

GE Energy is one of the world's leading suppliers of power generation and energy delivery technologies—providing a broad array of solutions for traditionally fueled plants as well as those driven by renewable resources such as wind, solar and biogas. As a part of GE Infrastructure—which also includes the Water, Rail, Aviation and Oil & Gas businesses—we have the worldwide resources and experience to help customers meet their needs for cleaner, more reliable and efficient energy.

- 2007 revenue: \$21.8 billion
- Employees: ~40,000

- Operating in ~100 countries worldwide
- Serving the power industry for more than a century

Installed equipment

Gas turbines (heavy duty and aeroderivative): >10,200 units

Dry Low NO_x systems: >1,750 units

Steam turbines: >3,980 units

Gas engines: >8,000 units

Wind turbines: >8,850 units

Gasification: 62 facilities

Nuclear: 62 plants

Controls & condition monitoring systems: 50,000 installations

Fabric filters: 7.5 million

Gas turbine inlet systems: 2,500

POWER GENERATION

Thermal

Heavy duty equipment:

- Gas turbines and combined cycle 40 – 520 MW
- Steam turbines 40 – 1,500 MW
- Generators

Aeroderivative gas turbines:

- Industrial and marine 18 – 100 MW
- Trailer mounted 22 MW units

Gas engines:

- 250 kW – 3 MW
- Generator sets
- Cogeneration units
- Container versions

Gasification:

- Integrated Gasification Combined Cycle (IGCC) plants
- Gasification technology licensing
- Syngas-fueled gas turbines

Renewables

Wind:

- Turbines 1.5 – 3.6 MW / onshore and offshore

Solar:

- Modules 66 – 200 watts grid connected and stand alone

Biomass:

- Gas engines with fuel flexibility: e.g., natural gas, biogases, landfill gas, and other special gases

Nuclear: GE Hitachi Nuclear Energy and Global Nuclear Fuel

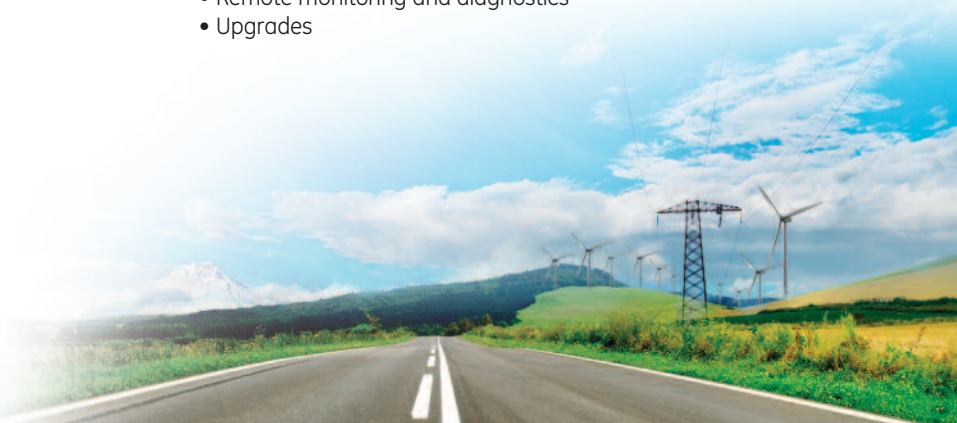
- ABWR and ESBWR
- Advanced nuclear fuel
- CANDU fuel and services
- Uranium enrichment services

- Reactor and field services
- Performance services
- Nuclear isotopes

SERVICES

- Air pollution control
- Asset lifecycle extension
- Asset optimization and control
- Contractual service agreements
- Multi-vendor services
- Oilfield downhole drilling and wireline technology

- Outage and field services
- Parts, repairs and inspections
- Remote monitoring and diagnostics
- Upgrades



Industrial Applications

As a global leader in industrial applications, including power generation, power delivery, power utilization and process applications, GE Energy offers a unique range of solutions and experience across industries such as oil and gas, cement, chemical, metals, mining, refinery, steel, and pulp and paper.

Working closely with our customers, we are developing solutions to improve plant productivity and environmental impact. With decades of research and experience in real world applications, we offer flexible fueling options for gas turbine operations. And our service portfolio covers both asset optimization and control—as well as a wide variety of repairs for equipment such as switchgear, motors and transformers.



Energy Delivery

GE Energy is a Smart Grid solutions partner to the electrical distribution industry, enabling utilities to boost productivity and increase reliability while also reducing their environmental footprint. Integrating real-time data and information management systems, GE's grid intelligence solutions optimize enterprise management and asset performance—while empowering consumers to control and monitor their electricity spend and usage. Our revolutionary Smart Grid technology and vast resources—combined with strategic business partnerships—are helping utilities, businesses, and consumers work together to meet the energy and environmental challenges facing our planet.

Innovation

Synergy across our broad base of GE businesses creates a culture of innovation that continually expands the boundaries of technology. A key driver of this innovation is ecomagination, our company-wide commitment to introduce new technologies that help customers meet pressing environmental challenges. We are committed to doubling our research investment in cleaner technologies to \$1.5 billion annually by 2010. Some of our breakthroughs in cleaner technologies are listed below.

GE's Dry Low NO_x technology for gas turbines results in lower NO_x and CO₂ emissions and increased turndown capability—while enabling fuel cost savings.

A single one of our compact 4 MW J624 GS Jenbacher gas engines—the world's first 24-cylinder engine—can meet the power requirements of approximately 9,000 European households.

GE Energy's "Cleaner Coal" IGCC system—which converts coal into syngas fuel for gas turbine combined cycle systems—can generate electricity with an emissions profile approaching that of natural gas combined cycle, and is an economical choice for carbon capture retrofit.

With unparalleled efficiency and 10-minute start times, our LMS100 aeroderivative gas turbine can produce 100 MW for a wide range of applications—including peaking, wind firming, and desalination.

GE Hitachi's 1,520 MW ESBWR nuclear reactor can generate electricity while producing nearly zero greenhouse gas emissions. Compared to the current mix of U.S. electricity, this technology would avoid the emission of 7.4 million tons of greenhouse gases per year.

Our expanding environmental services portfolio contains six ecomagination products that help customers improve air quality and create efficiencies in utility and industrial applications.

GE's gas engines (for use with biogas, landfill gas and coal mine gas) are certified ecomagination products that allow customers to generate cost-effective, high-output power from alternative fuels—while substantially reducing emissions from their operations.

Every day at GE Energy, employees across the company strive to "own quality"—which means getting it right the first time, on-time, so we can provide the best possible products and services to our customers.

This personal commitment to always deliver the best possible value is woven into the fabric of everything we do at GE Energy.



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