Tier 1 & 2 Business and Product Offerings

NEW ORGANIZATION STRUCTURE

Senerge and New York USA

GBB/B/G/MAI/AGB/B/M

Paris France



GE POWER Steve Bolze, CEO Schenectady, NY



GE ENERGY MANAGEMENT Russell Stokes, CEO Chicago, IL



GE RENEWABLE ENERGY Jérôme Pécresse, CEO Paris, France



GAS POWER SYSTEMS Joe Mastrangelo Schenectady NY



DISTRIBUTED POWER Lorraine Bolsinger West Chester, OH



GRID SOLUTIONS Grégoire Poux-Guillaume Paris, France



HYDRO

Yves Rannou

Paris, France



GE HITACHI NUCLEAR Jay Wileman Wilmington, NC



STEAM POWER SYSTEMS Andreas Lusch Baden, Switzerland



INDUSTRIAL SOLUTIONS <mark>Bob Gilligan</mark> Atlanta, GA



OFFSHORE WIND Anders Soe-Jensen Nantes, France



POWER SERVICES
Paul McElhinney
Baden, Switzerland



WATER & PROCESS TECHNOLOGIES Heiner Markhoff Trevose, PA



POWER CONVERSION Stephan Reimelt Paris, France



ONSHORE WIND Anne McEntee Schenectody, NY

GE POWER

 \sim \$28B'14 revenue \sim 65,000 employees >120 countries



Steve 8olze, CEO Schenectady, NY

Ges Power Systems

High Efficiency, Scale Power

- Power Plants (combined & simple cycle)
- Gas Turbines
- Steam Turbines
- Generators & Controls
- Heat Recovery Steam Generators



Payvan Sarvats

Optimizing Plant Performance

- · Installation planning/execution
- Maintenance, repairs & outage solutions
- Multi-year service agreements
- Hardware/software blended upgrades
- Data-driven software solutions



Worker & Propagate Teles

Energy Efficient Water Solutions

- Chemical & Monitoring Solutions
- * Engineered Systems
- · Mobile Water
- Build-Own-Operate Services



Steam Power Systems

Advanced Steam Power Expertise

- Complete portfolio, turnkey power plants
- Widest range of generators & Steam Turbines
- Air Quality Control Systems (AQCS) including CCS
- Turbine Island
 Solutions for Nuclear

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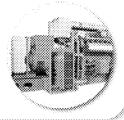
Advanced Reactor Technologies

- ESBWR, ABWR, PRISM
- Outage & Asset Optimization Services
- Fuels & Engineering Services



Broad, Efficient Portfolio

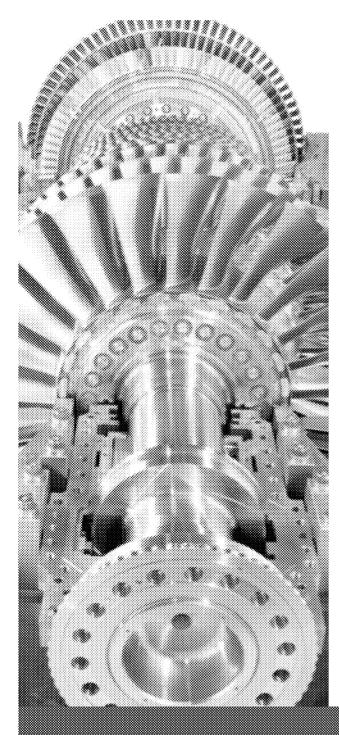
- Reciprocating engines (0.1 to 10MW)
- Jenbacher engines, pwr equip. & services
- High efficiency & fuel flexibility: Natural gas, CHP, oilfield power, diesel & special gas applications





Diverse Teannology & Services Solutions

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GE POWER

GAS POWER SYSTEMS



Joe Mastrangelo Schenectady, NY

Overview

GE's Gas Power Systems business is the global industry leader in efficient, reliable, and cost-effective conversion of fuel to power, serving a wide range of applications from small, mobile power to highly efficient, utility scale power plants. With our substantial technology heritage and the largest delivered fleet of gas turbines of any provider in the world, our specialized plant solutions address unique customer challenges, providing increased performance, fuel efficiency, lower emissions and operational flexibility.

