

GE Minds & Machines



Jeff Immelt
October 9, 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," "see," "will," "would," or "target." Forward-looking statements by their nature address matters that are, to different degrees, uncertain, such as statements about 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: current economic and financial conditions, including interest and exchange rate volatility, commodity and equity prices and the value of financial assets; the impact of conditions in the financial and credit markets on the availability and cost of General Electric Capital Corporation's (GECC) funding and its 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 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, 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; 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 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 announced transactions, such as the proposed transactions and alliances with Alstom, 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, 2013. 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. This document may also contain 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 www.ge.com. In this document, "GE" refers to the Industrial businesses of the Company including GECC on an equity basis. "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.

Summary

Execution in 2014

Status

- | | |
|--|---|
| + Execute on financial framework | On track |
| + Achieve 75% Industrial by 2016 & grow EPS | + Alstom
- Appliances
- Synchrony IPO |
| + Invest in restructuring to drive Industrial earnings | ✓ \$4B+ since 2012
✓ 2014 restructuring > gains (~\$.09) |
| + Disciplined & balanced capital allocation | ✓ Dividend +16%
✓ Synchrony split ... shares to <9.5B |

A different company

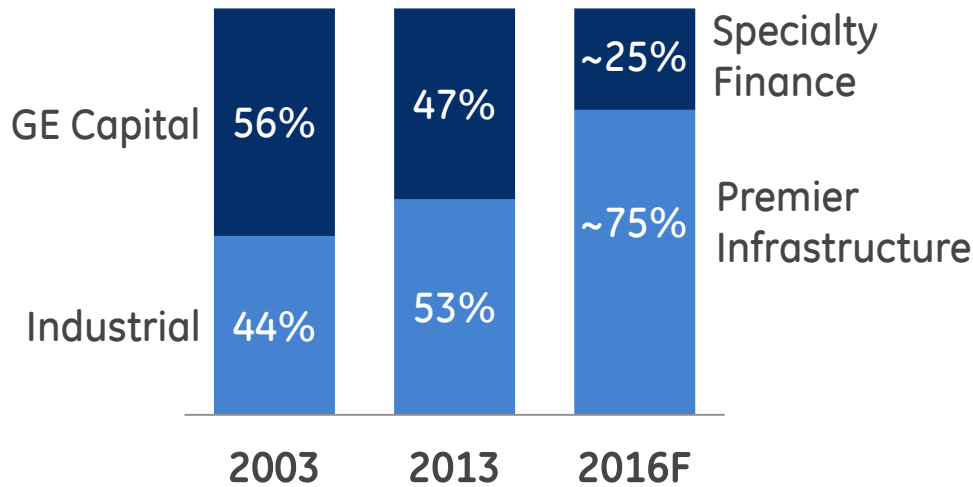
- 1 Much better portfolio
- 2 Tangible technology advantage
- 3 Superior global position
- 4 Way ahead on analytics
- 5 Culture of simplification



Portfolio transformation

GE earnings mix

(Operating earnings^(a))



Actions taken

Rebuild Industrial

Dist. Power	Water
Life Sciences	Av. Systems
Renewables	Power Conv.
Oil & Gas	Services + IT

Divest

Media	Insurance
Plastics	Reinsurance
Silicones	Global consumer
Supply	Red assets
Appliances	

Actions taken in 2014 ...

ALSTOM



- ✓ Acquiring Power & Grid
- ✓ Strong synergies
- ✓ Targeting close in '15



GE Appliances



- ✓ Sale to Electrolux for \$3.3B
- ✓ Continued use of GE brand
- ✓ Targeting close in '15

synchrony FINANCIAL

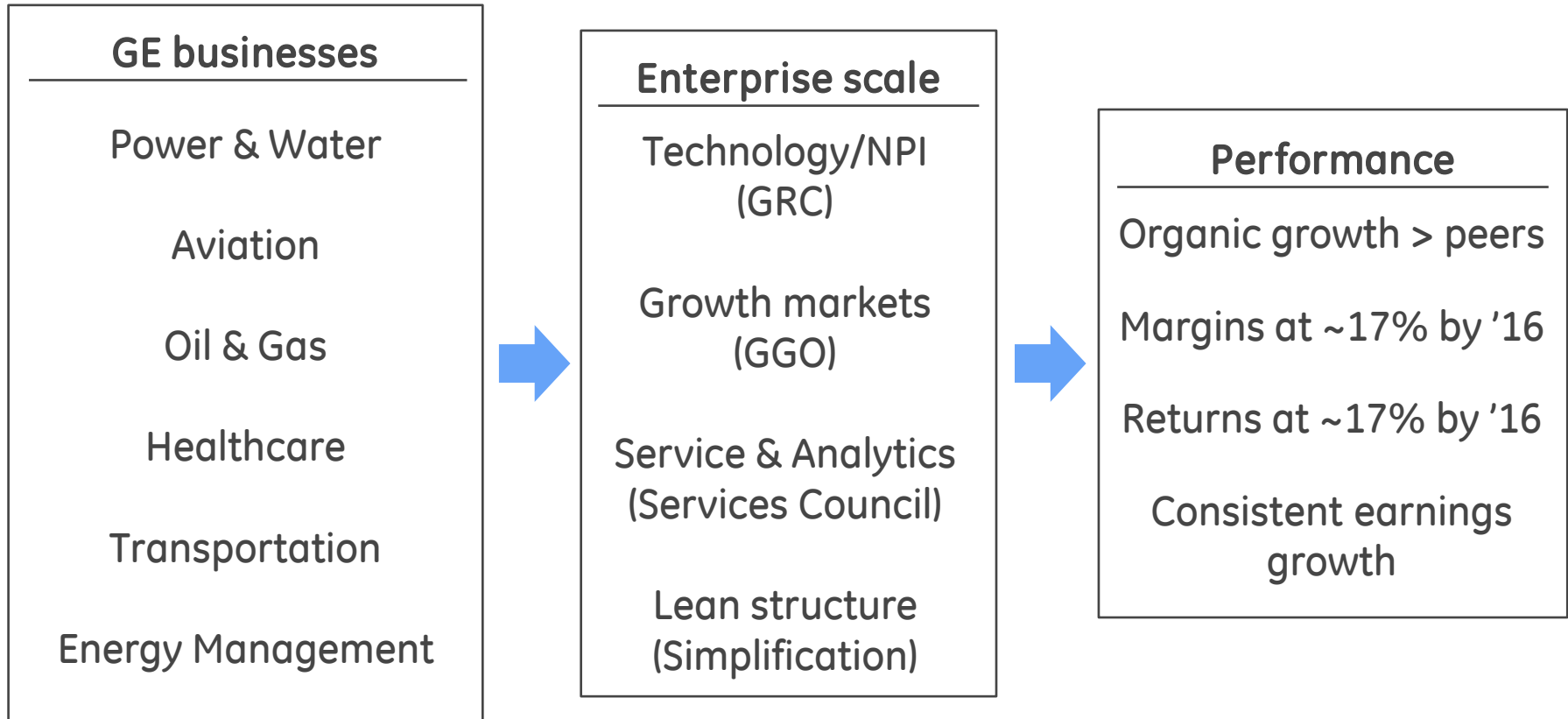


- ✓ Completed 15% IPO in 3Q
- ✓ Well received by market
- ✓ On track for split-off



(a- Continuing earnings adjusted for non-operating pension income/(expense) in 2003 and 2013 of \$1.6B and \$(1.7)B respectively

GE Industrial enterprise advantages



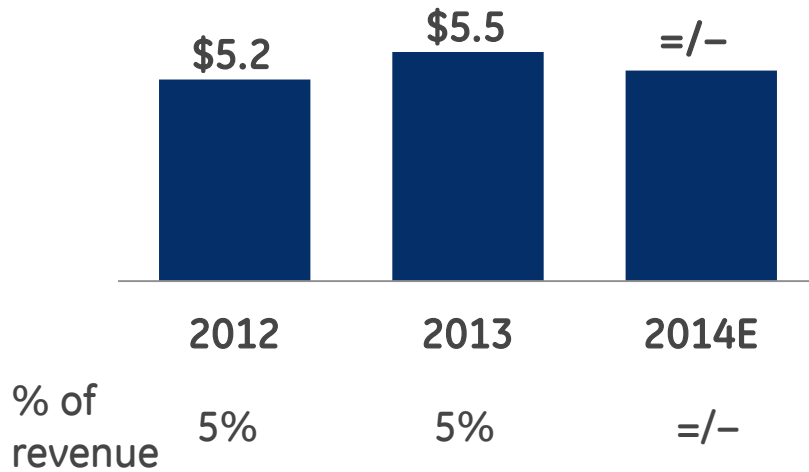
All businesses benefit from GE's enterprise scale



Leadership in technology

(\$ in billions)

R&D spend



- ✓ Best-in-class next gen products
- ✓ Advanced manufacturing solutions to grow margins
- ✓ Leadership across core & new product markets

Key wins

HA gas turbine



World's largest & most efficient H-class ... 61.4% in combined cycle; 13 units in backlog

Tier 4 loco



First to market ... 1,000+ Tier 4 compliant locos on order for 2015+

LEAP



Won 77% of all narrowbody competitions since launch

20k psi



Industry's first 20,000-psi ... reliable performance in ultra-deep water

Revolution CT



Image quality & capability from low dose

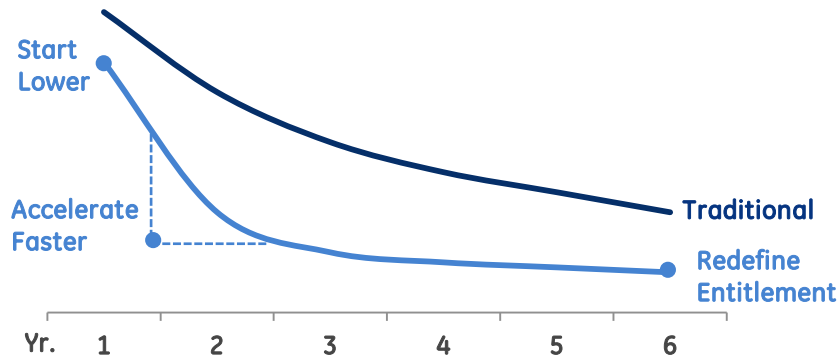
FastWorks driving speed & efficiency



Innovation for cost & speed

Aviation product cost

Changing the traditional learning curve

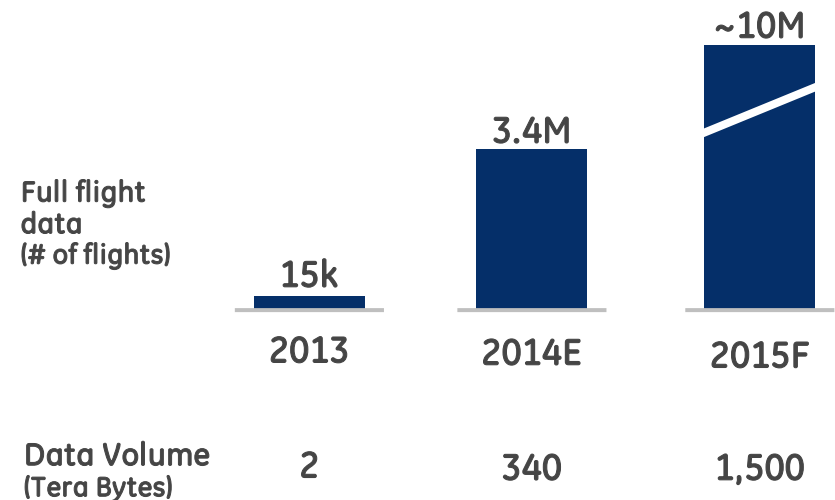


Product cost focus areas

- ✓ Lean labs & additive technology
- ✓ Data in the factory
- ✓ Services delivery cost
- ✓ Sourcing relationships/make vs. buy
- ✓ Footprint and organizational focus

Driving cost ↓ with analytics

GE's analytics advantage ...



Segment by severity of operations + Segment by part performance = Customized maintenance cycle

Scalable across other businesses

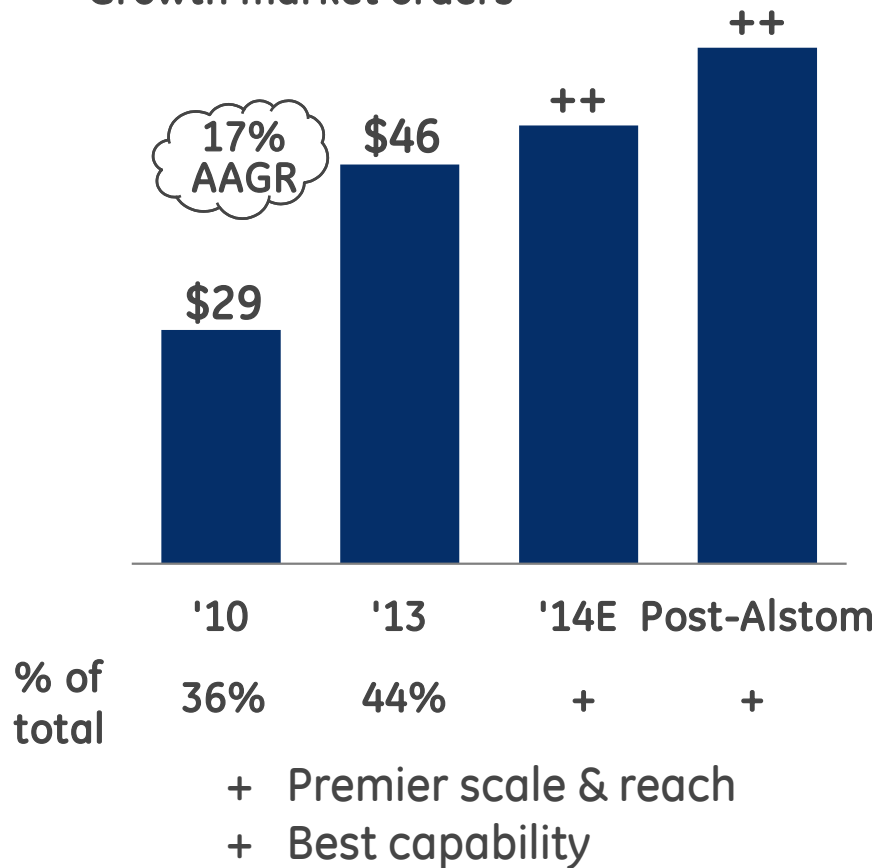


Accelerating in growth markets

(\$ in billions)

Driving growth

Growth market orders



Strategic imperatives

- 1 Be first mover in localization
 - ✓ Plant new flags
- 2 Invest in local capability
 - ✓ Leadership
 - ✓ Manufacturing strength
 - ✓ GRC & innovation
 - ✓ Customer support
- 3 "Connect the dots" of GE
 - ✓ Healthcare & Oil & Gas lead
 - ✓ Every facility "multi-product"
 - ✓ Best partners, brand & risk management
 - ✓ Financing knowledge



Simplification



Lean management

Do fewer things better ... with less structure

World-class structural cost

+

Speed & competitiveness

Get faster & smarter & more efficient in everything we do using FastWorks

More NPI faster with less investment

+

Commercial intensity

Connect every job to winning in the market while empowering the commercial team & holding them accountable

