

GE Oil & Gas

GE Oil & Gas is a world leader in advanced technology equipment and services for all segments of the oil and gas industry, from drilling and production, LNG, pipelines and storage to industrial power generation, refining and petrochemical. We also provide pipeline integrity solutions, including inspection and data management. As part of our 'Innovation Now' customer focus and commitment, we leverage synergies from across the entire GE technology network, taking leading solutions from other industries such as Aviation, Healthcare and Telecommunications, and adapting them to improve performance in the oil and gas industry.

Our numbers	Installed Base	
2009 revenue: \$7.7 billion	Compressors: 11,000	Surface systems: more than 100,000 in production
Employees: more than 12,000	Turbines: 5,000	Subsea drilling systems: used on 50% of all subsea wells
Operating in 100 countries worldwide	Centrifugal pumps: 18,000	Subsea production: more than 1,000 systems installed
Serving the oil and gas industry for more than a century	Turboexpanders: 2,000	Capital drilling systems: used on 85% of floating rigs
	Air-cooled heat exchangers: 40,000	Floating production systems: used on >50% of all FPSs
	Heavy wall reactors and steam condensers: more than 200	Total pipelines inspected: 630,000 km

Surface and Subsea Drilling Systems

All the equipment required for drilling and completing a well, on land or subsea, including a complete line of customized wellhead systems that deliver "next level" advanced performance to meet the most demanding operating conditions.

Applications

- Onshore drilling systems
- Offshore surface systems
- Subsea drilling systems
- Capital drilling systems
- Floating drilling systems

Products and Services (Drilling)

- Blowout preventers (BOP)
- BOP connectors
- Casing connectors
- Choke valves
- Diverter systems
- Drilling BOP control systems
- Drillstem valves
- Elastomers
- Gate valves
- Installation tooling and service
- Marine risers
- Mudline suspension
- Pulsation dampeners
- Subsea wellheads
- Surface wellheads



Oil and Gas Production

The most comprehensive range of equipment and services for onshore, offshore and subsea applications, providing long life and reliability even under extreme operating temperatures and pressure levels.

Applications

- Gas processing and treatment
- Gas and water injection
- Subsea processing and power
- Gas re-injection
- Gas lift
- Liquefied natural gas (LNG)
- Gas export
- Power generation

Products and Services

- Subsea control systems
- Subsea tree systems
- Subsea separation
- Subsea electrical connections
- Subsea flowline connections
- Subsea manifolds
- Flow assurance systems
- Aeroderivative gas turbines
- Heavy-duty gas turbines
- Compressors
- Turboexpanders
- API 6A and 6D valves
- Air-cooled heat exchangers
- Surface tree systems
- Manifolds and templates
- Power distribution systems
- Protective structures
- Intervention systems
- Intelligent well technology
- Pipeline integrity management

Transportation and Storage

Our leadership in this area covers design, manufacturing and services for every stage of the process from production plants to distribution points, including gas storage and subsea pipelines.

Applications

- Oil and gas transmission pipelines
- Gas storage
- Gas gathering
- Power generation

Products and Services

- Aeroderivative gas turbines
- Heavy-duty gas turbines
- Compressors
- Pipeline integrity management
- Oil pumps driven by gas turbines or electric motors
- High-speed reciprocating compressors
- Air-cooled heat exchangers
- Reducing and metering stations
- Accessory equipment such as ball valves and process coolers



Refinery and Petrochemicals

Our expertise spans the full range of traditional applications such as crude oil refining, through to emerging technologies that help meet the global need for clean fuels, including gas-to-liquids processing. We design, manufacture and service equipment to meet individual plant requirements and offer the advantage of multi-product integrated solutions:

Applications

- Petrochemicals
- Refining
- Gas-to-liquids
- Power generation

Products and Services

- Compressors
- Steam turbines
- Heavy-duty gas turbines
- Reactors
- Steam condensers
- Centrifugal pumps
- Valves
- Air-cooled heat exchangers
- Reducing and metering systems

Floating Production Systems

Our portfolio encompasses the supply of specialized products and services for various forms of floating production platforms, e.g., TLPs, SPARs, hybrid riser towers, FPSOs, etc. Thanks to innovative product development and high quality manufacturing – supported by world-class analytical capabilities, design and development studies, installation experience and operational data – GE has a long and distinguished track record as a world leader and innovator for tomorrow's ultra-deep, high pressure and high temperature developments.

Global Services

We provide custom engineered solutions to maintain and enhance performance over the complete life cycle of oil and gas customer assets. Our offering spans from traditional services including spare parts supply, field service and technical assistance and repairs, to state-of-the-art technology for greater reliability and availability of installed equipment:

- OEM spare parts, maintenance, repairs and consultative services to optimize facility maintenance and operating expense
- A full range of technical support and troubleshooting, including continuous real-time remote monitoring of facilities and equipment
- Comprehensive solutions ranging from system and equipment upgrades to debottlenecking projects and environmental services
- Contractual Service Agreements to maintain facilities, systems and pipelines at benchmark reliability and availability

Pipeline Inspection and Integrity

We provide a comprehensive range of reliable pipeline inspection services for both oil and gas applications, including the industry's most advanced in-line inspection tools and highly experienced in-field service teams who tailor solutions to meet specific client needs around typical threats to pipelines.

- Metal loss and corrosion
- Cracking including SCC
- Mechanical damage
- Direct assessment
- Solutions for unpiggable pipelines
- Extensive field and repair services and mapping

Beyond inspection, we have a unique, comprehensive range of Pipeline Integrity Services that minimize downtime, extend asset operating life, reduce operating costs, enhance pipeline safety and demonstrate regulatory compliance:

- Integrity engineering and management
- GIS and data management software solutions
- Continuous third-party impact damage detection

Industrial Power Generation

We provide turnkey modules for every sector of the oil and gas industry, as well as for solar and geothermal applications – and lifecycle services from feasibility studies to operations and contractual maintenance – including equipment, basic and detailed engineering, balance of plant, erection and installation services.

Our installation, commissioning and outage services are backed by more than 1,200 trained and certified Field Engineers and our aftermarket capabilities in 46 key locations provide spare parts, rental tools for upstream applications, and repairs for 24/7 customer service to keep the oil and gas flowing.



Environmentally responsible growth

Launched in 2005, ecomagination is GE's commitment to develop innovative technologies that help customers address their environmental and financial needs while helping GE to grow responsibly. For a product to be certified in the ecomagination initiative it must significantly and measurably improve environmental and operating performance. Today, GE's product

portfolio includes over 80 energy efficient and environmentally advantageous products and services.

ecomagination.com



GE imagination at work

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