GE Global Research Stifel 2015 Industrials Conference

Mark Little June 16, 2015

Forward-Looking Statements:

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," "would," or "target." Forward-looking statements by their nature address matters that are, to different degrees, uncertain, such as statements about our announced plan to reduce the size of our financial services businesses, including expected cash and non-cash charges associated with this plan; expected income: earnings per share: revenues; organic growth; margins; cost structure; restructuring charges; cash flows; return on capital; capital expenditures, capital allocation or capital structure; dividends; and the split between Industrial and GE Capital earnings. For us, particular uncertainties that could cause our actual results to be materially different than those expressed in our forward-looking statements include: obtaining (or the timing of obtaining) any required regulatory reviews or approvals or any other consents or approvals associated with our announced plan to reduce the size of our financial services businesses; our ability to complete incremental asset sales as part of this plan in a timely manner (or at all) and at the prices we have assumed; changes in law, economic and financial conditions, including interest and exchange rate volatility, commodity and equity prices and the value of financial assets, including the impact of these conditions on our ability to sell or the value of incremental assets to be sold as part of this plan as well as other aspects of this plan; the impact of conditions in the financial and credit markets on the availability and cost of GECC's fundina, and GECC's exposure to counterparties: the impact of conditions in the housing market and unemployment rates on the level of commercial and consumer credit defaults; pending and future mortagae loan repurchase claims and other litigation claims 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, which may be affected by GECC's cash flows and earnings, financial services regulation and oversight, and other factors; our ability to convert pre-order commitments/wins into orders; the price we realize on orders since commitments/wins are stated at list prices; customer actions or developments such as early aircraft retirements or reduced energy demand and other factors that may affect the level of demand and financial performance of the major industries and customers we serve; the effectiveness of our risk management framework; the impact of regulation and regulatory, investigative and legal proceedings and legal compliance risks, including the impact of financial services regulation and litigation; adverse market conditions, timing of and ability to obtain required bank regulatory approvals, or other factors relating to us or Synchrony Financial that could prevent us from completing the Synchrony Financial split-off as planned; 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, including obtaining regulatory approvals and the specifics of any approvals for announced transactions, such as the proposed transactions and alliances with Alstom, Appliances and Real Estate, and our ability to realize anticipated earnings and savings; our success in integrating acquired businesses and operating joint ventures; the impact of potential information technology or data security breaches; and the other factors that are described in "Risk Factors" in our Annual Report on Form 10-K for the year ended December 31, 2014. These or other 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.

This document also contains non-GAAP financial information. Management uses this information in its internal analysis of results and believes that this information may be informative to investors in gauging the quality of our financial performance, identifying trends in our results and providing meaningful period-to-period comparisons. For a reconciliation of non-GAAP measures presented in this document, see the accompanying supplemental information posted to the investor relations section of our website at <u>www.ge.com</u>."

In this document, "GE" refers to the Industrial businesses of the Company including GECC on an equity basis. GE Capital or GECC refers to the financial services businesses of the company. "GE (ex-GECC)" and/or "Industrial" refer to GE excluding Financial Services."

GE's Investor Relations website at www.ge.com/investor and our corporate blog at www.gereports.com, 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.





Spending = \$5+B/year

GE Global Research THE TECHNOLOGY DEVELOPMENT ARM FOR GE

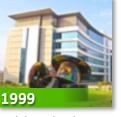
CLASS!