Offerings include

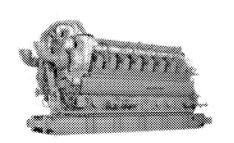
- Simple Cycle Power Plant
- Combined Cycle Power Plant
- Gas Turbines: 20-520MW
- Steam Turbines: 80-700MW
- Generators & Controls
- Heat Recovery Steam Generators

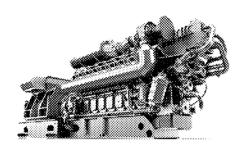
Applications

- Electrical Power
- Combined Heat & Power
- Mechanical Drive
- Fast Power
- Waste-to-Power
- Combined Cycle Add-on
- Repower

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DISTRIBUTED POWER



Larraine Bolsinger West Chester, OH

Overview

GE Power Distributed Power business is a leading provider of engines, power equipment and services, focused on power generation at or near the point of use. Distributed Power's product portfolio includes highly efficient industrial reciprocating engines that generate 100 kW to 10 MW of power for numerous industries globally.

Service Offerings

GE's global service network provides life cycle support for more than 35,000 reciprocating engines worldwide – anywhere and anytime, backed by our authorized service providers in more than 170 countries.

Products Include

Power Generation

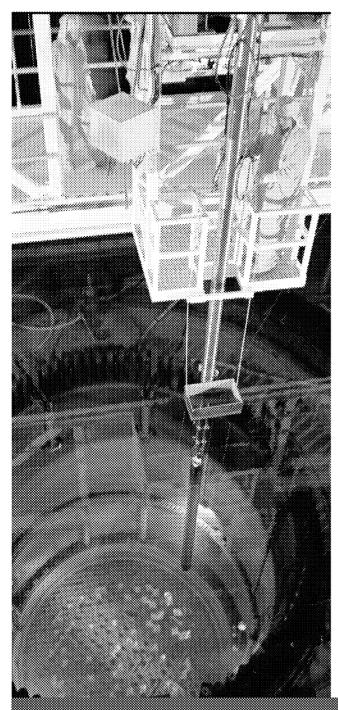
- Electrical output: 120 –
 9,500 kW, el. efficiency up to 49%, overall efficiency up to 95%
- 22,000+ engines delivered,
 23,000 MW power globally
- Natural gas,CHP, excellence in special gas applications (biogas, LFG, CMG, BFG), oilfield power

Gas Compression

- Output: 160 bhp –
 5,000 bhp (119 kW –
 3,728 kW)
- 13,000+ compression engines delivered, over 13.2 million bhp power alobally (9,850 MW)
- Wellhead, gathering, storage/transmission

Diesel

- Output: 1,397 5,065 kW
- High degree of availability of up to 99%
- Since 1993 ~500 stationary diesel engines delivered



GF POWER

GE HITACHI NUCLEAR ENERGY



Jay Wileman Wilmington, NC

Overview

GE Hitachi Nuclear Energy (GEH) is a world-leading provider of advanced reactors, nuclear fuel and services. GEH is a joint venture between GE and Hitachi and is majority owned by GE. The company has a global presence with customers around the world and manufacturing facilities in the U.S., Canada and Japan.

Service Offerings

Nuclear Plant Projects

 For nearly 60 years GEH has been developing the world's safest boiling water reactors.
 Today we offer the two safest reactors and have developed a sodium cooled reactor to recycle used nuclear fuel.

Nuclear Fuels and Services

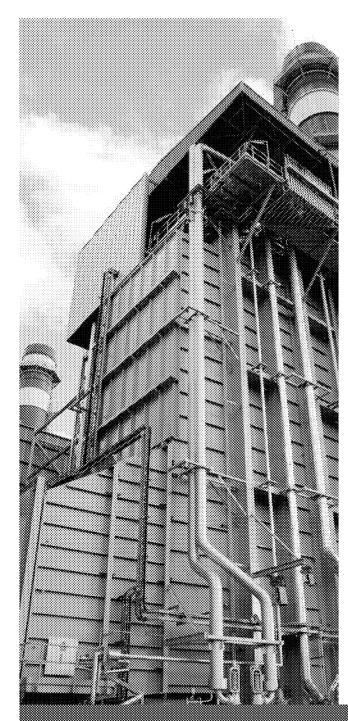
 GEH remains focused on technologies and services that matter most to our customers: increasing plant performance, dose reduction, plant life extension and outage management.

Products & Services

- ESBWR
- ABWR
- PRISM
- Parts
- · Reactor outage services
- Asset Management Services
- Fuel Products

- Fuel Engineering Services
- Uranium Services
- Enrichment Services

Readers in Wilmington NCUSA



STEAM POWER SYSTEMS



<mark>Andreas Lusch</mark> Baden, Switzerland

Overview

Steam Power Systems delivers unmatched expertise with the broadest range of technologies to help customers deliver power to people around the world. We use abundantly available fuels like coal, oil and nuclear to efficiently produce power and provide performance over the life of a power plant. We put a century of steam power expertise to work for customers every day.