Global market success

+

Digital capability

Modernize our information technology so we can achieve the speed & efficiency our scale should allow

Accelerate margin enhancement

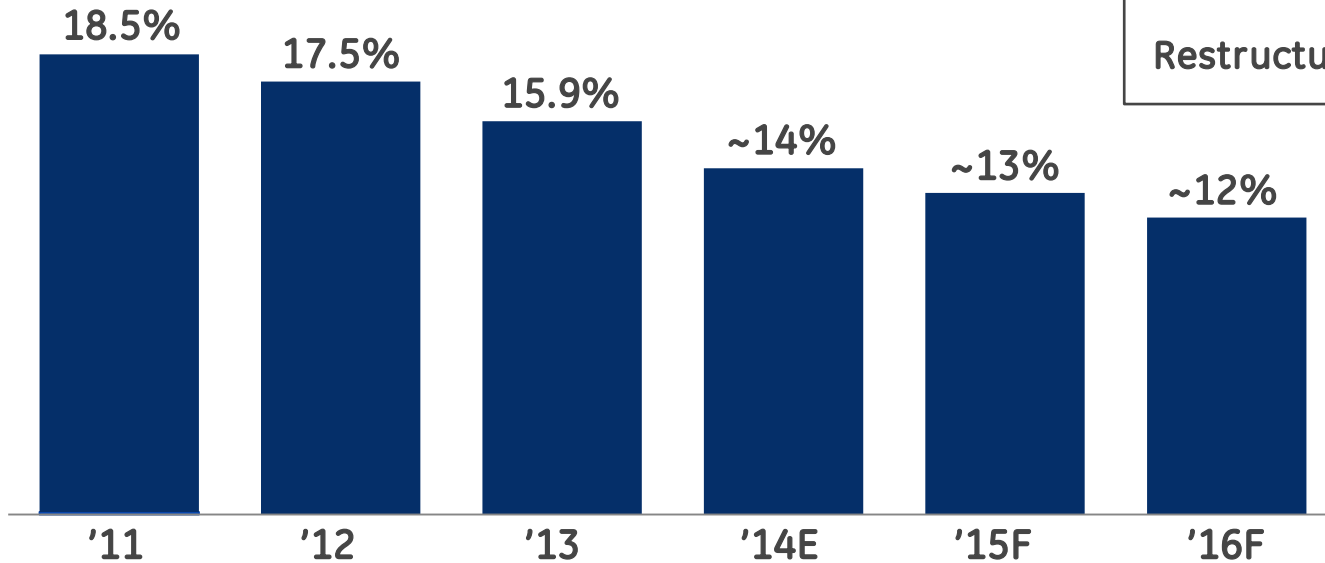
World's most competitive company



Lower cost

(\$ in billions)

Industrial SG&A % sales



'12-'14E investment

Gains ~\$2.5

Restructuring ~\$(4.3)

Enablers:

ERP
↓
90%
reduction

Shared services
↑
65%
penetration

Corporate
↓
\$500MM
cost out

+

of P&Ls



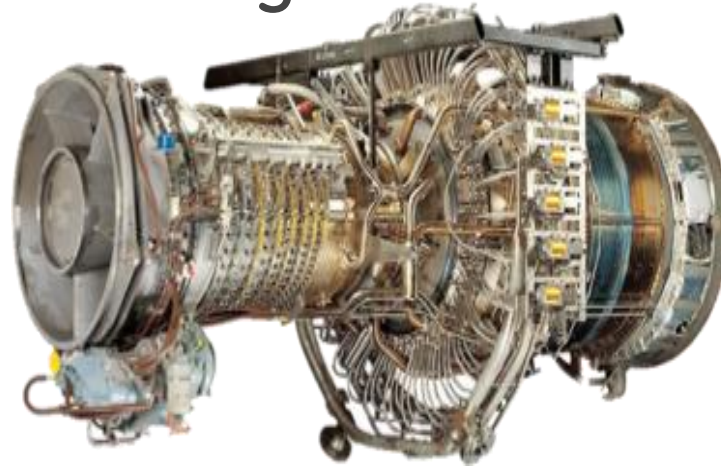
Layers/span



Product cost



Technology is evolving



PHYSICAL

Multiple materials in complex systems... hundreds of patents in each product

Operating with high efficiency & durability in extreme conditions



ANALYTICAL

1 gas turbine compressor blade monitoring potential: 500 gigabytes per day



Key messages

- 1 Combination of physical & analytical drives next evolution of services
- 2 Customers will value data because it improves their efficiency
- 3 GE is well positioned to lead this wave of change
- 4 Investors will benefit through services growth & margins + product share + IT-driven efficiency



Transforming services

Big iron

80's



- Partners & field technicians

Repair

90's



- Science applied to repairs & upgrades

CSA

00's



- Risk sharing service contract

Analytics

Today



- Asset & operations optimization

Driving customer outcomes

	Power of 1%	Annual impact ^{a)}
Airlines	1% fuel	\$2-3B
Utility	1% fuel	\$4-5B
Oil & Gas	1% uptime	\$5-7B
Healthcare	1% productivity	\$4-5B
Transportation	1 mile velocity	\$1-2B

Small changes in ... fuel, maintenance, uptime, productivity, flexibility, safety, labor effectiveness ... have a big impact on profitability



GE leadership

What it takes to win

GE advantages

Installed base



- Connected IB
- Physics/materials
- Smart devices
- Global reach



- ✓ Large high-tech installed base
- ✓ Customer trust & connection ...
~\$180B services backlog
- ✓ Deep domain knowledge

Have

+

Enabling technologies



- Sensors
- Service robotics
- Connectivity



- ✓ Large research capability
- ✓ Industry partnerships
- ✓ Collecting 50MM data elements

Have

+

Data & analytics



- Software capability
- Industrial big data
- Operating platform
- Security



- ✓ Attracting new talent ...
"horizontal capability"
- ✓ Connecting domain & data ... CSA
- ✓ Operating platform in place (Predix™)

Investing



GE has all essential elements

Improving the service model

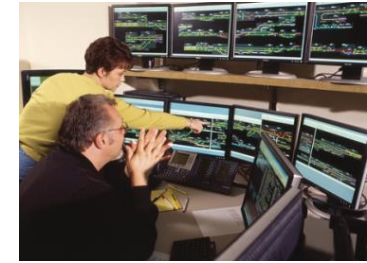
Asset optimization



Operations optimization



CSA productivity



Focus of innovation

Maximize performance with no unplanned downtime

Increased system efficiency across GE & non-GE assets

Optimize material & repair cycles across IB

How we execute

CSA revenue + Connected asset value (\$/IB) + Software/outcome sales

Data-driven execution

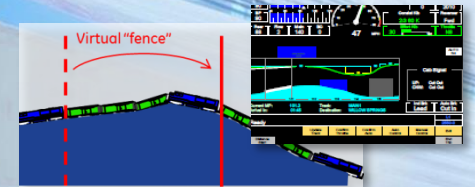
Investments 2010-14

- 1 Make versus buy ... build internal team
- 2 Launch new offerings ... Predictivity™
- 3 Build on existing CSA relationships ... “win-win”
- 4 Develop a broader ecosystem



Asset performance management

ADVANCED CONTROLS



Auto Train Operation
✓ 10% fuel savings

SERVICE ROBOTICS



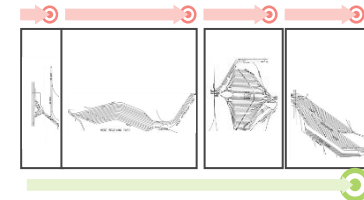
Productivity, safety
✓ Remote monitoring
✓ Tough environment

SENSORS/ANALYTICS



On-site oil analysis
✓ Predict remaining life
✓ Prevent road failures

AUTOMATED DECISIONING



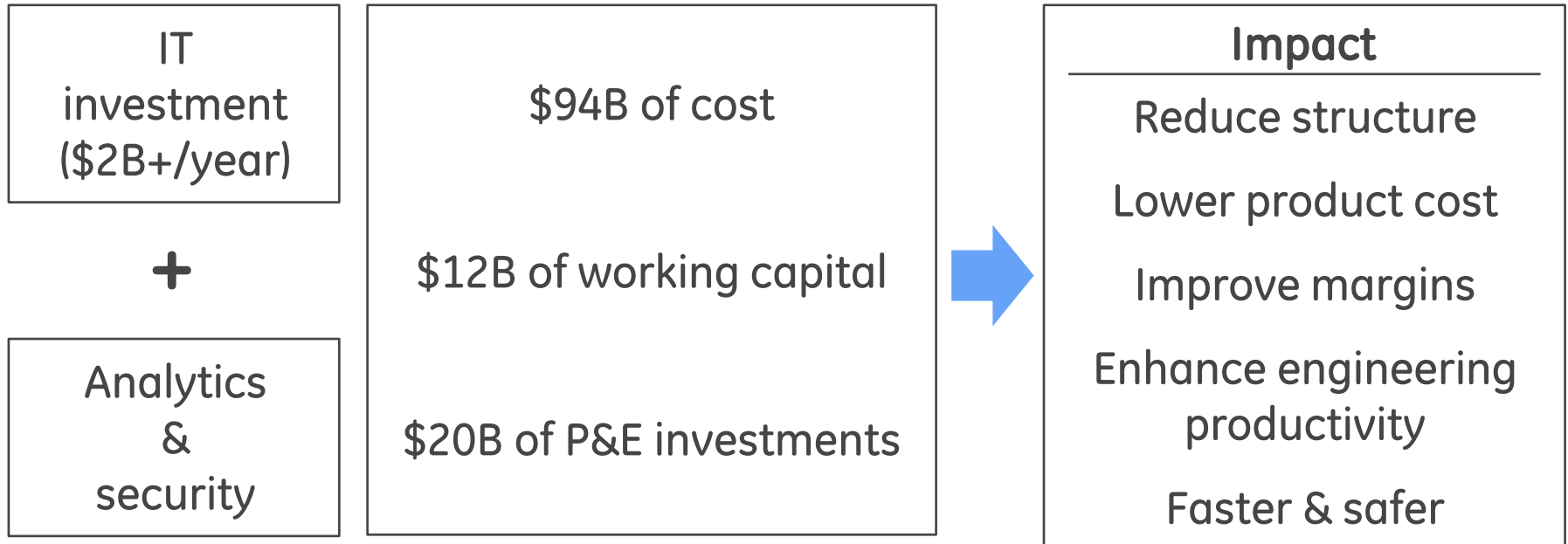
Optimize yard ops
✓ Reduce dwell 10%
✓ Depart on time up 50%

**Impact: for GE ... \$/IB, productivity;
for customers ... velocity, productivity**



Impacting GE's 1%

GE's 1%

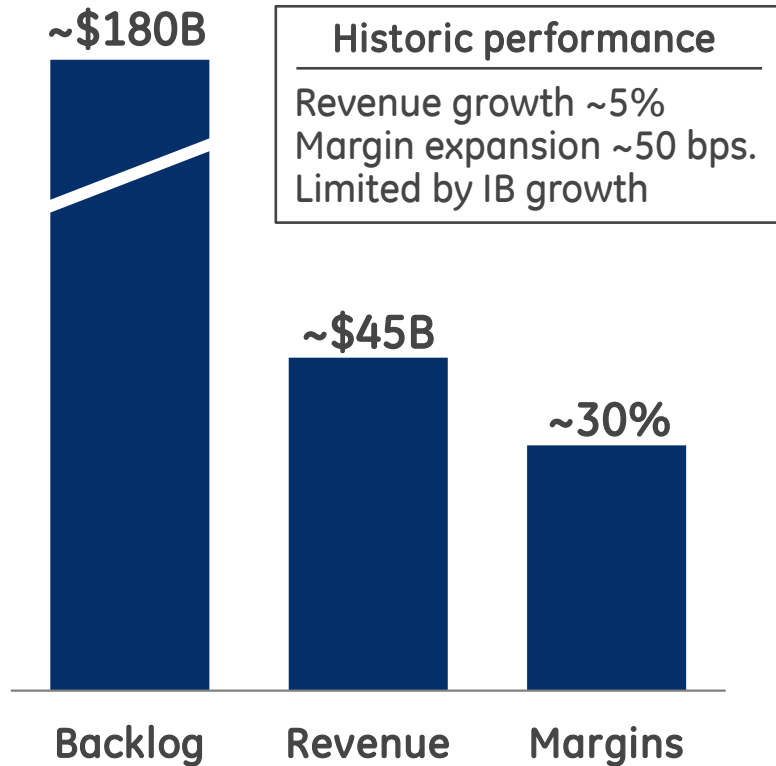


Every Industrial company → a Software & Analytical company



Investor value

Services franchise



+

Value creation

- 1 Increase services growth rate**
 - + More \$/installed base
 - + \$0.8B Predictivity™ solutions revenue growing to \$4-5B
 - + Penetrate aged GE fleet
 - + Grow beyond the GE IB
- 2 Improve services margins**
 - + CSA productivity
 - + Improve quality
- 3 Potential for industry value**
 - + Scale beyond GE installed base

Software & analytics accelerate services growth, margins, & returns



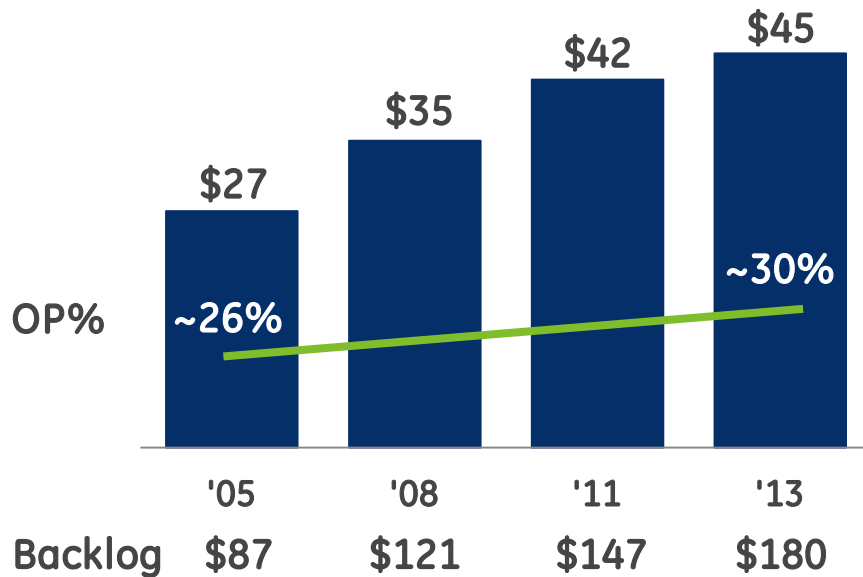
Services overview



Services growth

(\$ in billions)

Revenue



GE advantages

- + Installed base
- + Technology
- + CSA model
- + Footprint & scale
- + Software COE
- + Fleet data

Services imperatives

- 1 Deliver on customer value**
 - + Link services to outcomes
 - + Global deployment
- 2 Grow \$/installed base**
 - + Drive analytics & Predix™ value
 - + Penetrate aged installed base
- 3 Expand margins**
 - + Leverage analytics to manage performance
 - + Invest in productivity tools
- 4 Improve service execution & delivery**
 - + Enhance commercial capabilities
 - + Increase field services capability
- 5 Spread ideas across GE**



Services Council

Cross-business initiatives

Hardware & domain expertise

- Core growth
- Operations
- Tools + process
- CSA excellence

Data
+
Outcomes

Software/ analytics based

- Predix™ + Cloud
- Predictivity™ solutions
- Strategic alliances + BD

- ✓ 20+ services leaders
- ✓ Teams aligned to 9 themes
- ✓ Quarterly executive updates ... operational rigor

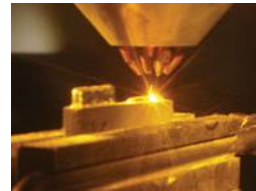
Spreading ideas ...

