GE Aviation Deutsche Bank Industrial Conf.

June 05, 2014

This document contains "forward-looking statements" - that is, statements related to future, not past, events. In this context, forward-looking statements often address our expected future business and financial performance and financial condition, and often contain words such as "expect," "anticipate," "intend," "plan," "believe," "seek," "seek,""seek," "seek,""seek," "seek," "seek," "seek," by their nature address matters that are, to different degrees, uncertain. For us, particular uncertainties that could cause our actual results to be materially different than those expressed in our forward-looking statements include: current economic and financial conditions, including volatility in interest and exchange rates, commodity and equity prices and the value of financial assets; potential market disruptions or other impacts arising in the United States or Europe from developments in sovereign debt situations; the impact of conditions in the financial and credit markets on the availability and cost of General Electric Capital Corporation's (GECC) funding and on our ability to reduce GECC's asset levels as planned: the impact of conditions in the housing market and unemployment rates on the level of commercial and consumer credit defaults; pending and future mortgage securitization claims and litigation in connection with WMC, which may affect our estimates of liability, including possible loss estimates; our ability to maintain our current credit rating and the impact on our funding costs and competitive position if we do not do so; the adequacy of our cash flows and earnings and other conditions which may affect our ability to pay our quarterly dividend at the planned level or to repurchase shares at planned levels; GECC's ability to pay dividends to GE at the planned level; our ability to convert pre-order commitments/wins into orders; the price we realize on orders since commitments/wins are stated at list prices; the level of demand and financial performance of the major industries we serve, including, without limitation, air and rail transportation, power generation, oil and gas production, real estate and healthcare; the impact of regulation and regulatory, investigative and legal proceedings and legal compliance risks, including the impact of financial services regulation; our capital allocation plans, as such plans may change including with respect to the timing and size of share repurchases, acquisitions, joint ventures, dispositions and other strategic actions; our success in completing announced transactions and integrating acquired businesses; our ability to complete the staged exit from our North American Retail Finance business or the acquisition of the Thermal, Renewables and Grid businesses of Alstom as planned; the impact of potential information technology or data security breaches; and numerous other matters of national, regional and alobal scale, including those of a political, economic, business and competitive nature. These uncertainties may cause our actual future results to be materially different than those expressed in our forward-looking statements. We do not undertake to update our forward-looking statements.

This document includes certain forward-looking projected financial information that is based on current estimates and forecasts. Actual results could differ materially.

GE's Investor Relations website at <u>www.ge.com/investor</u> and our corporate blog at <u>www.gereports.com</u>, as well as GE's Facebook page and Twitter accounts, contain a significant amount of information about GE, including financial and other information for investors. GE encourages investors to visit these websites from time to time, as information is updated and new information is posted.

Imagination at work.

GE Aviation portfolio ... \$22B





Based on 2013 revenue

-2) includes GE's share revenue from 50-50 CFM and EA joint ventures

A leading provider of jet engines, services and systems

Powering the world's airline fleets

Every **2 SECONDS**, an aircraft with GE engine technology is taking off somewhere in the world.⁻¹⁾

At any given moment, **MORE THAN 2,200** of these aircraft are in-flight, carrying between 50 and 500 passengers.

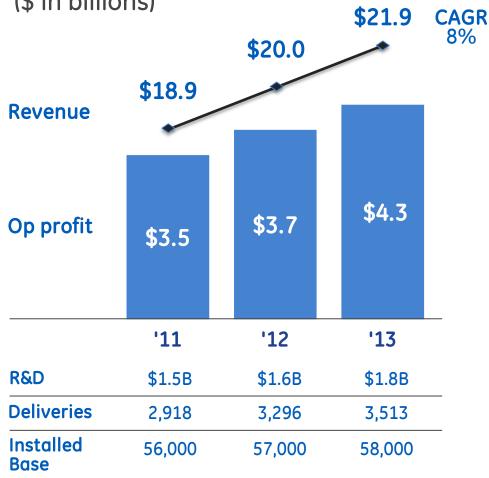
That's **MORE THAN 300,000** people ... right now ... who are depending on our engines.