Offerings include

From single components to complete turnkey power plants our products include:

- · Boilers for all fuels
- Broadest range of generators and steam turbines
- Air Quality Control Systems (AQCS) including CCS
- Turbine Island solutions for Nuclear Plants

We are:

- A leading global contractor in power plants and integrated offerings
- The supplier of the largest Nuclear turbines in operation worldwide for the past 10 years
- A supplier with the broadest component portfolio for all coalfired power plants
- One of the only companies that manufactures the most advanced products in competitive markets.

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POWER SERVICES



Paul McElhinney Baden, Switzerland

Overview

Through close customer collaboration, Power Services delivers tailored solutions across total plant assets and their operational lifetime to help customers achieve productive business outcomes. Power Services has capabilities and expertise to service and support 90+ OEM brands in 150+ countries. By keeping customers at the center of everything we do, our team helps them identify new revenue opportunities, lower operating costs and implement flexible technologies.

Service Offerings

- Installation planning/execution for efficient site commissioning
- Custom maintenance, repairs & outage solutions for high reliability
- Multi-year service agreements for long-term value
- Hardware & software blended upgrades to expand performance, asset life
- Data-driven software solutions for predictive decision-making
- Total plant system solutions to optimize operational value

Products Include

- H-class gas turbines
- F class gas turbines
- 8-class gas turbines
- · E-class gas turbines
- Other OEM gas turbines (incl. MHI and Siemens)

- · Aeroderivative gas turbines
- Steam turbines
- Generators
- Boilers
- · Heat Recovery Steam Generator
- Air Quality Control Systems

Headauanters in Baiden Switzerland



WATER & PROCESS TECHNOLOGIES



Overview

Providing our customers with technology, expertise, and predictive analytics to enhance their water, wastewater, and process productivity.

Products

Chemical & Monitoring Solutions

- Cooling, Boiler, Industrial Process, Hydrocarbon Process and Wastewater Chemistries
- Integrated Solutions for Refining
- Styrene & Ethylene Additives
- Oilfield Chemicals
- Coal Handling and Dust Control
- Remote Monitoring & Diagnostic Solutions

Engineered Systems

- Ultrafiltration/Membrane Bioreactor Systems
- · Advanced Anaerobic Digestion
- Mobile Water and Water Outsourcing Solutions
- Thermal/Zero Liquid Discharge
- Reverse Osmosis/Electrolytic Systems
- Filters & Membranes
- Advanced Biological Metals Removal (ABMet)
- Analytical Instruments

Recognition testing PA USA

GE ENERGY MANAGEMENT

 \sim \$118'14 revenue >47,000 employees >150 countries



Russell Stokes, CEO Atlanta, GA

We create advanced technologies that safely, reliably and efficiently distribute and control electricity to protect people, property and equipment; We also provide high performance control solutions for a connected world.

We apply the science and systems of power conversion to help drive the electric transformation of the world's energy infrastructure.

Grid Solutions, a GE and Alstom joint venture, is serving customers globally with over 20,000 employees in 80 countries. Grid Solutions equips 90% of power utilities worldwide to bring power reliably and efficiently from the point of generation to end power consumers.



Morine



Grid



Oil & Gas



Heavy Industry



Commercial & Industrial Construction



Renewables



Telecom & Data Centers

Solutions to domandovis energy challenges



Helping to meet tomorrow's ENERGY DEMAND



Addressing
AGING INFRASTRUCTURE
around the world



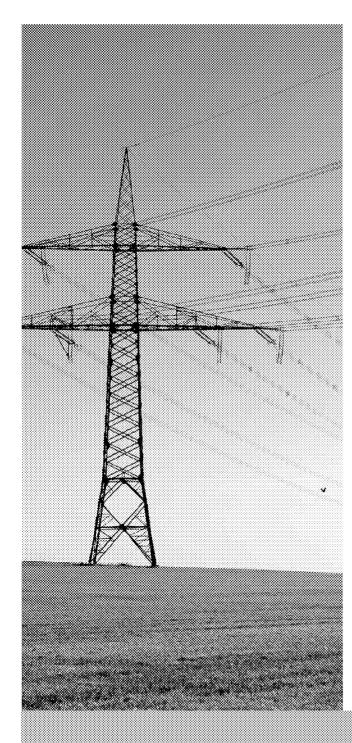
Helping our customers meet EFFICIENCY needs



DIVERSIFICATION in energy sources



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GE ENERGY MANAGEMENT

GRID SOLUTIONS



Gréacire Poux-Guillaume Paris, France

Overview

Grid Solutions, a GE and Alstom joint venture, is serving customers alobally with over 20,000 employees in 80 countries. Grid Solutions equips 90% of power utilities worldwide to bring power reliably and efficiently from the point of generation to end power consumers.