Healthcare → Inspection technology



- Parts inspection & measurement
- Condition-based maintenance

Aviation → Repair technology



- Additive manufacturing
- Robotic welding
- Advanced coatings

Power & Water → Global footprint



Pune, India

- Multimodal – service & repair shops
- Customer training centers

Driving differentiated advantage



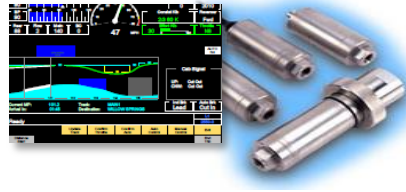
Enabling technologies

Service Robotics



- Productivity, safety
- + Repetitive tasks
- + Tough environment

Sensing & Controls



- High tech, integrated
- + Lower fuel usage
- + Higher efficiency

Advanced Manufacturing



- Automated, adaptive
- + Productivity
- + Less downtime

Inspection



- Deployable, fast, accurate
- + More digital data
- + Less downtime

Repair



- Additive, new materials
- + Repair vs. scrap
- + Longer service life

Mobile Tools



- Connected, digital
- + Instant expert access
- + Lower service costs

Launch & learn ... then accelerate to all GE businesses



Increase value of CSA

**\$180B
Services backlog**

Benefits for Customers

Monitoring & diagnostics



- ✓ Optimized asset performance
- ✓ Predictive analytics – lower downtime

Fuel efficiency



- ✓ More output
- ✓ Lower costs
- ✓ Lower emissions

Hardware & software upgrades



- ✓ Better payback on hardware upgrades
- ✓ Instant software upgrade capability



Benefits for GE

Condition-based work scope



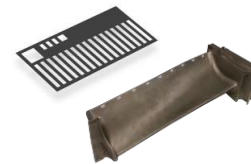
- ✓ Shorter duration outages
- ✓ Less material usage

Mobile & analytical tools



- ✓ Ask an Expert – COE
- ✓ Field Service productivity

Material productivity

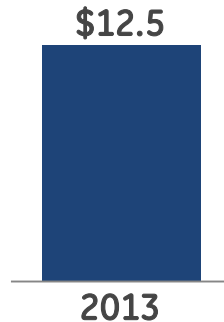
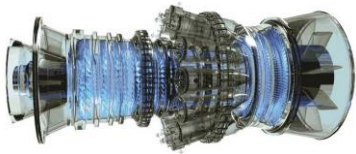


- ✓ Analytics driven parts life extension + performance
- ✓ Repair vs. scrap

Segment services dynamics

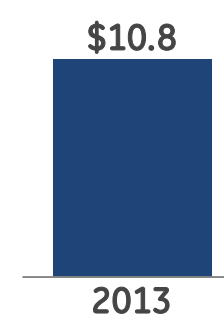
(Services revenue, \$ in billions)

Power & Water



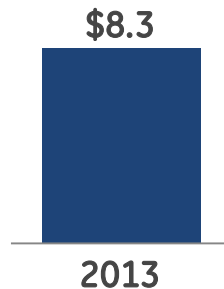
- + Continued AGP growth
- + Upgrades & analytics
- = Europe

Aviation



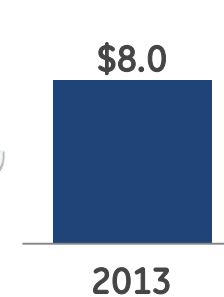
- + Sustained passenger growth
- + Improving airline profitability
- + Upgrades & analytics

Oil & Gas



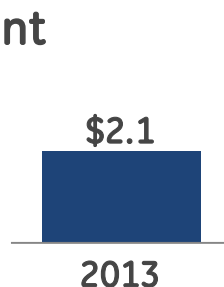
- + Strong Subsea
- + M&C improving
- + Analytics penetration

Healthcare



- + Growth markets strong
- + Improving HCIT
- Developed challenging

Energy Management



- + Marine offshore
- Mining & motor repairs

Transportation



- + North America utilization
- + Analytics penetration
- Mining parts



Presentation

Common capability:

Software COE
Analytics commercialization

Bill Ruh
Kate Johnson

Business execution:

Strategy overview
Customer outcomes
Examples of analytics
driving growth &
productivity
Competitive advantage

Power & Water
Healthcare
Aviation
Oil & Gas
Transportation

Paul McElhinney
Jan De Witte
Kevin McAllister
Brian Palmer
Pete McCabe

Common capability:

GE's 1%

Jamie Miller



Software & Predix™

Bill Ruh

- VP, Global Software Center
- 3 years with GE
- 32 years of industry experience

Kate Johnson

- VP, GE Commercial Officer
- 1 year with GE
- 15 years of industry experience



The Industrial Internet

1 Internet

Hyper connectivity: a living network of the world's machines, data & people

2 Brilliant Machines

Increasing system intelligence through embedded software ... advanced sensors, controls and software applications

3 Big Data

Democratization of data ... high frequency, real-time data

4 Analytics

Predictive algorithms ... physics-based analytics ... deep domain expertise on big industrial data

5 People at work

Connecting people at work or on the move; Supporting more intelligent design, higher service quality operations, & safety maintenance



Software outlook

Opex is becoming a deciding factor for IT investments as 80% of budget is allocated to managing and running complex technologies.

Source: Gartner

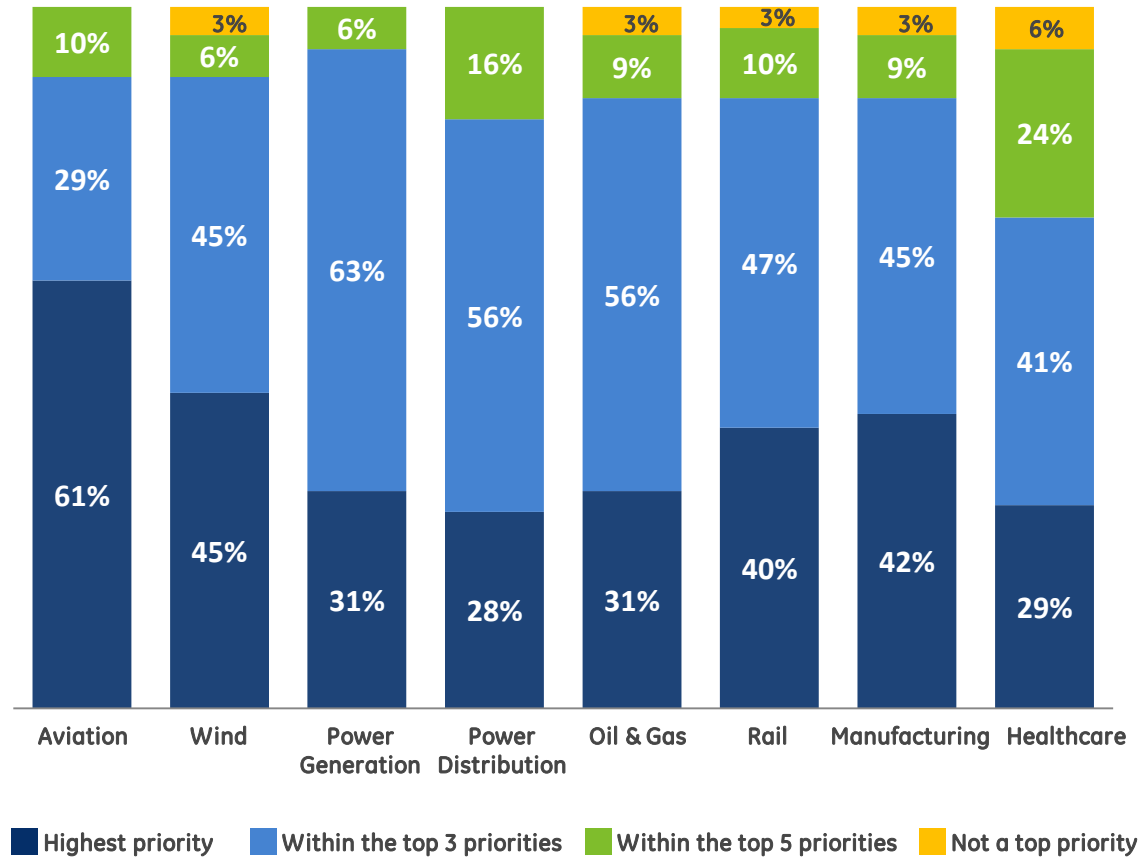
Advanced analytics and analytical applications expected to see double digit revenue growth.

Source: Gartner

APM market category expected to reach \$300B by 2020.

Source: Gartner

Customer survey: Importance of Big Data analytics relative to other priorities



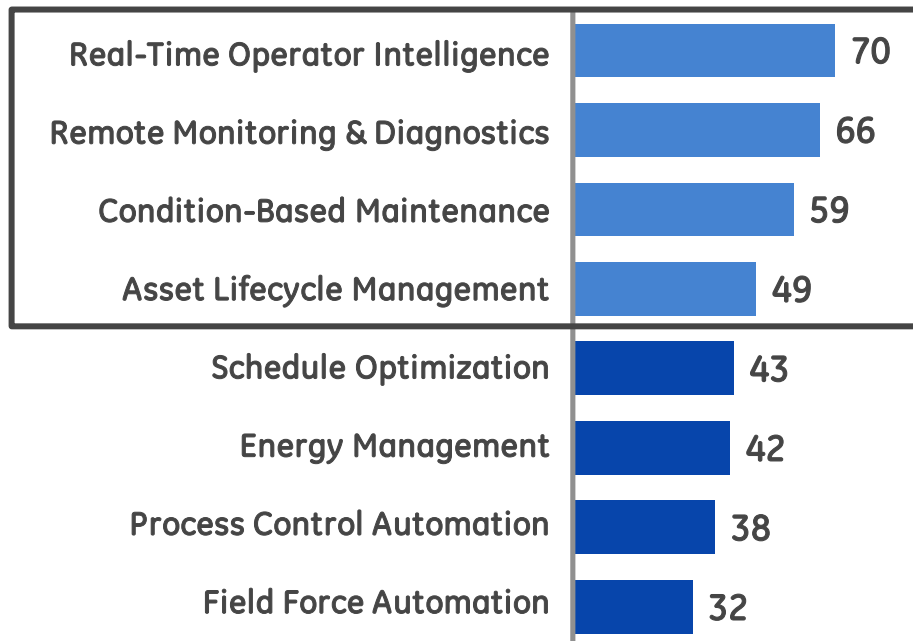
Source: Accenture 2015 Trend Report, Gartner Big Data Survey



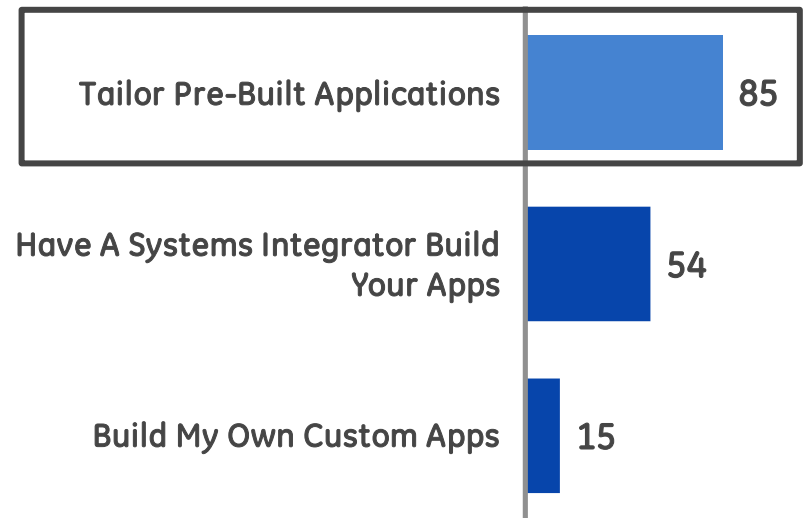
Industrial customers' perspective

Survey of GE's customers regarding applications

WHAT functionality is most valuable?



HOW do you want to consume it?

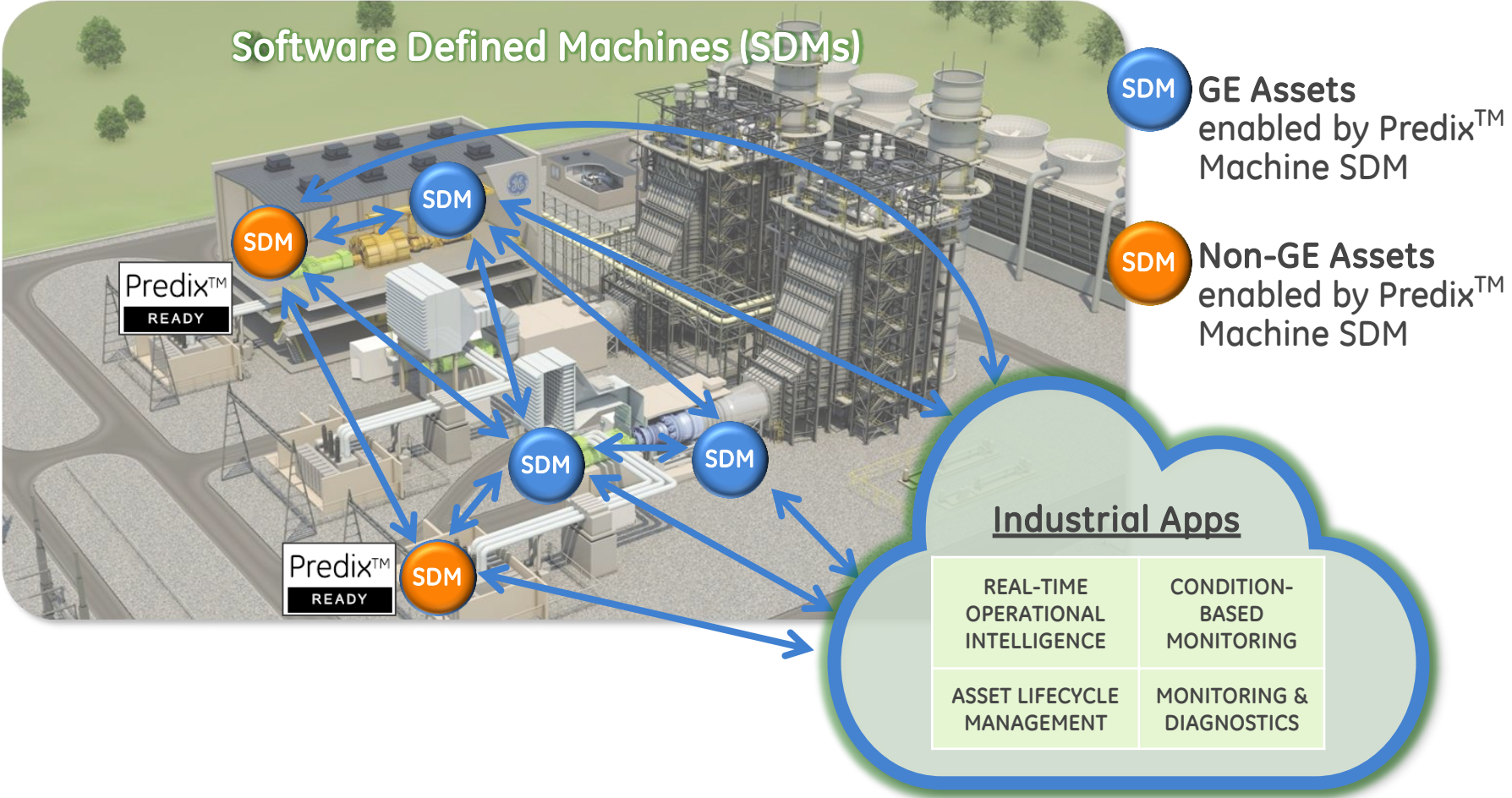


Asset performance management is *the* killer industrial app



What industrial customers want

“Link up all my assets and devices”



