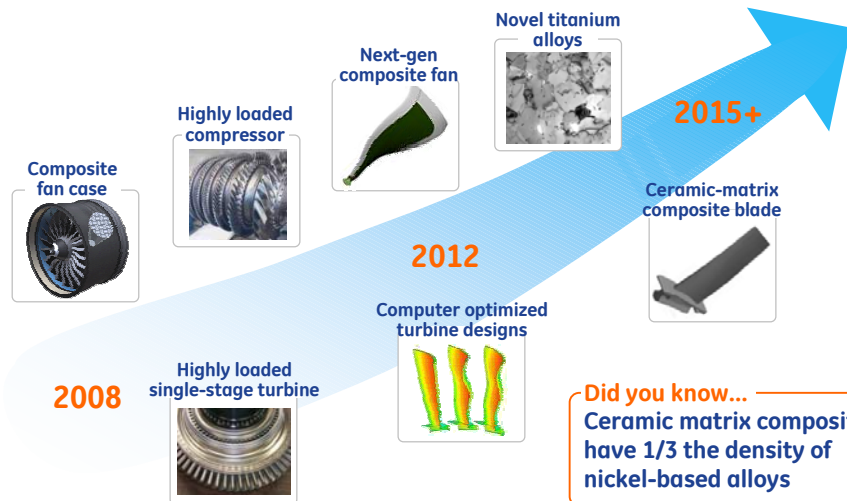
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The next century ... cleaner, quieter, faster, affordable

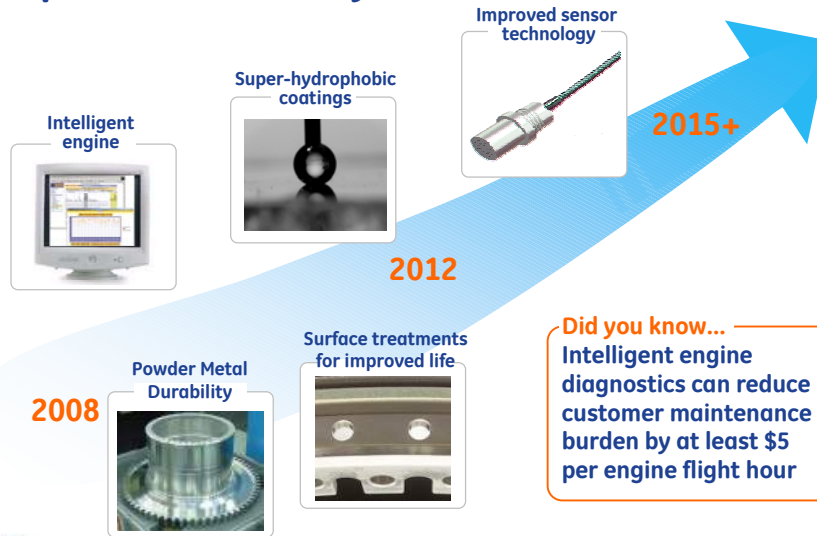
Fuel burn	20%
Emissions (NO _x)	85%
Noise	55%
Cost of ownership	30%
Reliability	50%



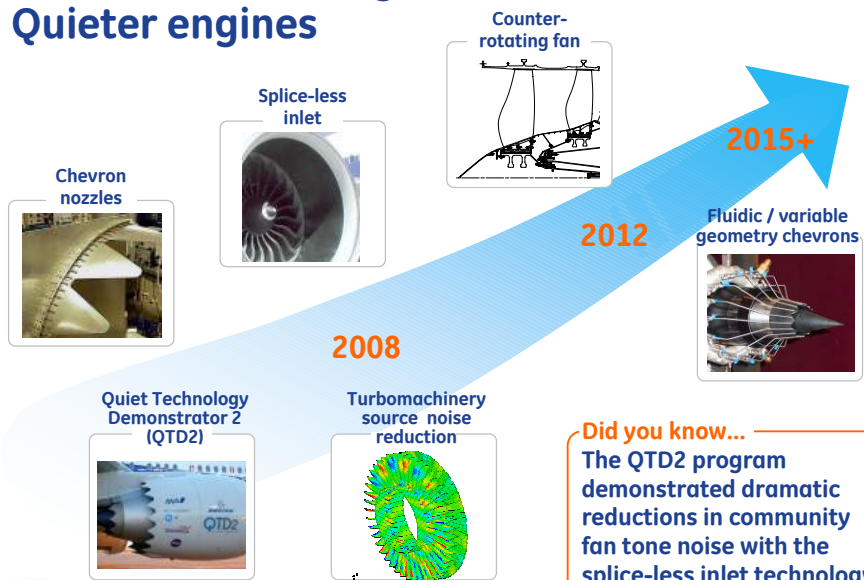
Fuel burn technologies Weight reduction & aerodynamic improvement



