GE Careers in Energy
GE Overview
GE’s portfolio

- Over 300,000 employees worldwide
- 2009 revenue $157B
- 5 businesses operating in more than 140 countries … 130+ years

**Energy**
- Power & Water
- Energy Services
- Oil & Gas

**Technology Infrastructure**
- Aviation
- Healthcare
- Transportation

**GE Capital**
- Aviation Financial Services
- Consumer Finance
- Energy Financial Services
- Real Estate

**NBC Universal**
- Cable
- Film
- International
- Network
- Sports & Olympics

**Home & Business Sol**
- Appliances & Lighting
- Intelligent Platforms
The World’s Most Valuable Brands.

1. 
2. 
3. 
4. GE is ranked #4
5. 
6. 
7. 
8. 
9. 
10.

GE Around the World ...

2009 revenues total 157 billion with over 300,000 employees.

1 Includes U.S. exports to external customers
2 Includes ~$5B from "Other Global" areas
GE: Careers in Energy
GE Careers in Energy

Power & Water
- Power generation
- Renewables
- Gas engines
- Nuclear
- Gasification
- Water treatment
- Process chemicals

Energy Services
- Contractual agreements
- Smart Grid
- Field services
- Parts and repairs
- Optimization technologies
- Plant management

Oil & Gas
- Drilling/production for land, offshore, subsea
- LNG and pipelines
- Refining/petrochemical
- Industrial power gen
- Complete lifecycle services
GE’s technology producing electricity

Sources
- Oil
- Gas
- Coal
- Uranium

Conversion
Delivery
Consumption
GE’s technology producing electricity

Sources  Conversion  Delivery  Consumption

Gas Turbine

Wind Turbine

Steam Turbine
GE’s technology producing electricity
GE’s technology producing electricity

Sources  Conversion  Delivery  Consumption

From Wellhead to Consumer
Thermal technology ... 
Gas Turbines, Steam Turbines & Generators

Focus Areas: Heat Rate, maintainability & flexibility

- Higher flow compressor with latest 3D aero
- Variable stator vanes
- Fast start capability
- Improved hot day lapse rate performance
- World’s largest last stage bucket
- Lower turndown ... better cyclic capability
Wind technologies ...
Bigger, better, quieter, higher tech

- Longer, larger multi-piece blades
- Lower weight compact drivetrain
- Direct drive technology for Offshore applications
- Integrated power conversion
- Zero voltage ride-thru
- Diagnostics & remote fault monitoring
- Micrositing plant optimization
Gas engine innovation ...
Reciprocating leadership ... wider product range

- New 10MW engine with ~49.5% efficiency
- 20 cylinders, steel pistons
- Two stage turbocharging
- Electronic port valves
- Spark ignition with Miller timing
- Gas, Diesel and Biofuels
- Prototype assembly complete ...
  FSFL test begins in August 2010
- Production 3Q 2011
Aeroderivatives ... Flexible, compact, efficient & numerous opportunities

- Fast start, cyclic operations ... complements Wind farms
- Improved biofuel capabilities for varying flow, lubricity and solvency
- Dual fuel and biodiesel DLE options
- Coke oven gas apps for China/Brazil steel mills
- Developing new H2, C2 and inert gas capabilities
Smart Grid Technologies ...

Offerings

- Advanced Analytics Software
- Mission Critical Control Systems
- Intelligent Electronic Devices
- Advanced Sensors & Diagnostics
- Wireless & Fiber Optic Comm’s Systems
- Smart Metering & Smart Homes

Accelerating The Adoption of Green Energy

Empowering The Consumer
Systems Engineering
Complex, Integrated Solutions, Breaking Boundaries

• Bridging Business and Technology... from requirements to solutions

• Modeling and Simulation... early visualization means total understanding

• Advanced Analysis... integration studies for optimizing alternatives

• Architecture... driving engineering guidelines, practices, and standards

• Infrastructure... providing a critical foundation
A Diverse Energy Portfolio to meet any outcome

Gas  Wind  Nuclear  Steam  Smart Grid
Biomass  Pipeline Integrity  Water Technologies  Cleaner Coal  Oil & Gas
Summary

• GE...A legacy since 1878

• 5 Businesses... Energy Infrastructure
  Technology Infrastructure
  GE Capital
  NBC Universal
  Home & Business Solutions

• >300,000 employees and $157B in Revenues

• 4th Most Valuable Brand in the World

• GE Energy Careers... Power & Water
  Energy Services
  Oil & Gas
Questions?