Service Offerings

Projects & Services

- Turnkey Projects & Consultina
- Electric Balance of Plant
- High Voltage Substations
- Life Cycle Management

Products Include

- Smart Controls & Sensors
- Motors & Generators
- Drives
- Automation & Control
- Power Conversion Services
- Software Solutions
- Predictive Analytics
- HV/MV Power Equipment

- Power Delivery Projects
- Dvnamic SVC
- Economics & Regulatory Consultina
- Power Systems Operation & Plannina
- Global Power Project Consulting

MV/LV Electrical Distribution Equipment



GE ENERGY MANAGEMENT

INDUSTRIAL SOLUTIONS



Bob Gilligan Atlanta, GA

Overview

We create advanced technologies that safely, reliably and efficiently distribute and control electricity to protect people, property and equipment; We also provide high performance control solutions for a connected world.

Service Offerings

Field Services

- Repairs
- Parts

Products

Power Equipment

- Medium Voltage
- Power Delivery
- Low Voltage

Critical Power

- · AC
- DC
- Embedded

Power Comp's

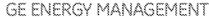
- Breakers
- Contactors
- Accessories

Automation & Controls

- Process & Distributed Control Systems
- Operator Interfaces & SCADA Software
- Industrial Computers & Monitors







POWER CONVERSION



Stephan Reimelt Paris France

Overview

We apply the science and systems of power conversion to help drive the electric transformation of the world's energy infrastructure

Service Offerings

- Life cycle Expansion Projects
- Capacity Uparades
- Spare & Replacement Parts

- Contractual Services
- Responsive Support
- Mobile & Interactive Training

Products

ROTATING MACHINES

- · High quality & high Performance
- Global manufacturing capability
- · Comply with global standards and certifications

POWER FLECTRONICS

- High power density
- High reliability and availability
- · Power scalability

CONTROL & AUTOMATION

- · Innovative design and supply of automation and control solutions
- High efficiency and asset availability



MOTORS

Induction and Synchronous Technology

- Speed: 40 to 20'000 RPM
- Power: 200kW to 80 MW •
- Voltage: up to 13.8 kV



GENERATORS

Permanent Magnet and Doubly Fed Induction

- Speed: 6 to 22 pole range
- Power: 2,500 to 80,000 kVA \bullet Input voltage: 3 to 10 kV $\pm 10\%$
- Voltage: Up to 22 kV
- · Frequency: 50 Hz or 60 Hz

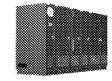
For Power Generation From

- · Gas, steam, hydro, wind turbines
- Gas and diesel reciprocating engines



MV ORIVES

- Output power: 3 81 MW
- · Output voltage: up to 10 kV
- · Output frequency: up to 90 Hz
- · Input frequency: 50 or 60 Hz



IV DRIVES

A comprehensive range of Low Voltage drives for:

- Wind
- Solar
- Power Gen.
- Marine and
- Industrial applications



CONTROL & AUTOMATION

Drives & Systems C&A

- · High Performance Controller (HPCi)
- · Power Electronic Controller (PECe)
- · VISOR 2.0 Asset Mamt. Digital Marine
- SeaStream™ DP
- SeaStream™ Insight
- · Power & Propulsion Automation system





GE RENEWABLE ENERGY

 \sim \$98'14 revenue > 12,000 employees > 39 countries



Paris, France

On Shore Wind

Delivering low cost energy solutions with differentiated products & services

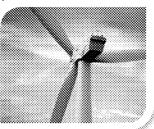
2 & 3MW wind turbine platforms
Optimizing hardware to get the most out of the wind resource

Wind Services

Focus on customer outcomes, realizing 1 AEP and profit over the lifetime of the fleet

Digital Wind Farm

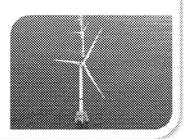
A farm level solution: dynamic, connected and adaptable wind energy ecosystem



Offshore Wind

Setting the benchmark for the marine energies market.