Predix™ powers Asset Performance Management (APM)



Predix™ ... the GE advantage

Predix™ Platform

Predix™ Experience



Predix™ Machine

Predix™ Net

POWERS



Predix™ Asset

Predix™ Insight

Predix™ Core

Predix™ Fabric

Private Cloud

Public Cloud

Predictivity™ Solutions

Asset Performance Management (APM)

REAL-TIME OPERATIONAL INTELLIGENCE

CONDITION-BASED MONITORING

ASSET LIFECYCLE MANAGEMENT

MONITORING & DIAGNOSTICS

TRANSFORMS

Operations Optimization

INSIGHT

PROCESS INTEGRATION

AUTOMATION

COLLABORATION

Insights into value



Potential Savings:
77 gallons of fuel and 1,628 lbs. of CO₂ per approach



10% increase in network velocity, 50% reduction in expired crews & significant improvements in on-time performance



Improving safety and productivity across 15K miles of interstate natural gas pipelines



Up to 4% increase in power output across 283 wind turbines ... 40+ GWhr annual increase

Commercially available* to connect more machines, more data & more people



Predictivity™ ... app factory

Development process

Agile & Extreme Programming

+

Design Center for delivering compelling user interface

+

Co-innovation process to design, build, transfer and iterate

+

Cyber security Blue team to build and Red team to test

90-120 day service engagement to production roll out

Asset optimization (28)



Approach

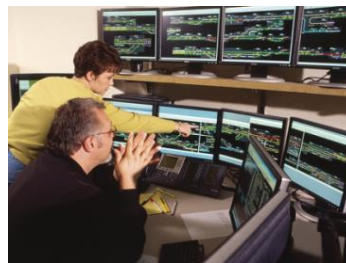
Actionable insight on equipment based on physics and analytic modeling with industrial data

Operations optimization (14)



Outcome based process improvements to plants, pipelines, fleets, fields, facilities, grids, shops

Productivity tools (77)



Increase service throughput, efficiency, and quality at optimized cost of delivery



Delivering industry apps at speed and scale

World-class Software & Analytics organization

Investing in Leadership Talent

SW Research



Colin Parris
(IBM)

Product Dev.



Brad Surak
(SAP)

Software CTO



Harel Kodesh
(Microsoft,
Start Up Veteran)



Co-located SW CTOs for business alignment

Aviation

D. Bartlett
(IBM)

O&G

J. Demesa
(Siemens)

EM

J. Stone
(SAP)

P&W

G. Bell
(ServiceSource)

HC

E. Eryurek
(GE)

Trans.

S. Chotai
(HP)

World-class technical resources



1,000+

COE

~10,000

Biz

- ✓ Computational & analytics scientists
- ✓ Platform developers
- ✓ Software engineers



- 1 Four deep core competencies ecosystem
- Cyber, UX, Data Science, Agile development
- 2 Leading edge platform + world-class ecosystem
- 3 Advanced research for building the future
- 4 Advanced process to drive adoption & enablement



Wurldtech: protecting critical infrastructure

About: A GE Company acquired in May 2014 providing top cyber talent

Capability: Assess, protect & certify critical infrastructure from cyber attack

Key Customers: 4 of 6 top global O&G companies; 9 of top 10 automation vendors

Secure & certify industrial products

- ✓ Security enhancements delivered through Predix™ and GE Products
- ✓ Certify GE and non-GE products and customer environments

Assess products & operations for vulnerabilities

- ✓ Identify vulnerabilities in OT products (GE and 3rd party)
- ✓ Assess and prioritize risks for system operators

Protect operational environments

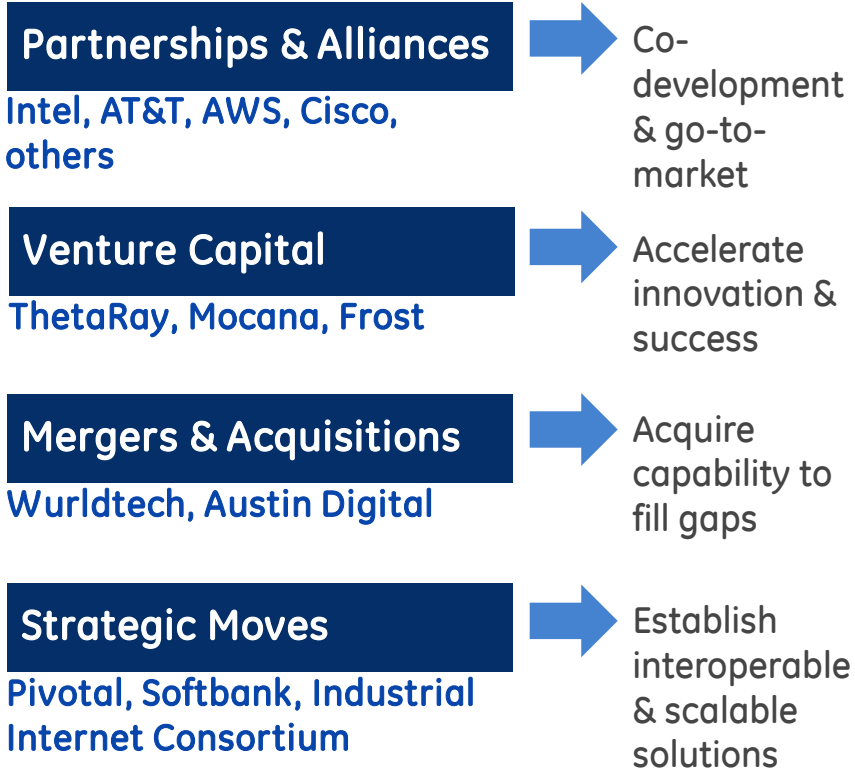
- ✓ Achilles Industrial Next Gen Firewall to inspect and control Industrial network traffic
- ✓ Leverage industry leading threat intelligence

World-class cyber security to operate assets + operations safely

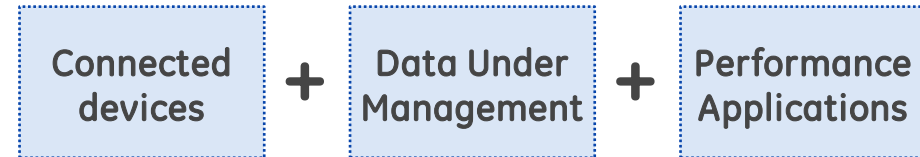


Industrial internet ecosystem

Industry Ecosphere



Open Predix™ beyond GE



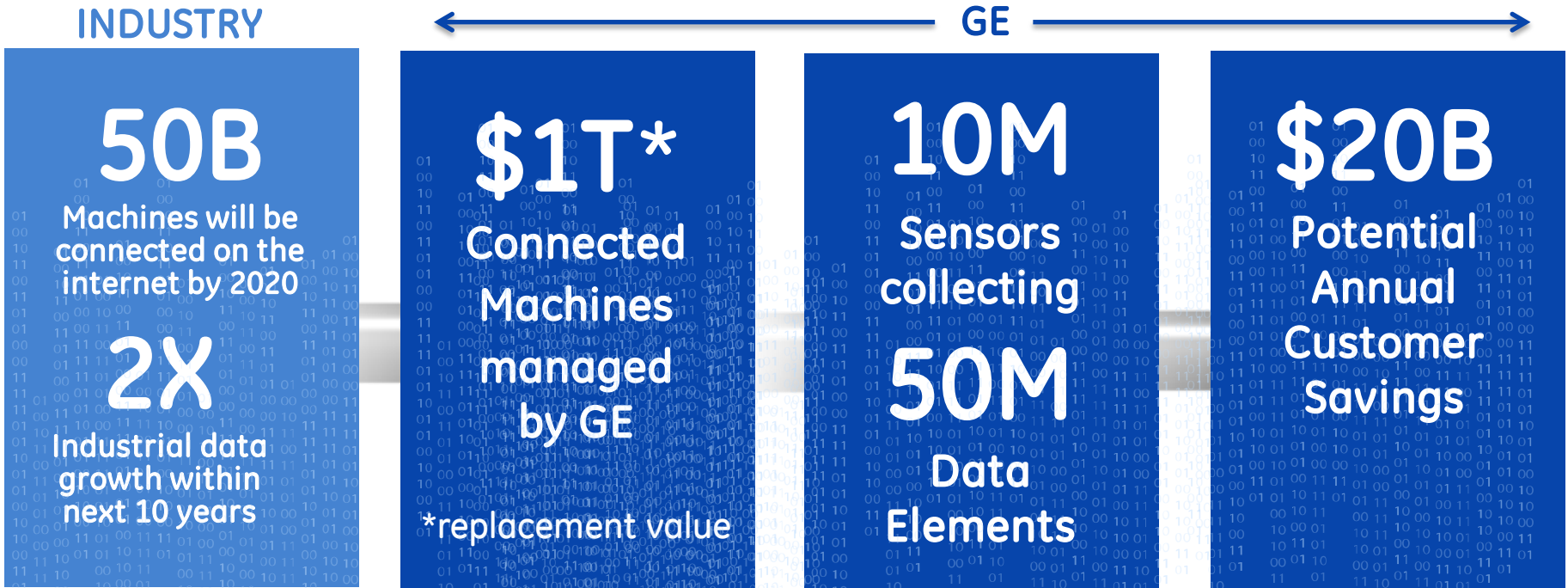
GE will sell

- 1 Predix™ Machine Services**
Connect assets regardless of vendor or vintage and provide value-added services
- 2 Predix™ Data Services**
Aggregate and analyze data to produce actionable business insights
- 3 Predix™ Asset Services**
Sell horizontal apps that maximize return on assets and people

Positioned to create value



Competitive advantage



Big Iron + Big Data = Big Outcomes



New ways to sell Services

1 New Buyers and Influencers

2 Making Markets, Different Economics

3 Co-creation & Agile Development

4 Solution Architecture

5 Value Based Deal Shapes

6 New Industry Ecosystems

GE Commercial Center of Excellence



Hire/Train
Community of Experts



Sales
Process



Enablement
Toolkit



Accelerating time to value across channels

GE O&G Example

Upgrade value in CSAs

ReliabilityMax™



Offering: RM&D in CSA, upside and productivity

Market Opportunity: \$2.7B

GE Sales Model: Existing Services sales team

Sales acceleration: Expert SWAT teams to support deal

APM Subscription Services

FieldVantage™



Per well subscription

\$2B

New standalone software sales specialists

SW experts, compelling offer, target one outcome to land and expand

Enterprise Analytics Projects

Intelligent Pipeline™



Enterprise SW deal, solution co-creation

\$600MM

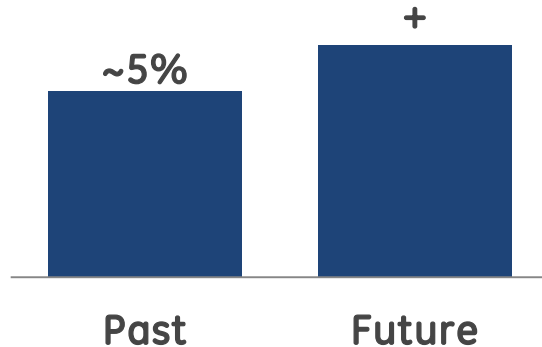
New outcome sellers + existing service sales team

Ecosystem partners, SW COE app factory



Measuring commercial success

Services revenue



	<u>'13</u>	<u>'17F</u>
Assets under management	\$1T+	++
Predictivity™ solutions revenue	\$0.8B	~\$4-5B
Services backlog	\$180B	++

- Adding more value to existing service relationships ... training team to get more out of the installed base
- Creating new revenue streams and building new commercial skills and incentive plans to accelerate growth
 - ✓ Outcome sellers, solution architects, product management & marketing
- Cultivate ecosystem to help accelerate commercially with access to CIO/CTO relationships and system integration skills



Power & Water

Paul McElhinney

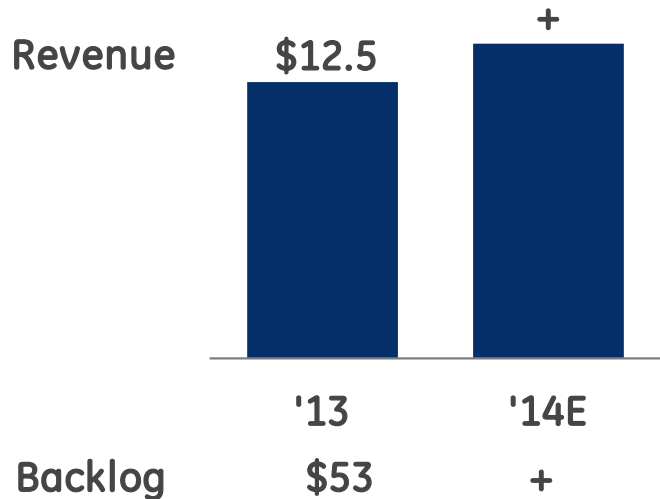
- President & CEO, Power Generation Services
- In current role since May 2014
- 26 years with GE



Power & Water Services

(\$ in billions)

Key metrics



Installed base dynamics

- ✓ Unit growth up ~2.4X from 2008
- ✓ Strong DP & Wind growth... up ~1K/year
- ✓ ~4,000+ gas turbines in service

Services imperatives

- 1 Deliver on customer value**
 - + Develop flexible solutions
 - + Reduce customer operating cost
- 2 Grow \$/installed base**
 - + Maximize impact of Alstom alliance
 - + Invest in new service offerings
- 3 Expand margins**
 - + Tech upgrades & software solutions
 - + Outage excellence
- 4 Improve service execution & delivery**
 - + Improved customer service levels
 - + Optimize field service & repair network

Growing services & delivering greater customer value



Global power industry is facing complex challenges... Offering innovative solutions to address customers' needs