- First U.S. industrial lab
- Market-focused R&D
- One of the world's most diversified industrial research organizations
- Leading a team of ~50K world-class engineers

GLOBAL RESEARCH NETWORK ... ALWAYS ON



Global Research Headquarters Niskayuna, NY



Welch Technology Center Bangalore, India



China Technology Center Shanghai, China

+ 3 Customer Innovation Centers



Global Research Europe Munich, Germany 2X Size + Customer Innovation Center



Advanced Manufacturing and Software Technology Center Detroit, MI





Brazil Technology

Center, Customer

focused R&D Rio de Janeiro, Brazil



Software CoE San Ramon, CA



Israel Technology Center Tirat Carmel, Israel

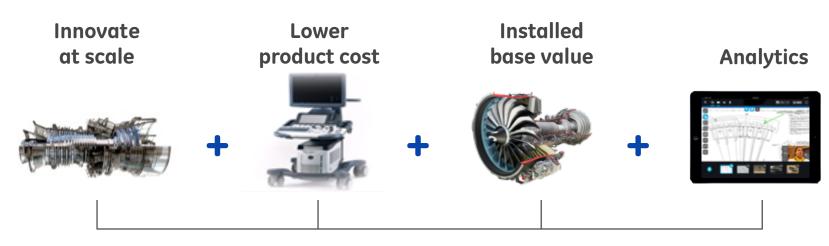


O&G Tech Center Oklahoma City, OK



Win with Technology





Gain share

- LEAP ... 79%^{-a)} share, +15% efficiency
- H-turbine ... world's largest & most efficient gas turbine; 15 in backlog + 30 technical selections
- Tier 4 ... 1,355 locos ordered in '14^{-b)}; only qualified product

Improve margins

- Advanced manufacturing ... CMCs, 3D, service value
- Design & testing ... Greenville test stand
- Vertical integration ... \uparrow GE content, \downarrow sole source
- Brilliant Factory

Grow services

- Predictivity[™] revenue of \$1.4B in '14
- Increasing global presence & value in the aged fleet
- '14 Services Op profit ~32%

How Technology wins ... GE Advantage



(a- 79% market share to date: 55% on A320neo & 100% for 737MAX; LEAP is a trademark of CFM International a 50/50 JV between GE & SNECMA.

(b- Tier 4 compliant orders

The GE Store for Technology



AVIATION Advanced materials/ manufacturing & engineering productivity

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TRANSPORTATION

Engine technology

& growth market

localization

POWER & WATER

Combustion science & services installed base



APPLIANCES & LIGHTING

LED is gateway to energy efficiency



HEALTHCARE

Diagnostics technology, software & firstmover in growth markets GLOBAL RESEARCH CENTER



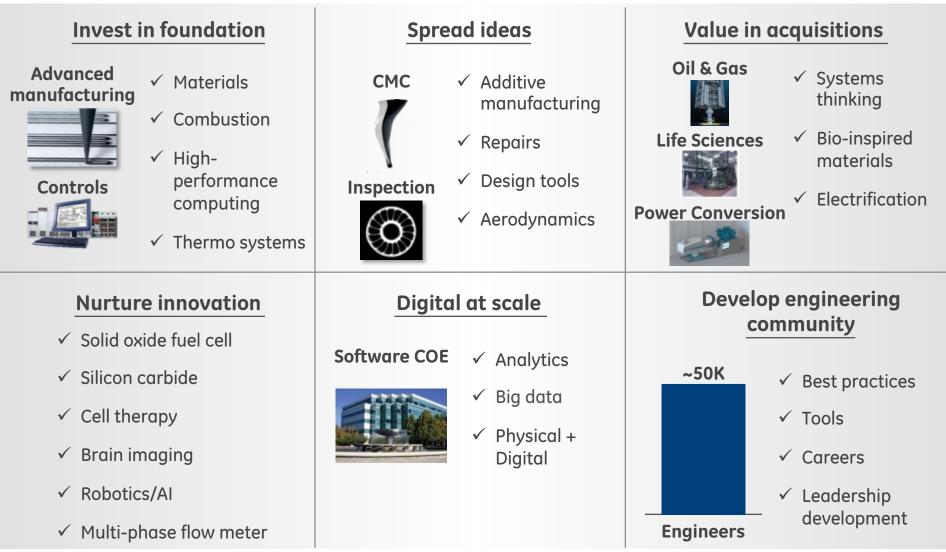
E.