-1) Includes joint venture engines built by CFM and EA *CFM International is a 50/50 JV between GE and Safran EA is a 50/50 JV between GE and PW **Deutsche Bank Conference**

A great GE business (\$ in billions)



Strategic imperatives

- Grow installed base and services
- Lead in next-generation products
- Position supply chain for product volume growth
- Build out digital services for customer productivity

Deliveries and installed base includes GE and JV partners volume. 2012 Deliveries: GE 1,837; CFM 1,382; EA 77 2012 Installed base: GE 40K; CFM 18K; EA .2K CFM is a 50/50 JV between GE and Snecma EA is a 50/50 JV between GE and Pratt & Whitney



Commercial engines

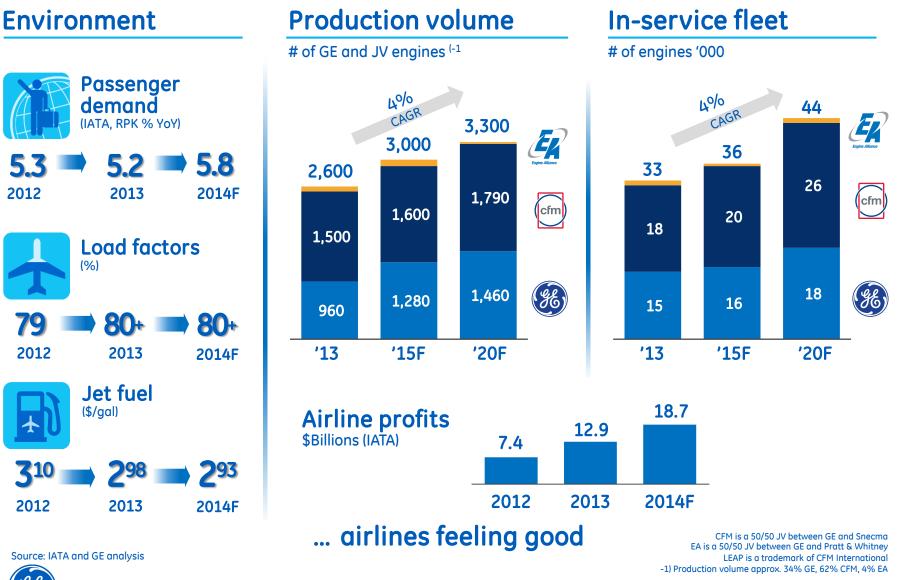


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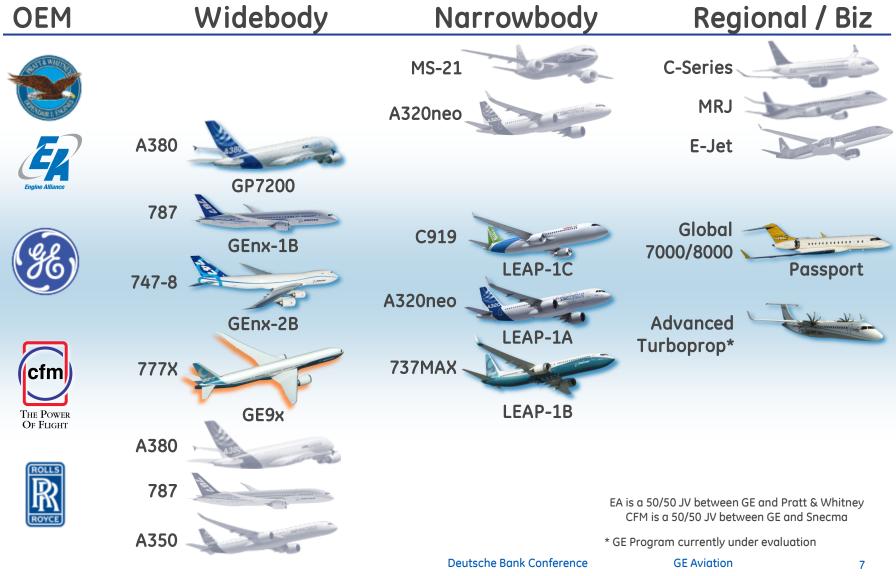
GE Aviation

Commercial Equipment Growth



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Commercial product positioning



GE Proprietary Information Subject to restrictions on the cover or first page

Preferred power for narrowbody



CFM56 ...