~60%+

Increase in US natural gas price since 2012



~(30)%

Thermal capacity ↓
in Europe since '08



~15 years

Average age of ~4K
global GE gas turbines



Customer challenges



Fuel price uncertainty



Increasing regulation



Slow demand growth



Aging installed base

GE Predictivity™ solutions & industry benefit*

Output

~\$7B

Availability

~\$2B

Efficiency

~\$8B

Flexibility

~\$1B

Reliability

~\$2B

*Based on 10 year NPV

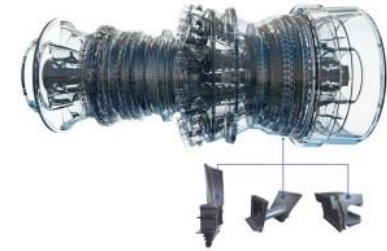
Improving customers' outcomes while decreasing costs



Investing in technology

1 Advanced Gas Path (AGP)

- ✓ Industry leading output ... up to +6.4%
- ✓ Industry leading efficiency ... up to +1.8%
- ✓ Extends asset & parts life ... 96K hours



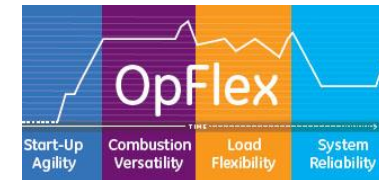
2 Dry Low NOx 2.6+ (DLN)

- ✓ Reduces NOx emissions by 40%
- ✓ Delivers industry leading flexibility
- ✓ Increases maintenance intervals to ~1,250 starts



3 Op Flex

- ✓ Delivers flexibility to ↓ costs & ↑ revenue
- ✓ Reduces start up time & fuel consumption
- ✓ Expands fuel source opportunity

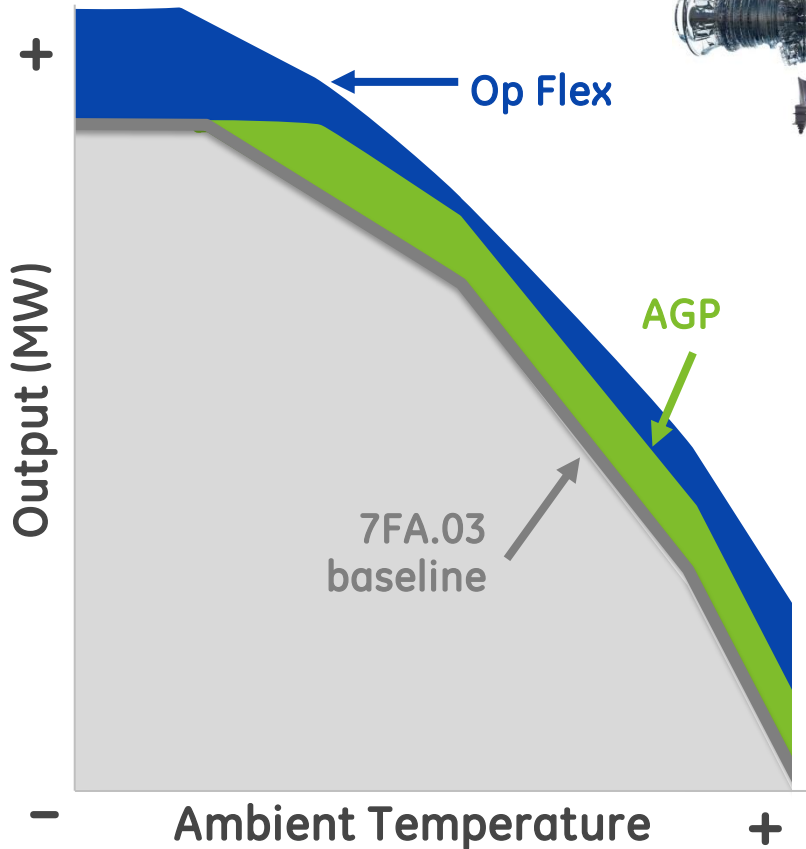
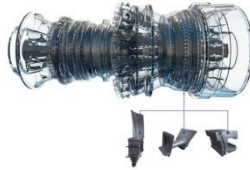


Addressing multiple customer value levers



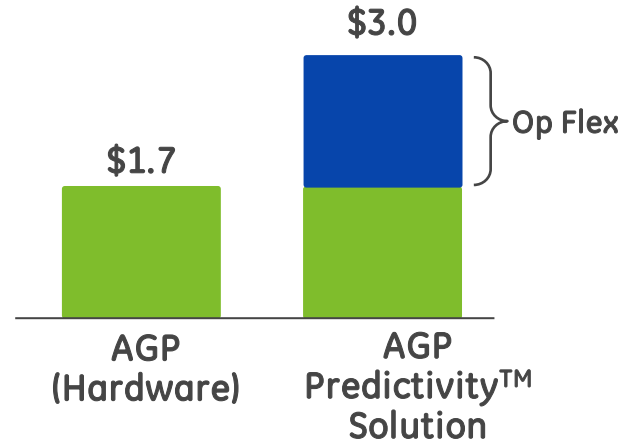
Power FlexEfficiency™: Advanced Gas Path

Expanding the operating envelope



Improving customer outcomes

Average Customer Annual Value Per Unit (\$MM)



- ✓ 125+ AGPs with software sold to date
- ✓ 650,000+ operating hours to date

Combining hardware and software ... creating 2X the value



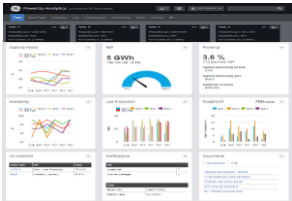
Wind PowerUp ... generating more output

1 Customer opportunity



Opportunity for up to 20% more profit from up to 5% more output

2 Software enabled



A performance based, cooperative approach with a holistic view of the assets, system and network

3 Flexible platform



Flexible payment options aligned to customer needs

Proven results



Customer Outcome: Up to 4% increase in power output across 283 wind turbines ... **40+ GWhr** annual increase

"The PowerUp system offers a great chance for owners like us who are investing literally billions of dollars in this market to try and get more production out of existing assets. GE took a lot of risk out of this for us."

– Patrick Woodson, CEO, E.ON Climate & Renewables

Scale out

+1,400 turbines under contract since launch



Healthcare

Jan De Witte

- President & CEO, Healthcare IT
- In current role since 2011
- 15 years with GE



Healthcare Services

(\$ in billions)

Key metrics

Revenue

\$8.0

=/+

'13

'14E

Backlog

\$11

+

Installed base dynamics

- ✓ Emerging markets infrastructure build
- ✓ Mature markets quality upgrades
- ✓ ACA & Enterprise Solutions ↑ IT penetration

Services imperatives

- 1 Deliver on customer value**
 - + Asset and workflow optimization
 - + Analytics around EMRs & Devices
- 2 Grow \$/installed base**
 - + Quality and analytics offerings
 - + Solutions architecture & delivery
- 3 Expand margins**
 - + Remote service & SaaS models
 - + Field services productivity
- 4 Improve service execution & delivery**
 - + Remote monitoring technologies
 - + Field force deployment optimization

Delivering value = higher quality outcomes at lower cost



Healthcare industry shifting to value-based care

GE software, analytics and services are uniquely positioned to help

29%

Healthcare spend
wasted each year



\$260B

Annual value
creation through
healthcare IT



59%

US lives covered in
value-based care
model by 2015



Customer challenges



Diagnostic quality



Patient-centric care



System profitability



Chronic Disease Management



Clinical
Quality



Financial
Performance



Operational
Efficiency



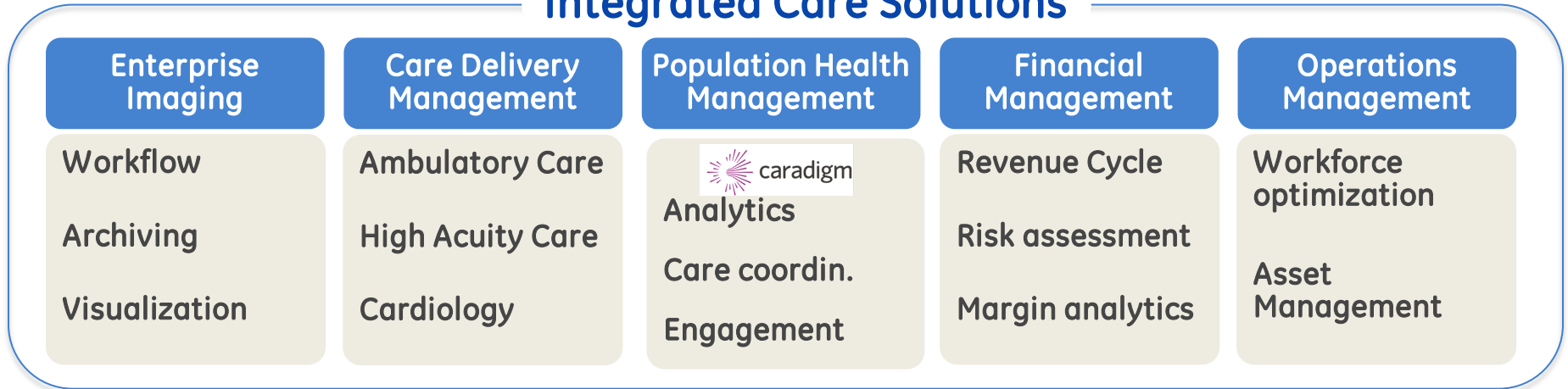
Configurable
Workflows

Integrated Care Solutions ... turning data into actionable insight
Improving healthcare outcomes



GEHC Software portfolio positioned along main outcome drivers for care systems

Integrated Care Solutions



Diagnostic speed & confidence

Productive care pathways

Wellness & chronic disease management

Risk & margin management

Cost/workforce optimization

Large GE device footprint generating clinical data

+

HCIT domain in clinical workflow & analytics

+

SW CoE/Predix™ capabilities

Providing caregivers the right actionable insight – when & where they need it



Enterprise Imaging

Improving diagnostic workflow in the cloud

Customer Challenges



19% Time spent gathering data

35% Cases diagnosed incorrectly

Workflow velocity ↑

Diagnostic confidence ↑

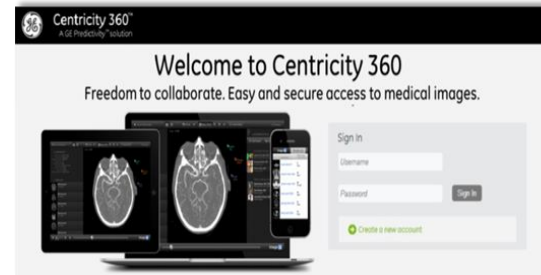


Care quality ↑

Cost ↓

Cloud Case Exchange: Centricity™ 360

~\$2B segment by '18, growing 25%+



30% ↓ turn-around time

3% ↓ duplicate exams

Customer value: \$10MM+ cost ↓ p.a.

Image-as-a-Service lifecycle value: \$20MM+

Solution Architecture

Clinical Collaboration & Advanced Analytics



Imaging Cost Control



Archive



Workflow

Sample Customers



Operations Management

Optimizing workforce productivity with API Healthcare

Customer Challenges



54%

Hospital operating cost spent on labor

Matching care-giver capacity & patient need



Care quality ↑

Labor productivity ↑

Workforce management

~\$2B segment by '18, growing 12%+



20% ↑
Workforce productivity

80% ↓
Overtime wages

Customer value: \$4MM cost ↓ p.a.

Workforce-mgmt. services lifecycle: \$4MM+

Solution Architecture



Real-Time Analytics



Time & Attendance

Staffing & Scheduling

HR & Payroll

Labor & Patient Workflows

Sample Customers

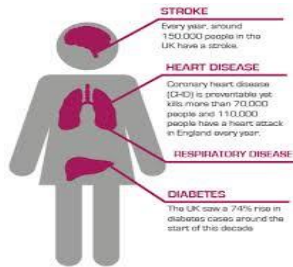


Population Health Management

Lowering the cost of chronic disease



Customer Challenges



75

Cents of every healthcare dollar spent on chronic disease

Proactive intervention ↑
Care protocol compliance ↑



Chronic disease treatment cost ↓

Caradigm Analytics & Care Mgt.

~\$30B segment by 2025, growing 19%+

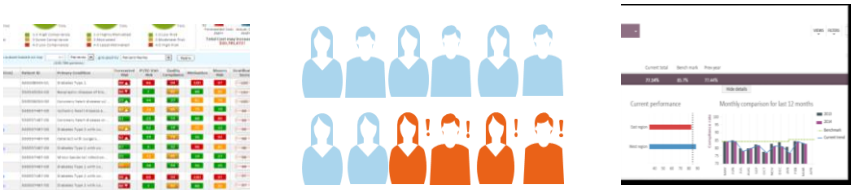


25% ↑ Patients per care manager

40% ↓ Hospitalization for chronic patients

Customer value: \$5MM+ cost ↓ p.a.
Caradigm lifecycle value: \$18MM+

Solution Architecture

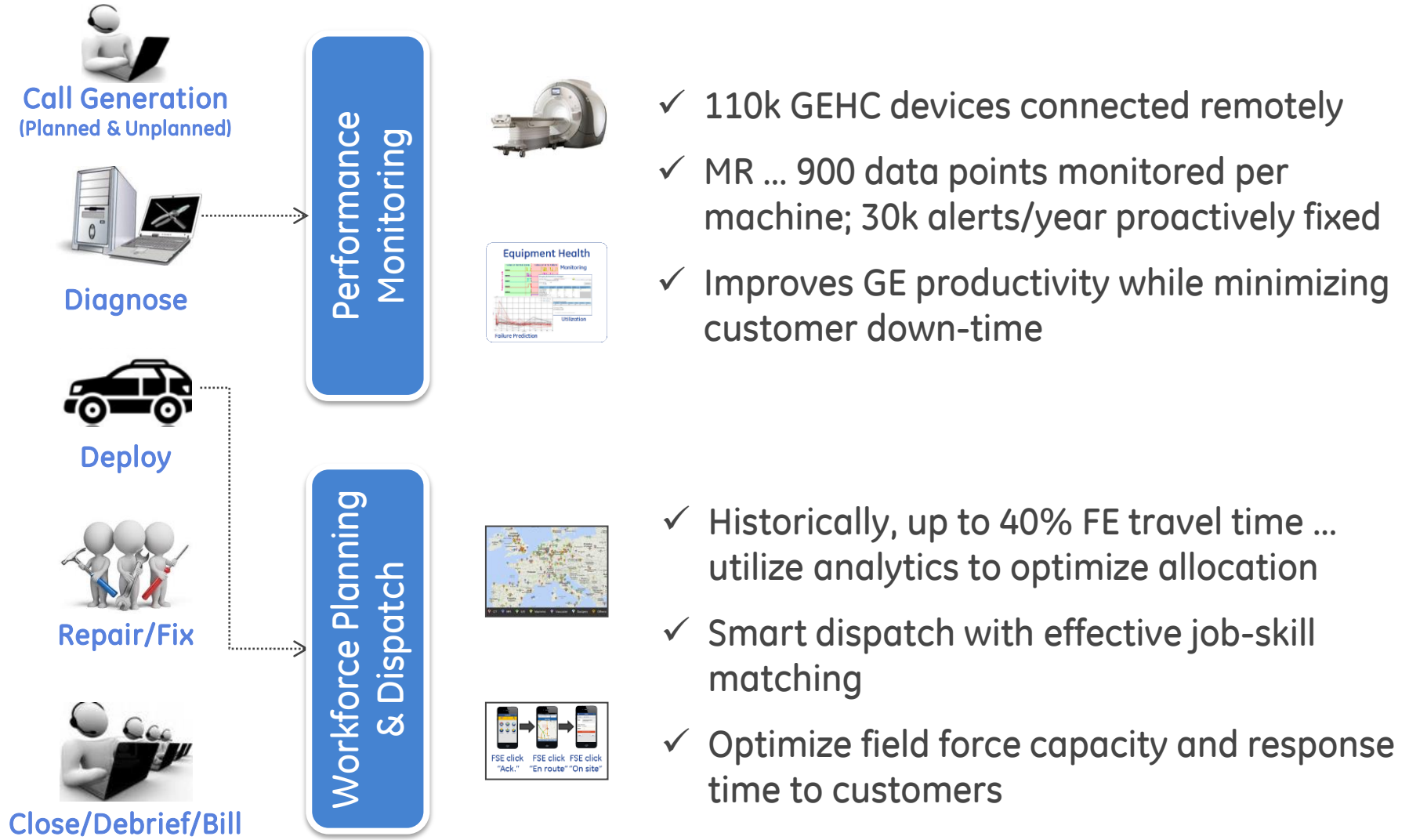


Analytics → Risk Cohort → Care Mgt.