ENERGY MANAGEMENT Electrification, controls & power conversion technology OIL & GAS

Services technology & first mover in growth markets

DRIVING TECHNOLOGY ADVANTAGE ACROSS OUR BUSINESSES

GRC role in GE Store





Accelerating innovation through collaboration



Indian Institute of Technology



GE 50,000+ technologists

VENTURE CAPITAL

•Health care •Energy •Software •Advanced mfg. OPEN COLLABORATION

Challenges

- Eco/Healthy3D printing
- Flight

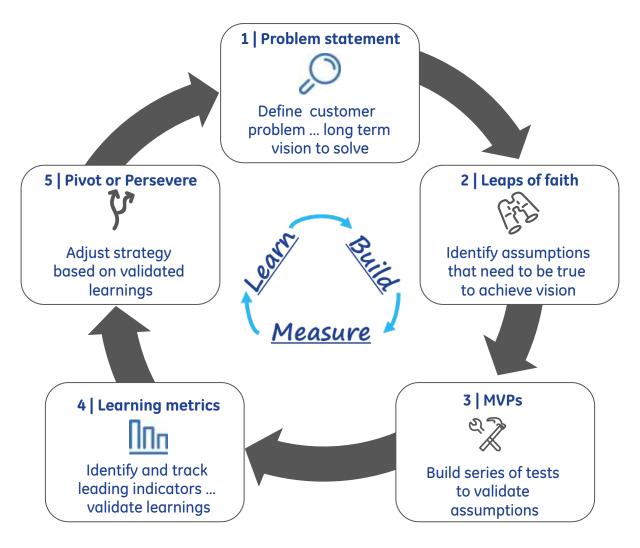
healthymagination ecomagination IN COUNTRY, FOR COUNTRY + CUSTOM INNOVATION CENTERS



Q

quirky

The FastWorks Framework EXPERIMENT... LEARN... ITERATE





What's Next Six areas of research that will ignite the future

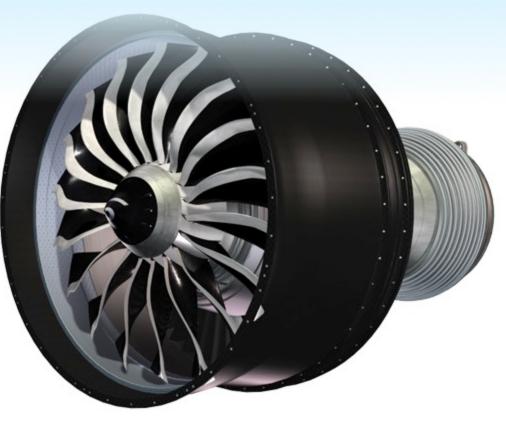






*CFM LEAP...not just any new product introduction

- First engine fired two days ahead of schedule
- Achieved max thrust
- 15,000 parts...3,000° F temps
- Composites, ceramics, super alloys
- 3D printed fuel nozzles
- Clearances ¼ thickness of a human hair

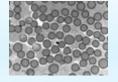


*CFM is a 50/50 JV between GE and Safran.