MILLION

flight hours

- 26,000 engines delivered
 - 30+ years in service
 - 34,000+ departures per day

Fleet in service

'20F

18,800

'14E

LEAP ...

- 2016 service entry
- Selected by Airbus, Boeing, COMAC
- 6,300 orders and commits
- 9,000 a/c opportunity





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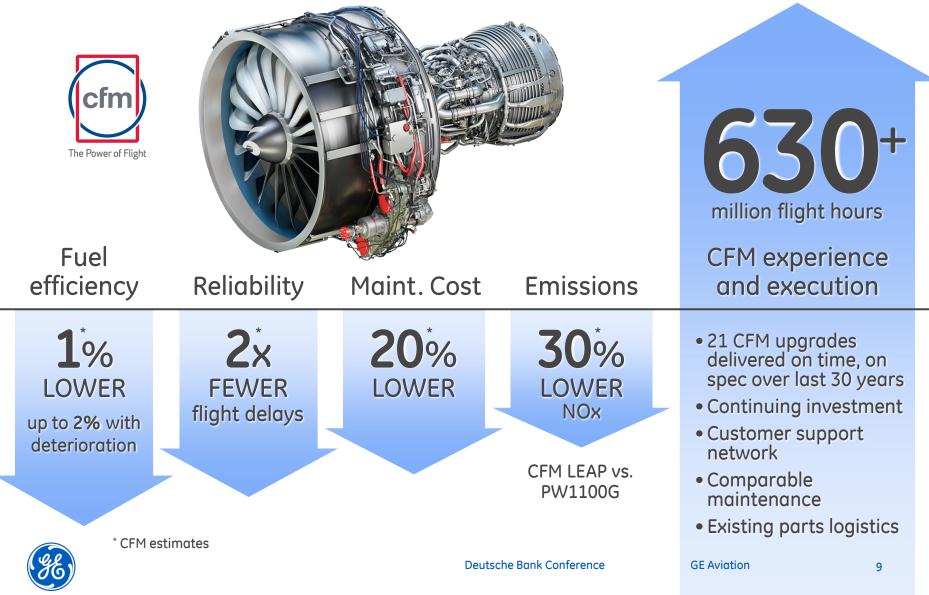
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WER

fuel consumption*

CFM LEAP competitive advantage summary



Technology leadership in big twins

GE90 ...



- 600 aircraft on order
 - **1,700** engines in service
 - With 65 operators

Fleet in service 2,600

'20F

'14E

GE9X ...

- Service entry end of decade
- Sole source
 on 777X
- **3,000** a/c opportunity

Most advanced engine GE's ever designed







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Successful launch of 777X demonstrates customers confidence in GE9X technology

	<u> </u>	
Customer	777-8X	777-9X
Lufthansa)-	34
Etihad	7	18
Emirates	35	115
Qatar	-	50
Cathay Pacific	-	21
ANA	-	20
Total	42	258

AIRCRAFT

Active campaigns with 10+

Emirates CATHAY PACIFIC

customers and ~200 aircraft



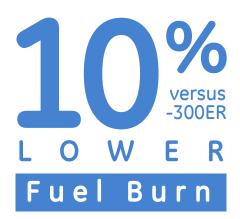
Lufthansa

QATAR

لاتحاط

ANA

GE9X ... delivering value on the 777x



GE TECHNOLOGIES

Fan blades

Compressor

Combustor

Ceramic-matrix composites (CMCs)







29% Nox REGULATORY margin





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Carbon-fiber composites ... improving performance, weight, durability