Sample Customers



Software enabling productivity in service process



Healthcare Services margins improving

Aviation

Kevin McAllister

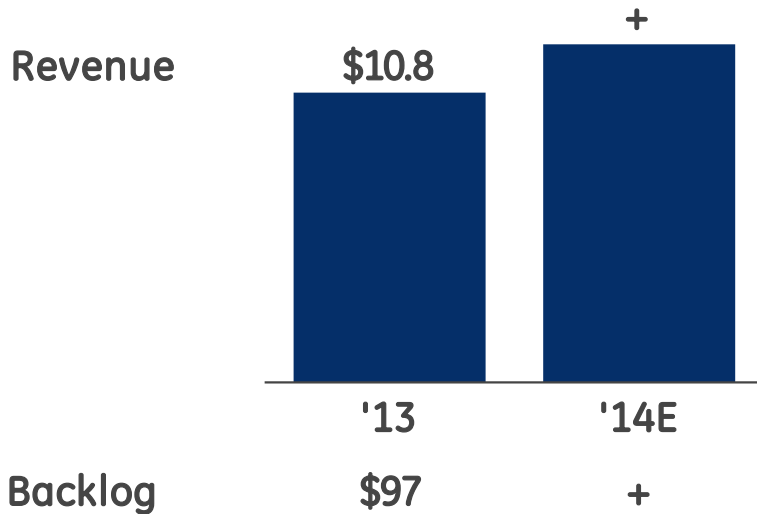
- President & CEO, Aviation Services
- In current role since May 2014
- 25 years with GE



Aviation Services

(\$ in billions)

Key metrics



Installed base dynamics

- ✓ Commercial IB ... 34,000 engines
- ✓ Young ... 46% haven't had 1st shop visit
- ✓ Fuel cost driving investment ... GE well positioned ... 787, 737MAX, A320NEO, 777X

Services imperatives

- 1 Deliver on customer value**
 - + Lowest cost of ownership
 - + Predictivity™ outcomes
- 2 Grow \$/installed base**
 - + Win/win providing technology upgrades and analytics
- 3 Expand margins**
 - + Time-on-wing for GE and customers
 - + Cost productivity ... for GE
- 4 Best service execution and delivery**
 - + Position to support service entry for next-gen products



Solid growth fundamentals

Environment

Passengers

IATA, RPK % YoY

5.3% 5.2% 5.8%

Utilization

Avg. cycles/ day, % YoY

-1% 0.9% 0.2%

Departures

GE and JV-powered flights (MM)

20 21 22

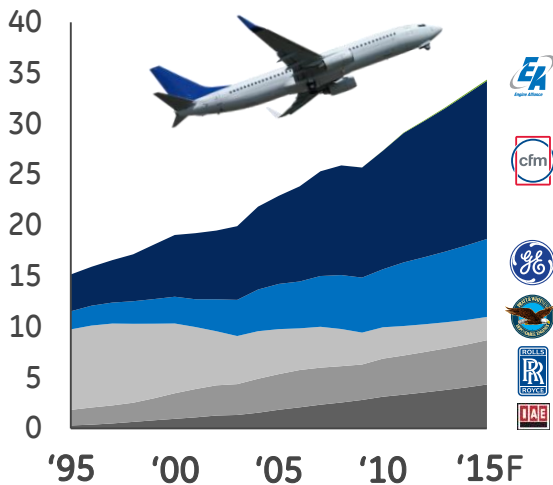
2012 2013 2014E

Source: IATA & GE analysis

Departures

Number of departures

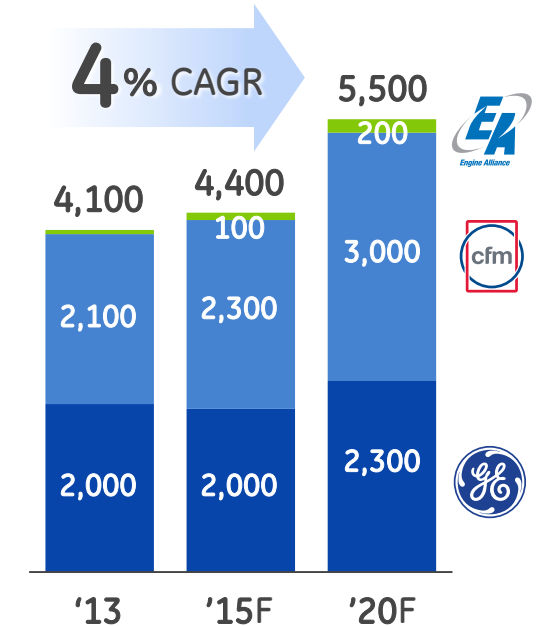
(MM)



2 of 3 daily flights powered by GE or GE JVs

Shop visits

4% CAGR



46% have not had 1st shop visit

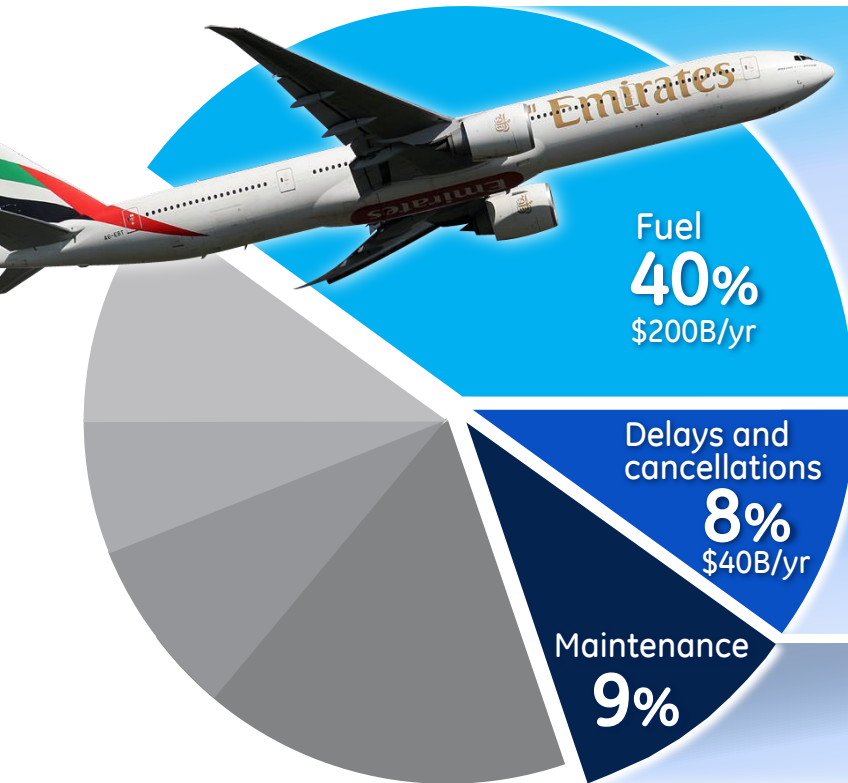


Solving our customers toughest challenges

Airline direct operating costs

Product and Services strategy

Services analytics offerings



Lead in technology
Best-in-class fuel burn and retention

Flight Efficiency Services
Performance-based Navigation

Lead in on-wing reliability

Engine diagnostic and prognostics

+ Intelligent Operations 

Provide lowest cost-of-ownership through OEM technology

Analytics-enabled workscoping



Services technologies ... improving value through the lifecycle

A culture of technology insertion



Tailored to customer wants

Installed base ('13)	Upgrades	Fuel Burn improvement	Time-on-wing
 CFM56 ('84 EIS) 18,500	8	8%	2x
 CF6-80C ('86 EIS) 3,000	8	3%	3x
 GE90 ('95 EIS) 1,500	5	2%	2x



Risk transfer
\$/hour coverage



Overhaul
Time and material



Materials
New, used and repaired parts



Asset optimization
TRUEngine™ program, diagnostics



Minds & Machines at GE Aviation

“Analytics”

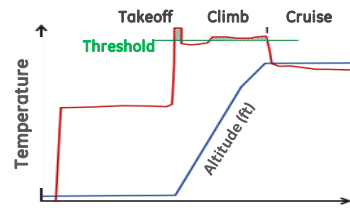
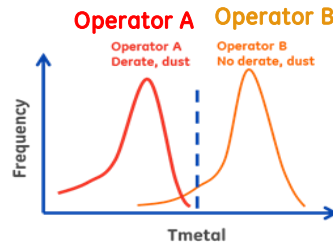
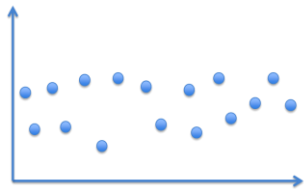
“Physics”



1,000+ software engineers
GE Software COE



6,300 applied engineers
GE Aviation



Data
Secure,
continuous,
accessible



Statistics
Unlock trends,
segment



Physics
Apply engine
expertise



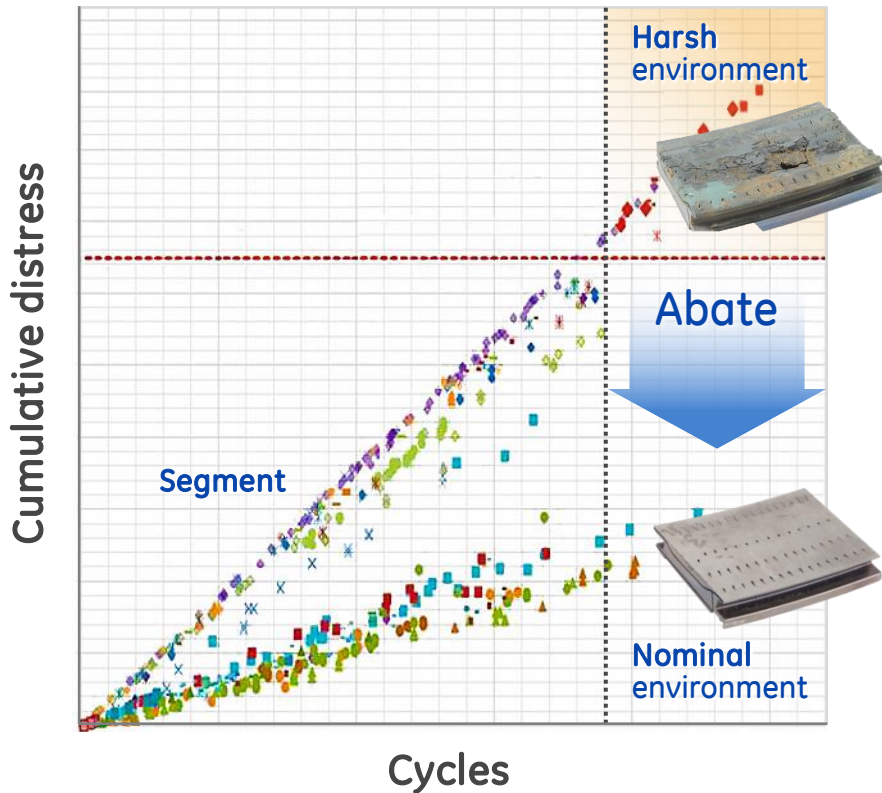
**Customer and
GE benefits**

- ↑ Time-on-wing
- ↑ Reliability and availability
- ↓ Fuel cost
- ↓ Repair and overhaul



Lead in on-wing reliability

Applied analytics to detect engines at risk of removal



Recent successes ...



GE90
120 removals saved



CFM56
40 removals saved



Water wash
\$7M/yr
fuel savings at one
GE90 operator



Attacking fuel spend with analytics

AirAsia

\$30MM/yr. savings



Flight Efficiency Services App



Performance-based Navigation App

Joint marketing ...

In the news

AINonline
 NEWS CHANNELS PUBLICATIONS RESOURCE CENTER OPINION

Big Data Helps GE Drive Airline Efficiency
FARNBOROUGH AIR SHOW • 2014

by CHARLES ALCOCK
July 16, 2014, 1:10 AM

GE Aviation's Flight Efficiency Services division is using big data techniques to help airlines to improve their profit margins with a particular focus on reducing fuel burn. "Fuel accounts for 40 percent of airline costs with around \$213 billion spent on this each year," said general manager Giovanni Spitale. "GE thinks that if machines can talk to each other using the industrial internet [a term coined by GE] we can make better sense of that [fuel consumption]."