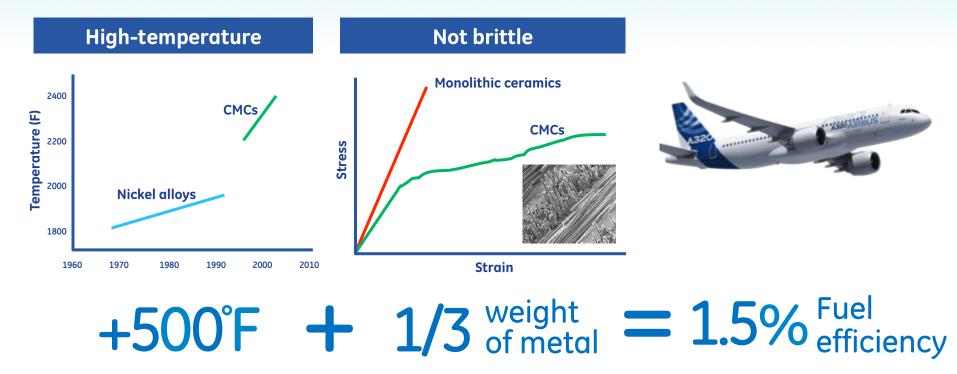


Super materials ... ceramic-matrix composites

CMCs are silicon carbide fibers in a silicon carbide matrix



Diameter of a human hair





Extreme machines: GE "store" for subsea

SOFTWARE CENTER

Smart BOP and advanced controls



MEASUREMENT & CONTROL

Leak detection and multiphase flow measurement

POWER & ... WATER Water injection and processing

TURBO MACHINERY Pumps and compressor technology

ENERGY MANAGEMENT

Power transmission and distribution

SUBSEA SYSTEMS

Subsea production equipment and services

AVIATION Valve coatings and advanced materials

HEALTHCARE Diagnostic software imaging

GLOBAL RESEARCH CENTER

Flow assurance and advanced riser technology



USING THE ENTIRE COMPANY TOOLKIT ... SOLUTIONS FOR CUSTOMERS

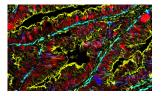
Mapped minds: Brain health

Trends

Normative Science

Understanding the brain at multiple scales

Multi-scale data integration and analytics

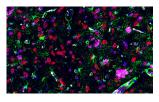


Scale of the human genome project

<u>Disease</u> <u>Understanding</u>

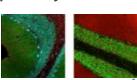
Common disease mechanisms and pathways

Brain stimulation and implants



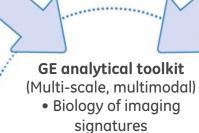
Common solutions for TBI, AD, PD, etc.





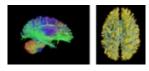
pathways

Common disease solutions



- Radiogenomics
- Multi-scale data analytics

Macro level brain structure and function



Advanced human imaging

Meso level brain network mapping Neural Recording (Dr. Donoghue) GRC microelectronics technologies

Collaborative ecosystem is key to finding a cure



Life Sciences: a biological factory INDUSTRIALIZED AND AUTOMATED FOR CELL THERAPIES

QUALITY ASSURANCE/QUALITY CONTROL



ADVANCED MANUFACTURING FOR HEALTHCARE ENABLES WIDESPREAD ADOPTION OF CELL THERAPIES



Revolution[™] CT – Platform for the future with uncompromised clinical performance



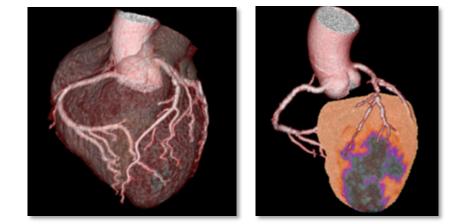
KEY GLOBAL RESEARCH TECHNOLOGIES

Image reconstruction:

SnapShot Freeze™

Spectral imaging:

• Gemstone[™] Detector



CLINICAL/PATIENT VALUE

Safety:

Routine low radiation dose

Improved outcomes:

- 1-beat cardiac
- Tissue characterization



Energy everywhere

Growth in emerging countries



Investments in O&G industry



Need for cleaner energy



Increased gas availability



Need for fast, scalable & financeable solutions

Power & Water: HA turbine technology

Lower OPEX	Industry-leading efficiency & maintenance costs	
Lower CAPEX	Largest turbines with lowest \$/kW through economies of scale	
Simpler	No complexity and cost of steam cooling and designed for plant constructability	
Most Flexible	Industry-leading operating flexibility start times, ramp rates, operating range	

5% lower lifecycle cost of electricity ... significant customer validation, building the HA order book



Distributed Power GE – FUEL CELLS ... OUR NEWEST "START-UP"