GE90-94B 777-200ER



• Wide chord design **22 blades**





• Swept aero 22 blades



GEnx

GE9X Boeing 777X



• Improved materials 16 blades

2020 fan blade EXPERIENCE 1000+ million flight hours

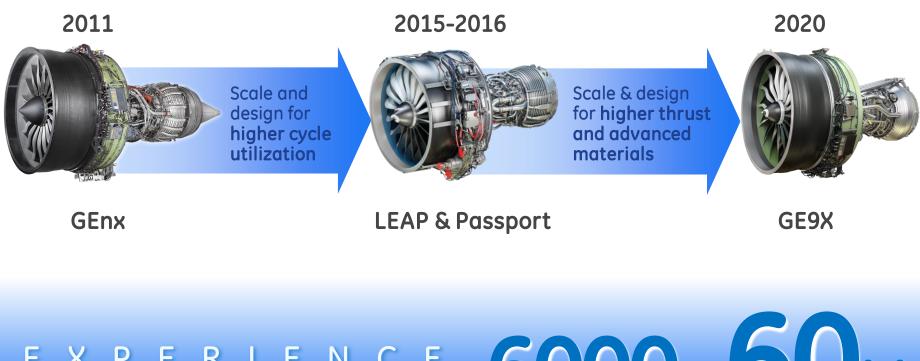
Extending to fan cases

- Integrated structure
- Saves 700+ lbs per aircraft on 787

9,9

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Building on technology investment



EXPERIENCE

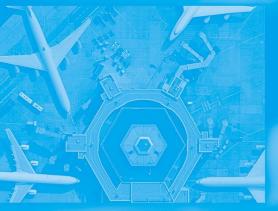
Delivering technology with customer confidence 6000 ENGINES





Deutsche Bank Conference LEAP is a trademark of CFM International, a 50-50 JV between Snecma and GE Technology experience (engines/hours): CFM: ~4,000/~30MM, GE: ~2,000/~30MM Commercial launches: 19 GE, 9 CFM, and 1 EA

Services





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Commercial services growth

40

35

30

25

20

15

10

5

0

'95

Environment





Source: IATA & GE analysis



2 of 3 daily flights powered by GE or GE JV's

\$96_B Services backlog

CFM is a 50/50 JV between GE and Snecma EA is a 50/50 JV between GE and Pratt & Whitney



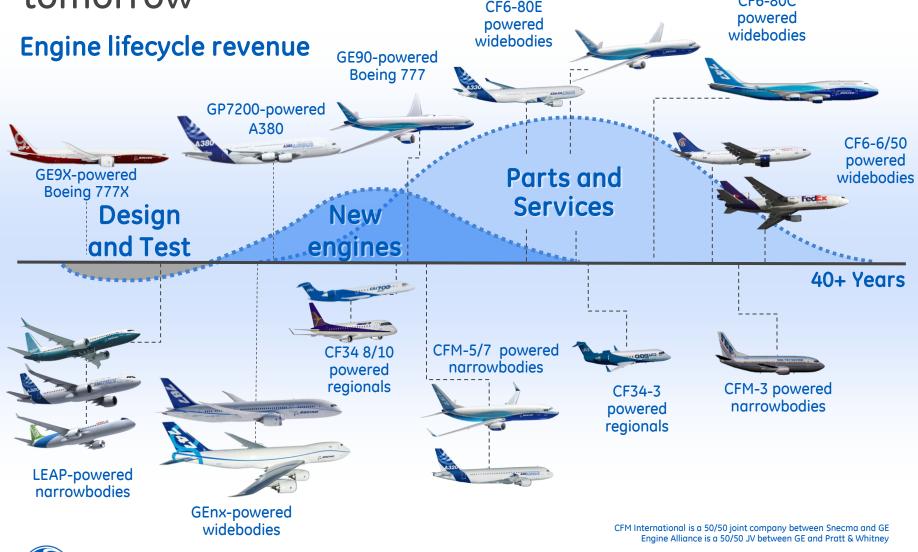
Servicing our customers today and tomorrow



16,300 CFM56 engines. CFM is a 50-50 JV between GE and Snecma 120 GP7000 engines. GP7000 is a product of EA, a 50-50 JV between GE and Pratt & Whitney