Newsletter

TONY SAYS

TASSAPON SAYS



"Perfect flight" video



Oil & Gas

Brian Palmer

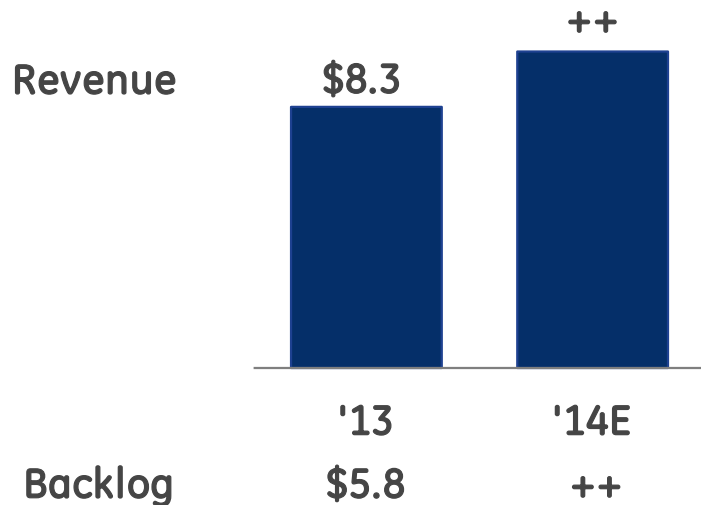
- Vice President, Measurement & Control Solutions
- In current role since 2010
- 29 years with GE



Oil & Gas Services

(\$ in billions)

Key metrics



Installed base dynamics

- ✓ IB growing: TMS and Subsea with 13K+ units
- ✓ Software investments creating new IB revenue streams in addition to traditional parts and service
- ✓ New contractual (CSA) offerings developed/launched

Strategic imperatives

- 1 Deliver on customer value**
 - + Customer co-creation
 - + Outcome based solutions
- 2 Grow \$/installed base**
 - + Drive analytics & Predix™
 - + Penetrate the installed base
- 3 Expand margins**
 - + More software and contract offerings
 - + Continue to grow backlog double digits
 - + Partnerships to accelerate journey... Meridium
- 4 Improve service execution & delivery**
 - + Full lifecycle productivity
 - + Simplifying structure

Software & Services as a key differentiator



Oil & gas industry is faced with expanding challenges

GE software, data and analytics are uniquely positioned to help

\$800B+

Annual industry CAPEX
(6-8% growth per year)



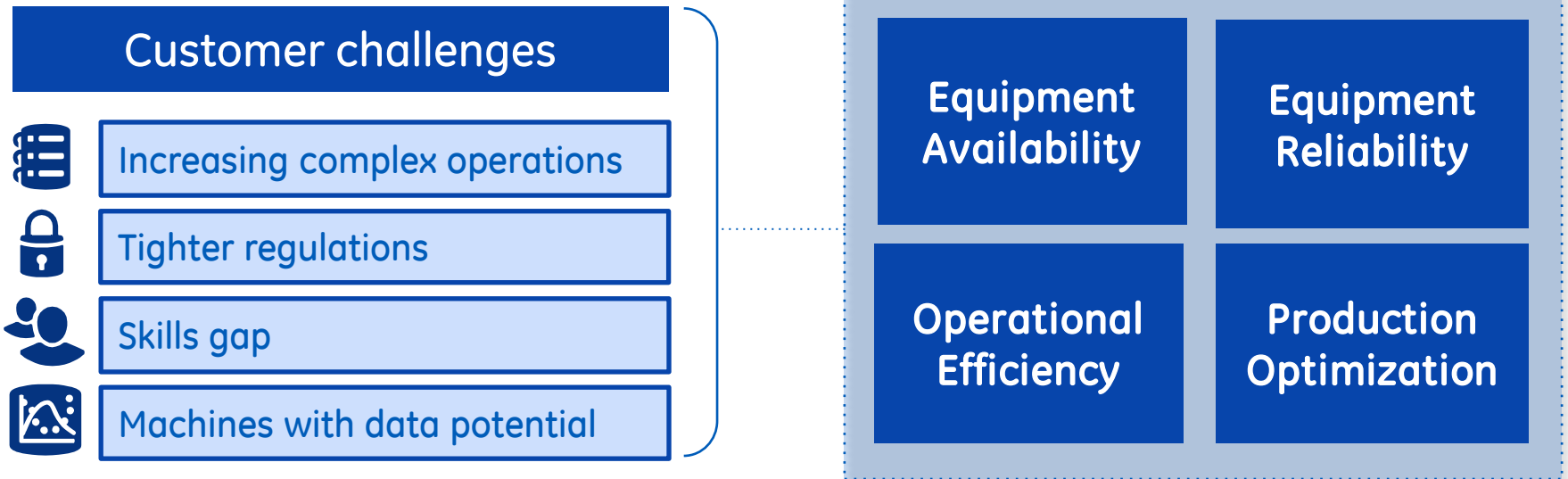
\$150MM

Average annual cost for
mid-size LNG facility due to
unplanned downtime



5-10%

Range of O&G industry's
estimated downtime



Industrial Internet ... turning data into actionable information
Enable no unplanned downtime



Predix™ ... Unified Operations

Improved throughput connecting people, machines, and data



Customer outcomes

50%

Industry retirement rate in next 10 years

7X

Industry fatality rate above norm

129,000

Pieces of equipment in operation globally in the industry



Enhanced safety



Increased availability



Operational visibility



Efficient workforce enablement

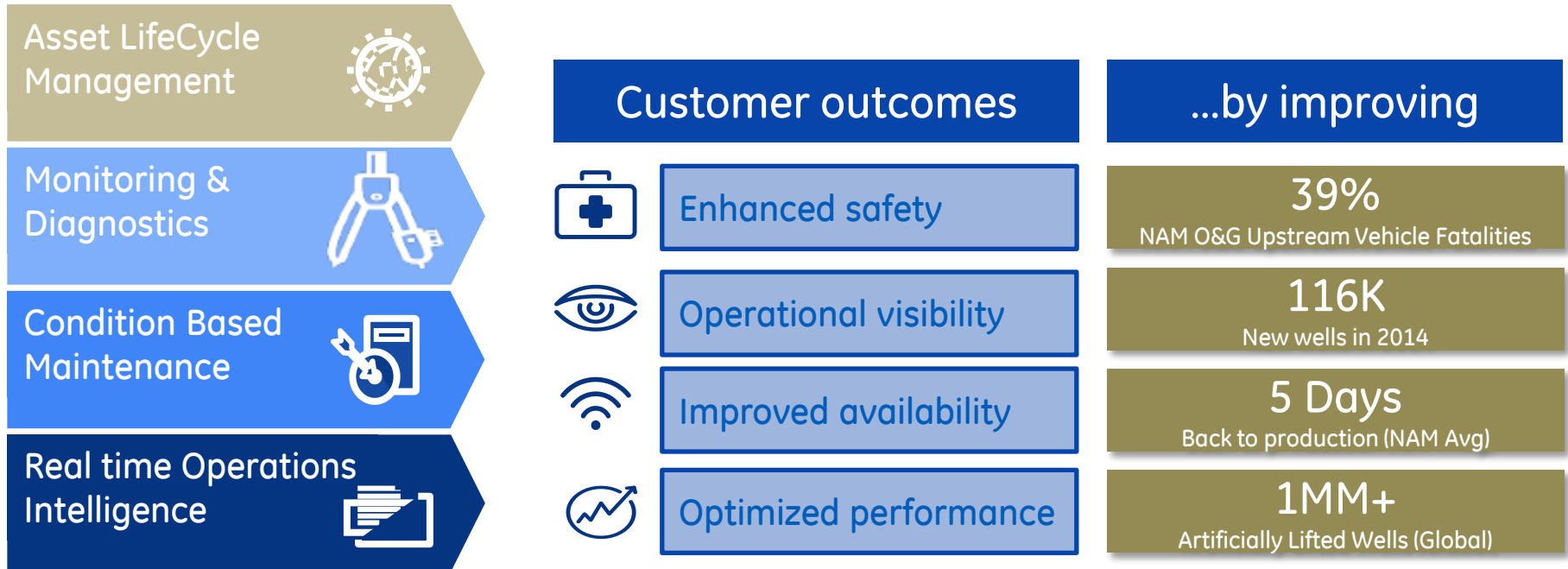
Partnering with **ConocoPhillips** to tackle these industry challenges and create a solution that increases production and lowers cost driving improved customer outcomes.

Unified Operations – A customer co-creation success story



FieldVantage™ ...

Asset Performance Management (APM) for Onshore



Solution Overview

- Providing **field level visibility** and **optimization** across multiple forms of artificial lift technologies
- Integrated insights provided through **common, single, scalable platform**
- 2 year **service contract** on 200+ wells

APM – Bringing GE expertise from all industries to deliver system level value



Intelligent Pipeline ...

Operations optimization software for pipelines

Customer outcomes

Enhanced safety Proactive versus reactive decisions

Visibility Complete geospatial view and situational awareness

Optimized Ops Effective data driven resource allocation

Efficient O&M Prioritize spending for assets and resources

2TB

of data for every

30K

miles of pipeline

3-4%

annual growth

2MM miles of

pipelines globally

\$40B

invested by pipeline
companies per year

First customer

Columbia
Pipeline
GroupSM



- 5 year **service contract**
- Setting the **industry standards** for pipelines **real-time intelligence**

Moving to proactive solutions with our customers



Services Optimization ...

Creating optimal value for GE equipment customers



\$1.4B

Additional opportunity driven by
availability and reliability increase
(1% of capacity)

GE Productivity Improvements

- ↑ Outcome base service bonus
- ↓ Inventory through parts flow optimization
- ↓ Outage duration/frequency driven by condition-based maintenance



Customer Benefits



Zero unplanned downtime



Increased availability



Increased reliability



Decreased production losses

Journey to 100% reliability through our Contractual Services Agreements (CSA)



Transportation

Pete McCabe

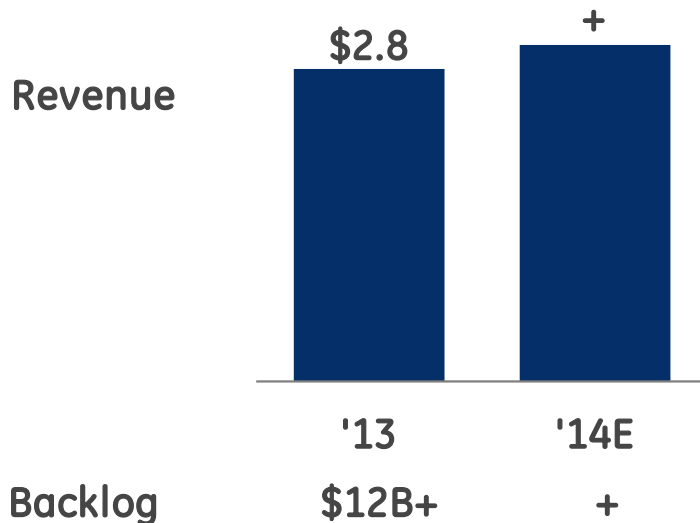
- Vice President, Global Services & Solutions
- In current role since 2013
- 20 years with GE



Transportation Services

(\$ in billions)

Key metrics



Installed base dynamics

- ✓ 1,000+ Tier 4-compliant loco orders
- ✓ ~650 locomotives un-parking in '14
- ✓ 450 new locomotives in South Africa

Services imperatives

- 1 Deliver on customer value**
 - + Outcomes - velocity, fuel, reliability
 - + System solutions – RailConnect™ 360
- 2 Grow \$/installed base**
 - + Increase penetration – Parts & Smarts
 - + Extend asset life – modernizations
 - + Broaden software solutions – rOS
- 3 Expand margins**
 - + Deploy advanced analytics – Predix™
- 4 Improve service execution & delivery**
 - + Enhance commercial capabilities
 - + Expand domain & IT project expertise



Railroad industry is faced with expanding challenges *and customers require a solution provider*

\$80B+

N. American operating revenue (~4% growth)



7 year high

Traffic volumes require unparalleled investment



\$5.6B

Annual industrial benefit through 1% improvement



Customer challenges



Asset utilization



Capacity limited



Resource constraints



Ops. Complexity

↑
LOCOMOTIVE
PRODUCTIVITY
IMPROVEMENT



↓
CAR
DWELL
IMPROVEMENT



↑
NETWORK
VELOCITY
IMPROVEMENT



↑
FUEL
EFFICIENCY
IMPROVEMENT

RailConnect™360, delivering customer focused outcomes



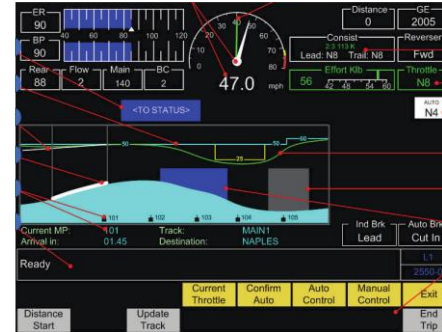
Asset optimization – fuel efficiency

Customer Dynamics



- \$1M diesel loco/year, 22K GE locos
- Emissions
- Huge operating variation: operators, trains, topography

RailConnect 360 – Trip Optimizer



- Real-time embedded optimization algorithms
- Advanced data acquisition enabling train health monitoring
- Automated train handling reduces wheel & rail wear

[CSX] Trip Optimizer with CSX

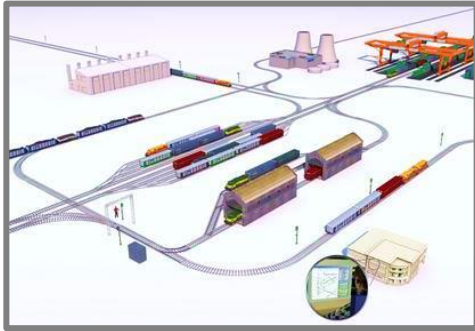
Implementation on 1,500 CSX locomotives:

- ✓ Reduced fuel use by 7% on average
- ✓ Decreased 3rd largest operating expense
- CSX Sustainability Report 2013



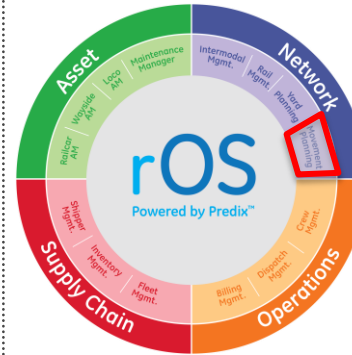
Operations optimization – velocity

Customer Dynamics



- Systems problem ... beyond human capabilities
- Majority single track
- Point solutions have plateaued

RailConnect 360 - Movement Planner



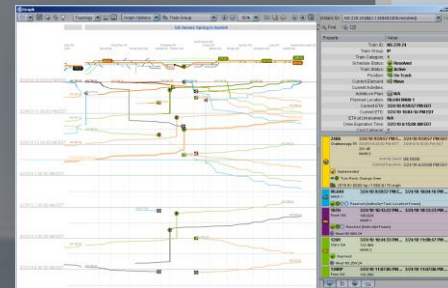
- Integrated suite of day of operations software apps
- Predix™ platform - connectivity, big data, and security
- Advanced algorithms and automatic routing
- Proven in class 1 revenue service



Movement Planner with Norfolk Southern

Norfolk Southern and Movement Planner*:

- ✓ Automated routing decisions
- ✓ 10%+ increase in velocity
- ✓ 50%+ reduction in expired crews
- ✓ Significant improvement in schedule adherence
- ✓ 1MPH = ~\$200MM estimated annual savings in capital & expenses



*Based on 3 year study in NS GA division

CSA – shared productivity

Lifecycle Cost Dynamics – Engine Overhauls



- 20K+ overhauls in backlog
- OH interval based on average expected condition
- \$1B+ capital expenditure in North America every year

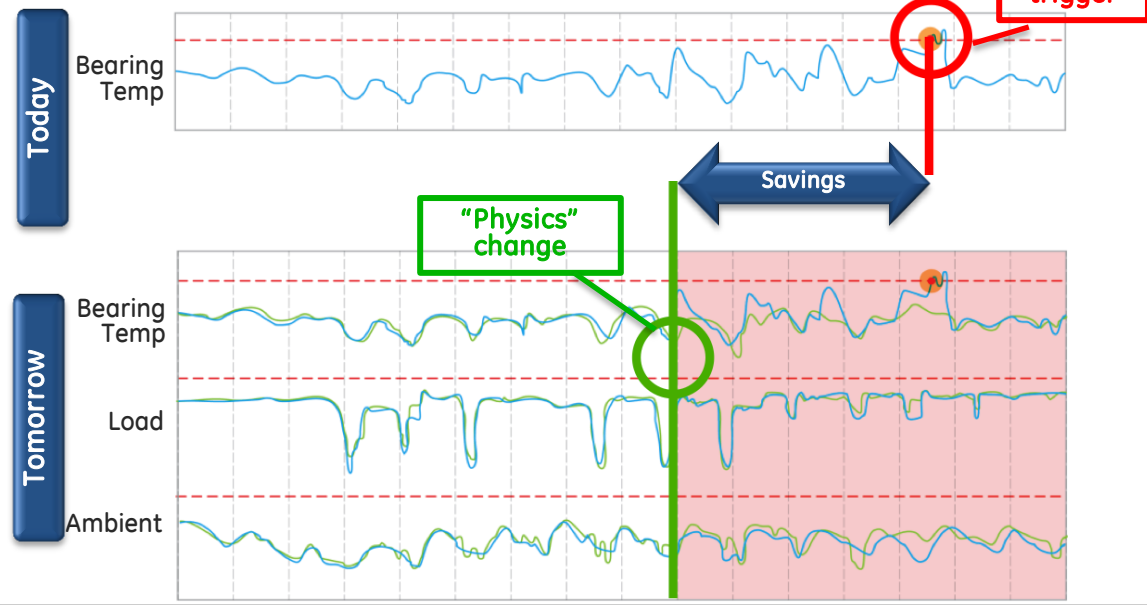
RailConnect 360 – Advanced Analytics



(SmartSignal)