DISRUPTIVE TECHNOLOGY FOR POWER GENERATION

- 65% efficiency, 1-10MW Distributed Power solution ... best-in-any-class
- Clean energy ... Low GHG Emissions
- Hybrid solution ... 65% SOFC fuel cell, 35% GE Jenbacher

MARKET OPPORTUNITIES ... DELIVER POWER WHERE IT'S NEEDED

- Developing nations, remote communities
- Utility substations
- Industrial/Commercial centers (factories, data centers)
- Retrofit for customers with gas engines



Opened new pilot development facility in Aug. 2014

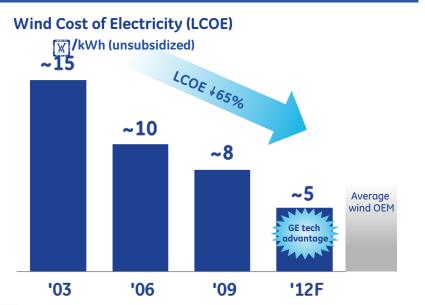


GE's Hybrid SOFC system



Renewables going mainstream

Competitive today



GE product advancements ...

- Turbine performance **†**50%
- Efficiency †35%+
- Availability 13 pts

Source: GE Marketing, Lazard

More competitive tomorrow



GRC technologies ...

- Controls to better manage performance...
 5% LCOE
- Improved blade aero/manage noise
- More efficient drivetrain and power electronics

Technology making wind more economic than ever

GE Brilliant Factory vision Creating the "digital thread"

Virtual Manufacturing Supply Chain Network

Fully-connected

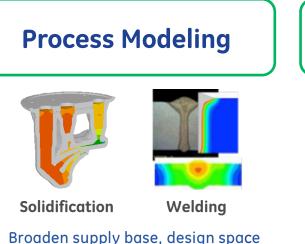
- Automated
- Never surprised
- "Factory that never stops"

Virtual Product Design

. Design feedback loop



Virtual Manufacturing



- Shorten NPI cycle time
- Quality... yield increase
- Costreduction

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Manufacturing Producibility

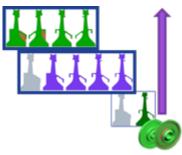
- Advisor tool *during* design
- Producibility, cost, capability
- Enables Design for Manufacturing
- Drives faster NPI
- Opens supply base



Design Producibility Advisors

Model-Based Manufacturing

- Engineering data to mfg. model Today:
 - ✓ Significant manual work
 - ✓ Long time to adapt NC to new part
- In-process models for machining
- Linked to engineering models
- Reusable libraries



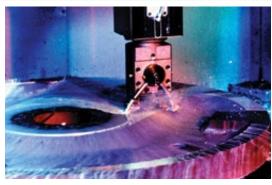
In Process Models

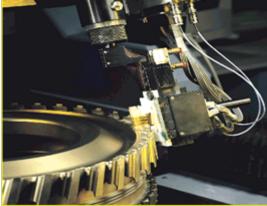


Inspection Technologies...Factory

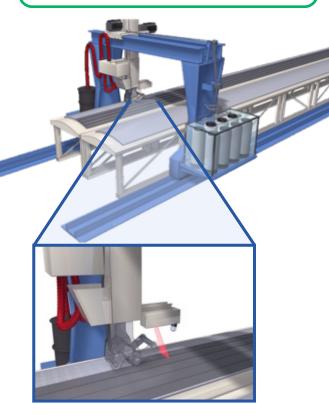
Real-time Adaptive Process Control & Feedback to Design on Part Cost & Quality

