Mark Little
SVP & Chief Technology Officer

Caution Concerning 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,” “see,” or “will.” Forward-looking statements 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 the European sovereign debt situation; 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; changes in Japanese consumer behavior that may affect our estimates of liability for excess interest refund claims (GE Money Japan); 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 flow and earnings and other conditions which may affect our ability to pay our quarterly dividend at the planned level; GECC’s ability to pay dividends to GE at the planned level; our ability to convert pre-order commitments into orders; the level of demand and financial performance of the major industries we serve, including, without limitation, air and rail transportation, energy generation, 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 and affect planned share repurchases and strategic actions, including acquisitions, joint ventures and dispositions; our success in completing announced transactions and integrating acquired businesses; the impact of potential information technology or data security breaches; and numerous other matters of national, regional and global 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 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.
GE Global Research
The technology development arm for GE

- First U.S. industrial lab
- Market-focused R&D
- One of the world’s most diversified industrial research organizations
- Leading a team of 50,000 world-class engineers
Expanding our global presence

1900 - 1999
- Advanced Manufacturing and Software Technology Center
  Detroit, MI
- Global Research Headquarters
  Niskayuna, NY
- O&G Tech Center
  Oklahoma

2000 - 2009
- Global Research Europe
  Munich, Germany
- 2X Size + Customer Innovation Center
- China Technology Center
  Shanghai, China

2010→
- Russia
- Japan
- Israel
- Brazil Technology Center
  Customer focused R&D
  Rio de Janeiro, Brazil
- Welch Technology Center
  Bangalore, India
- Advanced Manufacturing and Software Technology Center
  Detroit, MI
- Global Research Headquarters
  Niskayuna, NY
- O&G Tech Center
  Oklahoma
- Global Research Europe
  Munich, Germany
- Customer Innovation Centers
  China Technology Center
  Shanghai, China

Software CoE
San Ramon, CA

Brazil Technology Center
Customer focused R&D
Rio de Janeiro, Brazil

China Technology Center
Shanghai, China
+ 3 Customer Innovation Centers

O&G Tech Center
Oklahoma

Global Research
Headquarters
Niskayuna, NY

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Leadership in technology

<table>
<thead>
<tr>
<th>Investment ($B)</th>
<th>% rev.</th>
<th>Areas of focus</th>
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<tbody>
<tr>
<td>'05-'07</td>
<td>&lt;5</td>
<td>Software and analytics</td>
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<tr>
<td>'08-'10</td>
<td>~5</td>
<td>• Industrial Internet</td>
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<td></td>
<td></td>
<td>• Services 2.0</td>
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<tr>
<td></td>
<td></td>
<td>• Controls</td>
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<tr>
<td>'11-'13F</td>
<td>~5-6</td>
<td>Advanced manufacturing</td>
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<td></td>
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<td>• Investing in technology</td>
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<td>Leadership in natural gas</td>
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<td></td>
<td></td>
<td>• Innovating for supply</td>
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<td>• Creating demand</td>
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<td></td>
<td>Acquisitions</td>
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<td>Adding value</td>
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Forces shaping the Industrial Internet

GE is a company that builds the machines that make the world work and has access to and deep understanding of the information that can make them work better.

1. Internet
   - Hyper-connectivity: a living network of machines data and people
   - Internet of things: more devices tap into the Internet than people on Earth to use them

2. Intelligent Machines
   - Increasing system intelligence through embedded software
   - Rise of machines: networked devices overtook the global population in 2011

3. Big Data
   - Democratization of data
   - Data overload: 2.5 quintillion bytes of data created every day

4. Analytics
   - Generating data-driven insights
   - Enhancing asset performance by detecting & predicting forecasts
   - Algorithms on installed base
Value of data

Monitor fleet of ~25,000 engines* ... 3.6MM flight records/month

B777

GE90

= 17 sensors/engine

Data

✓ 90,000 flight records analyzed
✓ ~200 parameters per flight record
✓ ~18MM parameters per month

Prognostics
✓ Dispatch reliability
✓ Preventive maintenance
✓ Asset utilization

Prevent failures = CSA margin

Asset productivity
✓ Enhanced service offerings
✓ Airline cost structure
✓ Fuel performance

↑ airline productivity

System optimization
✓ Time & space management
✓ Fuel efficiency
✓ Airspace capacity

Room to grow

✓ Drives strong alignment with customers
✓ Creates productivity in long-term service agreements
✓ Additional revenue streams

*Includes GE, CFM and EA engines. CFM is a 50/50 JV with SNECMA and EA is a 50/50 JV with P&W.
Infusing technology into manufacturing

- Carbon Fiber Composites
- Novel Casting Technology
- Hybrid Laser Welding
- Microwave Brazing
- Nano Spray Coatings
- Printable Diodes
- Magnetic Thermomechanical Processing

2x-7x decrease in material
30-50% increase in yield

Emerging Trends – Additive Manufacturing

Technology Toolkit:
- Additive Design Tools
- Machine Design
- Process Control
- Material Property Tailoring

Processing Options:
- Laser
- Electron-beam
- Cold Spray
- Lithography
Additive Manufacturing/3-D printing

<table>
<thead>
<tr>
<th>Conventional</th>
<th>Additive</th>
</tr>
</thead>
<tbody>
<tr>
<td>Start with a pre-formed billet, which gets formed and machined</td>
<td>Starts with a powder or wire and produces part layer upon layer upon layer</td>
</tr>
<tr>
<td>• Material properties unchanged and cannot be location specific</td>
<td>• Build material properties as you build the part ... location specific</td>
</tr>
<tr>
<td>• Limited to known set of geometries</td>
<td>• More complex geometries possible</td>
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<tr>
<td>• Design constrained by manufacturing</td>
<td>• Allows for faster iterations between design, materials and manufacturing</td>
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<tr>
<td>• Requires extensive tooling</td>
<td>• Minimal tooling required</td>
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Ability to design new materials and implement them during the manufacturing process will create paradigm change
LEAP...not just any NPI

- 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
What are ceramic-matrix composites?

CMCs are silicon carbide fibers in a silicon carbide matrix

- High-temperature
- Not brittle

+500°F + 1/3 weight of metal = 1.5% Fuel efficiency
Leadership in natural gas

400 MW Gas Turbines … 60+% efficiency

Distributed Generation (1-10 MW) … 70+% efficiency

- Innovative Fuel Cell- Gas Engine Hybrid cycle
- Eliminate transmission losses
- Ultra low emissions

Gamechangers
More natural gas use...

Dual Fuel Locomotive

Building on GE’s new T4 diesel
- Common rail injection
- EGR
- Miller cycle

50% lower fuel cost

NG Airplanes

Technically feasible
- Soviet Union...Tupolev Tu-155
- MIT study...commercially attractive

Military early adopter
- Energy security / cost

30% lower fuel cost
Acquisitions
Electric Submersible Pumps (ESPs)

ESPs are used in >60% of global oil production today

New applications (e.g. unconventional oil & gas, subsea, geothermal, mining) demand operation in harsher environments

GE developing new technologies to address the need:

- High Temperature Motor Insulation
- Abrasion & Erosion Resistant Coatings
- Rotordynamics & Bearing Performance
- Monitoring & Diagnostics

GE technology delivering new capabilities to great acquired platform