- Co-development GE Transportation & GE Intelligent Platforms:
 - Enhanced sensor coverage
 - Improved data acquisition, higher resolution
 - Advanced analytics
- Asset specific insight drives fault reduction and enables CBM

Real Time Engine Performance



Impact:

- ✓ Reduced unplanned downtime & avoid road failures
- ✓ Reduce unscheduled material consumption
- ✓ Extended periodicity and associated expenses

GE's 1%

Jamie Miller

- Senior Vice President, Chief Information Officer
- In current role since 2013
- 9 years with GE



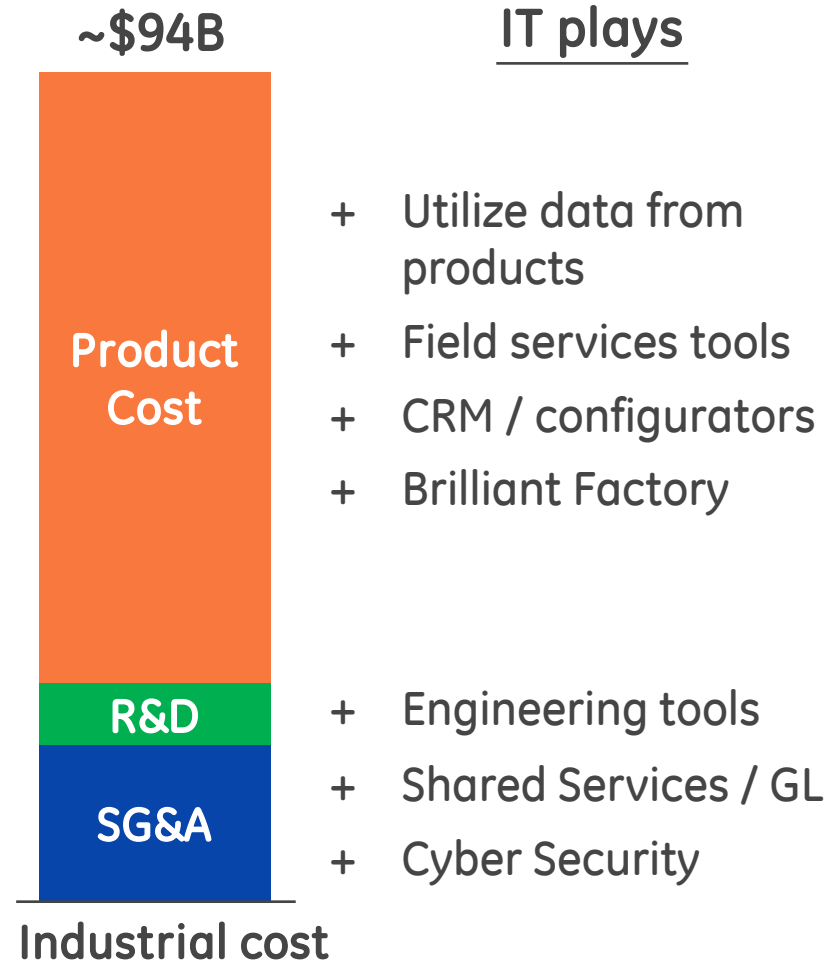
Digital opportunity

Simplifying structure

ERP/manufacturing	↓ 90%
Data Centers	↓ 80%
Applications	↓ 30%
Shared Services	65%
Cloud ^(a)	70%

More valuable GE resources with fully integrated approach

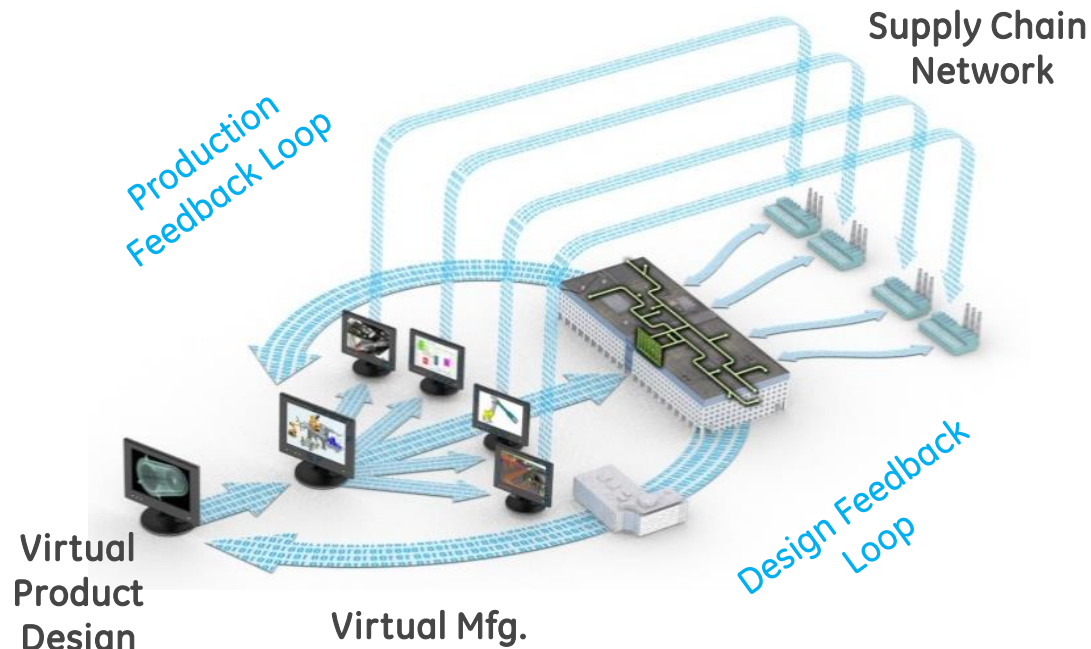
Benefits



Three opportunities to power manufacturing

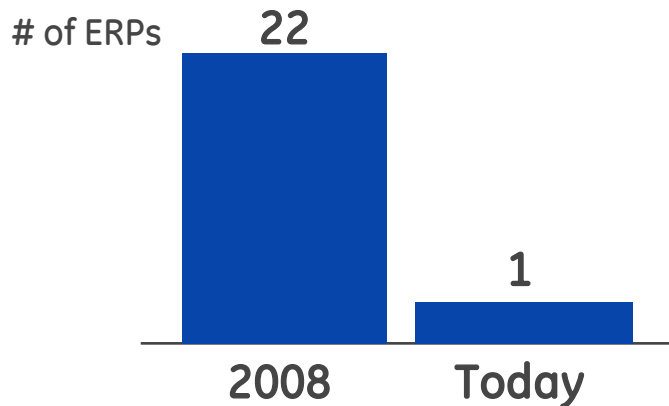


- 1 Digital Foundation**
 - 90% reduction in ERPs
- 2 Unlocking Big Data**
 - Sourcing
 - Productivity
- 3 Powering the Brilliant Factory**
 - Design for manufacturing
 - Sensor enablement
 - Plant/supply chain optimization



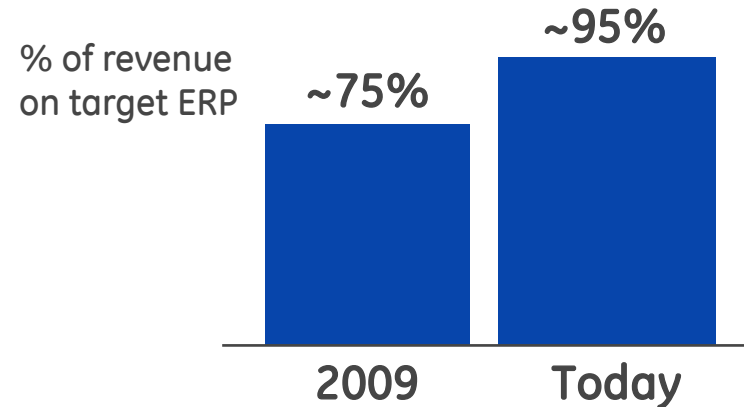
Product Cost: ERP investments paying off

GE Water



- ✓ SG&A % of sales ↓ ~10 pts.
- ✓ Past dues ↓ 60%
- ✓ Finance headcount ↓ 50%

GE Healthcare



- ✓ Inventory turns 6x → 7x
- ✓ Shipment on time ↑ 58% → 85%
- ✓ Foundation for business to deliver \$1B+ savings over past 5 years

Today: 219 ERPs → 2016: 34 ERPs



Product Cost: Using big data to run GE

1 O&G data lake, \$8B direct materials buy

Ingest

Real time

Store

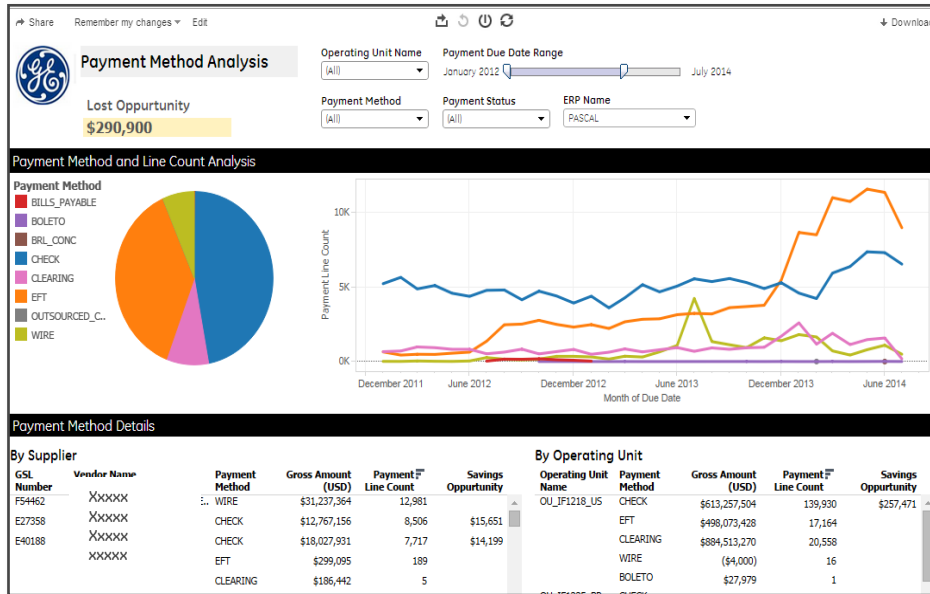
More, cheaper

Clean

Faster, GE-wide

Consume

Analytics, Data science



Oil & Gas

- 23 source systems
 - Full visibility – 3 weeks
 - Commodity, part, supplier
-
- Data lake technology
 - Machine learning for data cleansing
 - EM, P&W underway (Alstom)

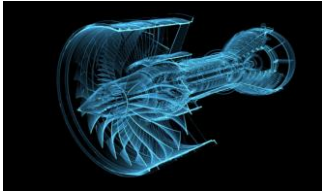
\$60B total material buy across GE ... \$1B+ cash & deflation opportunities



Product Cost: Technology powering the Brilliant Factory

FastWorks approach

Aviation Machining



Virtual design for manufacturing

Wilmington, NC

- ✓ 30%↓ NPI cycle time
- ✓ Eliminated quality escapes

Transportation Remanufacturing



Sensor Enablement

Grove City, PA

- ✓ ↓ machine downtime
- ✓ 25%↓ opportunity

P&W Nozzle Cell



Factory optimization

Greenville, SC

- ✓ 25%↑ productivity
- ✓ P&E avoidance

20/20
Vision

20%↓ NPI cycle ... 20%↑ efficiency
16 pilots launched ... Fastworks



Changing the way we deliver Services

Smart Outage: Full deployment at PGS



Accelerating productivity

Field services optimization

Predictive workscope

Next generation modeling

Advanced technology

Predictive Workscope: Aviation 4 customers, full roll-out mid-2015

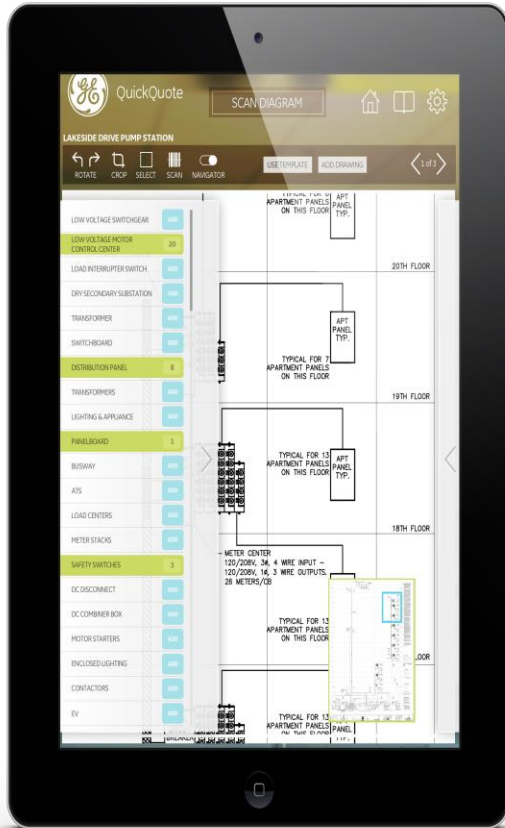


On track for \$1B CSA productivity over 3 years and 10%↑ customer uptime



We can do more “S” with less “G+A”

QuickQuote



- ✓ 45% ↑ win rate
- ✓ 80% ↓ in quote time
- ✓ 5,400+ ↓ Sales/Comm Ops hours/week

40K+ GE Commercial FTE

Highly manual, long-cycle-time

More “shots on goal”, lower cost

Investing in digital tools for commercial teams



Wrap up



Value for investors

Scale & intellect

GE Software COE



- + COE can accomplish scale ... none of our businesses could do this on their own ... attract talent & spread ideas
- + Advantage to being an early mover ... right partnerships & scale
- + Changing GE Industrial DNA ... greater impact from digital & analytical investments



Return on investment

- 1 Payback through most reliable revenue source: Services
 - + Increase revenue growth
 - + Improve margins
 - + CSA productivity
- 2 Funded software & analytics through simplification & reallocation
- 3 Potential upside beyond the GE installed base

Why GE?

- + More valuable portfolio ... 75% Industrial while growing EPS
- + Tangible evidence of winning NPI ... Tier 4, LEAP, etc.
- + Strong & diversified global footprint ... best-in-class
- + Transforming service for next generation of growth
- + Culture of simplification impacting every part of GE