- Fixed bottom offshore wind turbines: Haliade™ 150-6MW
- Floating offshore wind turbines: Haliade™ 150-6MW
- Wind services (preventive and corrective maintenance)
- Tidal turbines:
 Oceade™ 18-1.4MW
 Oceade™ tidal turbines platform



Hydro

Leading the hydropower market

Hydropower solutions, products and services for:

- Low head hydropower plants
- Medium head hydropower plants
- High head hydropower plants
- · Pumped storage hydropower plants
- · Small hydropower plants





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GERENEWARIE ENERGY

ONSHORE WIND



Anne McEntee Schenectady, NY

Overview

GE is committed to our customers' success in wind. We offer a focused portfolio of products & services to enhance site economics and performance over the life of your wind farm, making renewables the energy of choice for a cleaner future.

Service Offerings

A range of flexible solutions using big data to optimize output, productivity and revenue. GE's PowerUp Services* offering is a set of software and hardware upgrades, helping customers realize ~5% ↑ AEP, 20% ↑ profit.

Products Include

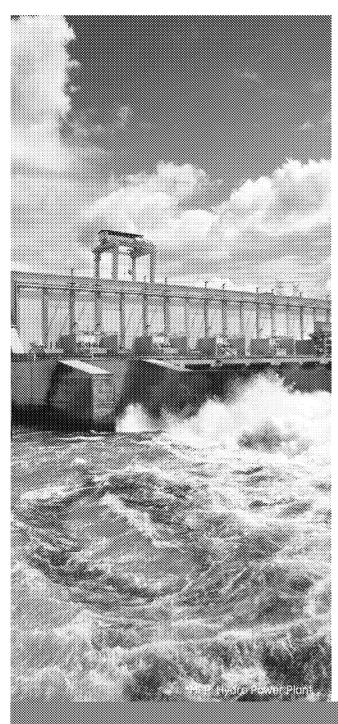
2 & 3MW platforms

- Broad family of smart, modular turbines
- Customizable solution varying nameplate, rotor diameter, tower height – to fit unique pad conditions

Digital wind farm

- A comprehensive, farm level solution - dynamic, connected and adaptable wind energy ecosystem
- Utilizing software to get the most out of your hardware

^{*}Trademark of General Electric Company



GF RENEWARI F ENERGY

HYDRO

١,

Yves Rannou Paris, France

Overview

GE covers all hydro needs from equipment to services, for new power plants and the installed base, leveraging local experts within a global network of R&D, manufacturing and services centres. Integrating cuttingedge and digital technologies, GE delivers the most value to its customers, while providing sustainable energy and enhancing reliability and flexibility to meet today's market challenges.

• 125 years of experience accounting for over 25% of global hydropower capacity

Service Offerings

Lifecycle management for a competitive advantage

Hydro PlantLife®, an asset optimization portfolio for fleets, plants and components to assess (evaluate/analyse), to help secure and extend (maintain optimum performance) and to reset and upgrade (modernise for more profitability)

- 6.000 assessments on over 2.000 generators worldwide
- 75% shorter outages on average with "Pit stop" generator retrofits

Products Include

Single component and one-stop turnkey HPP* construction from initial design to final commissioning

- All turbines: bulb, Kaplan, propeller Francis, Pelton, pumps
- All generators including fixed and variable speed motor-generators
- Control Systems, Hydro Mechanical Equipment and Balance of Plant
- 98.7% efficiency measured on 778MVA gen. (Three Gorges/China)
- PSP: 90" from idle to full power generation

^{*}Trademark of General Electric Company



GERENEWARIE ENERGY

OFFSHORE WIND



Anders Soe Jensen Nantes France

Overview

Poised to become a global leader in the rapidly growing marine renewable energies market, GE teams develop - in close collaboration - outstanding offshore wind and tidal technologies. An ambitious industrial plan at several locations in France to serve world markets.

Service Offerings

Optimizing wind power generation lifetime output

- Preventive maintenance
- Corrective maintenance

Products Include

High yield offshore wind turbine, Haliade™ 150-6MW:

- Compatible with bottom fixed and floating foundations
- Innovative technology: Pure Torque® design (90% of non torque loads diverted),
 «Advanced High Density » directdrive Permanent Magnet Generator

Efficient, cost-effective and easy-to-maintain solutions

- Tidal turbines: Oceade™ 18-1.4MW
- Oceade™ tidal turbines platform
- · Electrical subsea hub

Projects

- 238 x Haliade™ in France, the world's second-largest maritime zone
- 5 x Haliade™ in Block Island: the 1st US commercial offshore wind farm
- 66 x Haliade™ in the North Sea: one of the largest wind farms in Germany