Inspection-Guided Manufacturing

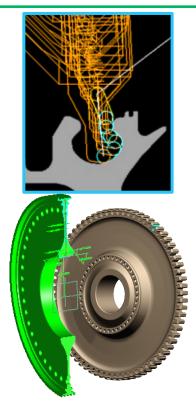




Real-time Adaptive Process Control

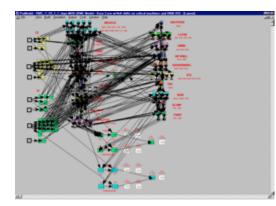


Part Quality & Cost Feedback



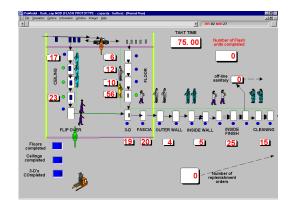
imagination at work

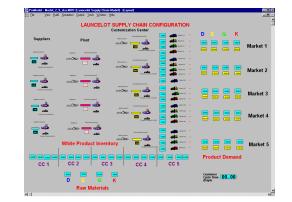
Factory & Demand-Side Analytics and Optimization



<u>Throughput, Expense,</u> <u>Fulfillment Capability</u>

Design & Decision Support for reliable capacity to meet demand and ID cost/quality opportunities





Inventory, WIP

Optimized material & labor at each process – throughput & timing as function of variation and interdependencies

Value Chain

Determine make/buy, plant locations, late point customization, inventory/ delivery to fulfill demand and lower cost

Operations Optimization: Engineering & Finance

3D printing ... complexity is free

- 300+ 3D printing machines in use across the company
- Developing parts for Aviation, Oil & Gas, Healthcare, Power & Water and other GE businesses
- Will print more than 100,000 parts for Aviation by 2020



*CFM's LEAP Engine ...

1st jet engine with 3D printed parts

World largest user of additive technologies for metal



INDUSTRIAL INTERNET

What happened when 1B people became connected?

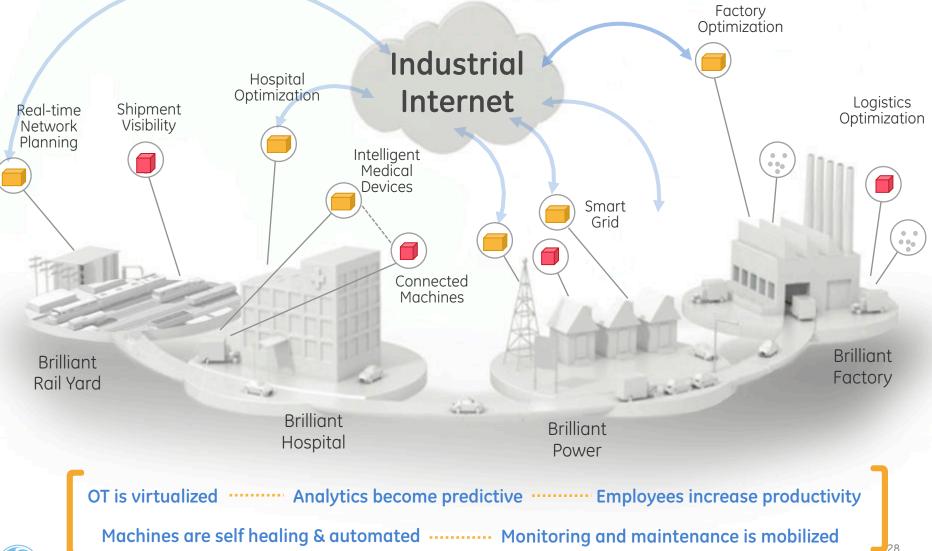
Social marketing emerged Communications mobilized

Consumer Internet

IT architecture virtualized Retail & ad transformed

Entertainment is digitized

What happens when 50B Machines become connected?