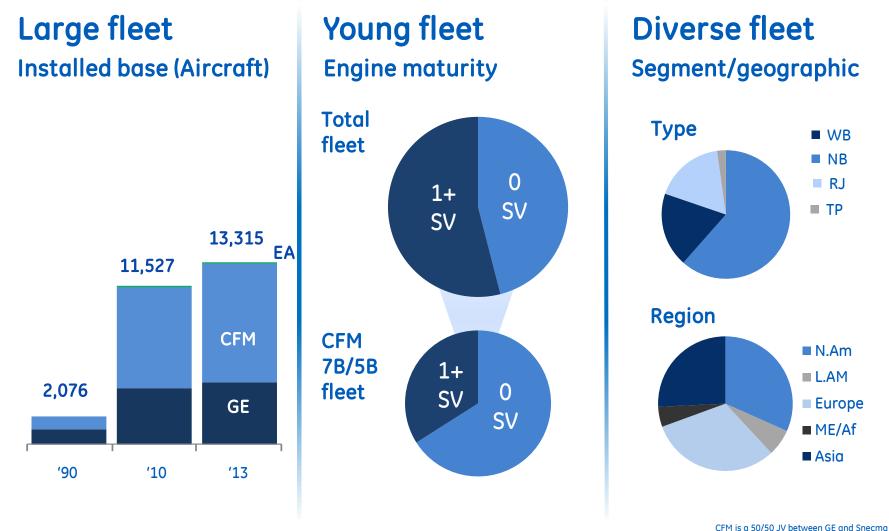
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Industry leading product portfolio ... today and tomorrow





Well positioned for services growth



CFM is a 50/50 JV between GE and Snecma EA is a 50/50 JV between GE and Pratt & Whitney GE Honda is a 50/50 JV between GE and Honda Aero, Inc.



Aligned network of global service partners

- More than **8,000** employees in **10** countries
- 250 field service engineers
- 450 dedicated customer support representatives

- 400+ services customers worldwide
- 55+ years of experience (25+ years CFM)
- Network locations worldwide



(BE)

GE Aviation

joint company between Snecma and General Electric Company

GE's tradition: continuous product improvements to reduce customers' cost of ownership

Installed base ('13)		I M P R Upgrades	OVEM Fuel Burn	E N T S Time-on-wing
CFM56 ~18,500	1984 EIS	8	8%	2x
CF6-80C2 ~3,000	1986 EIS	8	3%	3 x
GE90 ~1,550	1995 EIS	5	2%	2x



GE's Analytics Advantage





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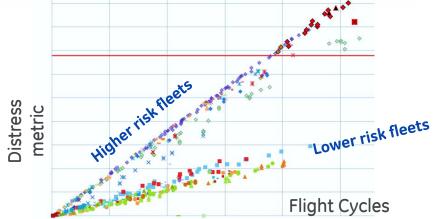
Minds & Machines at GE Aviation Asset productivity....example

ISSUE: Accelerated wear in regions with high air particulates



Approach: Applied analytics to detect engines at risk of early removal

(millions of data points used...every engine in the fleet, every flight)



Value: Prevent high cost events and minimize customer maintenance burden











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Minds & Machines at GE Aviation where physics meets analytics

Anomaly Detection

Operator A Derate, dust **Femperature Operator B** Engine Exposure No derate, dust **Departures Part Temperature** "Temperature has shifted Engine data + "A subset of the fleet is in particulate environments" susceptible to accelerated wear" environment + engine physics = Predictive Analytics Prescriptive Analytics Customer Value Takeoff Climb Corrosion Above limit ... on watch **Distress Metric** Cruise Exhaust gas temp (C) Threshold Ground Idle Altitude (ft) **Below limit ... continue service Departures** "Condition will cause engine removal in xx flights. Recommended operation to "We have isolated the extend time on wing is...." operational condition" **Deutsche Bank Conference GE** Aviation 24

Descriptive Analytics

Minds & Machines at GE Aviation Flight Efficiency Services...improving how airlines fly their planes



+ Fleet Synchronization

"Let's implement full ops efficiency"



+ Navigation Services "Partner with me to increase efficiency"



+ Fuel and Carbon

"Let's find and implement fuel saving programs"



+ Austin Digital

"Let's measure and track safety & fuel procedures"



Average Cost <u>Increase</u> = 2300 kg / hold



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Wrap up

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competition

In summary

- Great GE business that invests & delivers
- Unprecedented installed base ... and growing
- Investments in all segments securing product positions
- Unprecedented services backlog ... and growing
- Minds & machines enhancing customer productivity
- A commitment to technology leadership
- Culture of simple, competitive cost structure