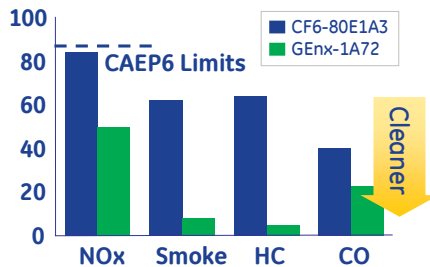
Cost of ownership technologies Improved durability and robustness



Acoustics technologies Quieter engines



Robust Twin-Annular Pre-Swirl combustor (TAPS) ... lower emissions



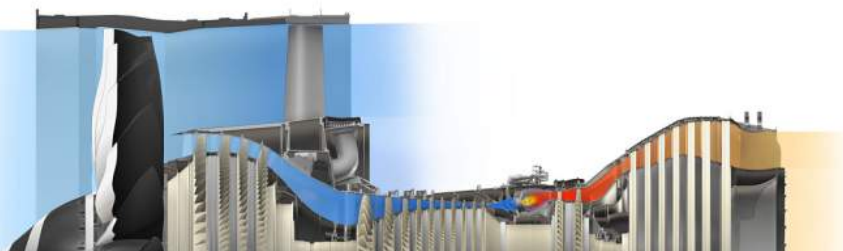
TAPS I - Demonstrated operability & efficiency for GEnx

- 30% lower emissions (NOx) than previous state of the art
- 4,000 cycles durability

TAPS II for LEAP56*

- 50% lower emissions than TAPS I
- 20,000 cycles durability

GEnx ... a balanced design Next generation technology today



Low fuel burn

- 15% efficiency improvement
- > \$1.2MM annual savings per aircraft

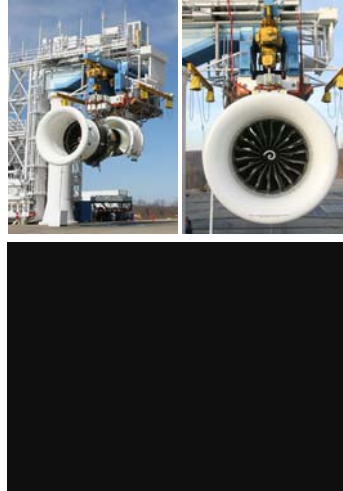
Low operating cost

- 30% fewer parts
- 20% longer time on wing

GEnx ... First Engine to Test (FETT) "best ever"

FETT March 19, 2006

- Achieved 80,500 pounds of thrust on March 21
- 8 hours 38 minutes run time
- Excellent hardware condition
- 1,600 instrumentation parameters



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Foundation for the future ... LEAP56* Built on today's CFM** products

Fuel burn ... 10% better

- Lightweight / composite structures
- Component technology

Maintenance cost ... 25% lower

- Lower parts count
- Longer life-limited-parts

Environment

- 60% lower emissions (NOx)
- 100% improvement in margin to acoustics regulations



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LEAP56* ... playing our strong suit Proven system with high market confidence

	Technical		Benefits		
	Investment	Risk	Performance	Reliability	Environment
Proven architectures + technology advances					
Materials	H	M	+	+	+
Aerodynamics	H	L	+	+	+
Combustion	H	L	+	+	+
New architectures					
Geared fan	M	H	+	-	+
Unducted fan	H	H	++	-	-
C/R fan	M	H	+	-	+



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GE technology leadership

- Strong integrated technology team
- Building upon the best ideas from across GE
- Introducing new high technology products
- Developing technology for 2013 and beyond



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