Physical + digital

These drivers are a doorway to endless outcomes



Software & Analytics

Combining the power of physics- based analytics, predictive algorithms & deep domain expertise



Intelligent Machines

Increasing system intelligence through embedded software to connect facilities, fleets & networks



Big Data

Generating data-driven insights & enhancing asset performance



People at Work

Connecting people to support more intelligent operations, maintenance & safety

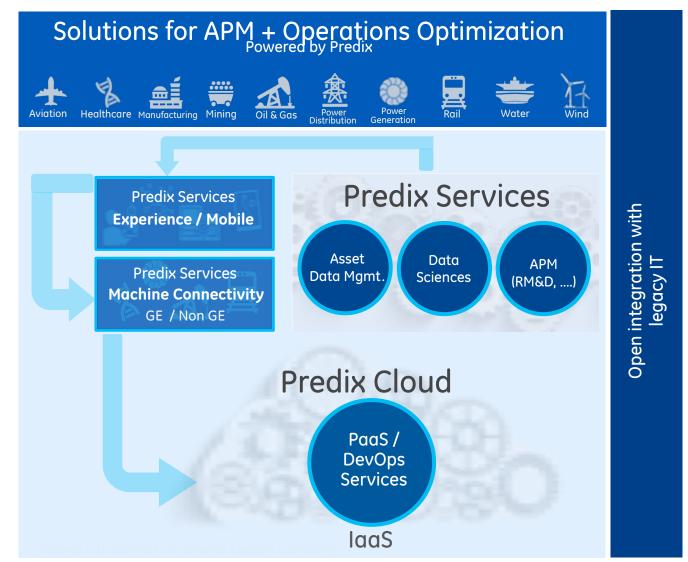
The Industrial Internet

The merging of the physical and digital worlds enables machines talk to machines, systems and people so that they can perform better, faster, safer, and more reliably.



Predix*

A developer-centric platform for the Industrial Internet

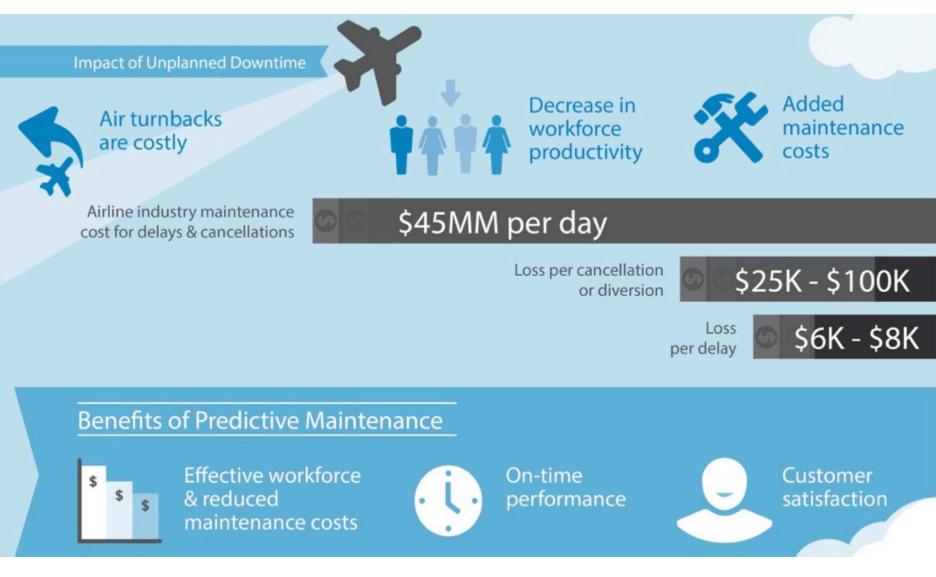


GE Industrial Internet Controls System Driven by safety, reliability and performance **GE Cloud** Create 1. Controls asset behavior Configure 2. Provides safety & security Analytics Deploy & APM 3. Bridges digital & physical OPERATE 4. Hosts critical control apps Predix Real-Machine Time Control Communication 1. Cloud gateway SAFE & COOPERATIVE 2. User experience gateway 100 **GE Machines** 3. Security & SW upgrades 4. Hosts fleet level, non-**Actuators** critical apps Sensors Brings scale of GE capability



Predix-ready platform

Predictivity + aviation





Technology leadership

(\$ in billions)

