About GE

GE (NYSE: GE) is the world's Digital Industrial Company, transforming industry with software-defined machines and solutions that are connected, responsive and predictive. GE is organized around a global exchange of knowledge, the “GE Store,” through which each business shares and accesses the same technology, markets, structure and intellect. Each invention further fuels innovation and application across our industrial sectors. With people, services, technology and scale, GE delivers better outcomes for customers by speaking the language of industry.

GE in Singapore

GE is one of the pioneering companies who set up manufacturing operations in 1969 in Jurong—Singapore's first modern industrial estate. Our operations have developed in tandem with Singapore’s aspirations from low wage assembly to a high technology, value adding solutions provider and a regional hub for commercial operations and financial services. Our people perform important tasks in complex manufacturing, engineering services, research and customer applications development, leadership development and regional commercial operations.

To improve productivity and sustain economic growth, Singapore continues to develop its talent pool, modernize infrastructure and systems, adopt new technologies/business models, and innovate. Local companies and government agencies are also leveraging their combined expertise to grow their businesses and influence outside of Singapore.

Singapore’s pro-business environment, reliable and efficient infrastructure, pool of global talent and forward looking companies provide GE with a stable and well-networked platform for growth. GE continues to find exciting growth opportunities in Singapore in Aviation, Healthcare, Energy, Water, Offshore & Marine, Grid Solutions and Smart Nation (cloud, cyber-security & data analytics). These opportunities extend into other global markets where Singapore companies compete in.

At a Glance

Historical Footprint
GE 1969; Alstom 1964

Number of Employees
3,590+ employees, of which 1700+ are professionals, representing our largest talent pool in ASEAN

Major Locations
All major businesses of GE (Aviation, Capital, Digital, Energy Connections, Healthcare, Lighting, Power, Oil & Gas, Renewables and Transportation) are represented in Singapore.

- **Corporate HQ:** North Buona Vista
- **Grid Solutions & Grid Automation Office:** Techlink @ Kaki Bukit Road 3
- **4 Manufacturing operations:**
  - Aviation engine component repair (Loyang Way)
  - Gas/steam turbine repair (Pioneer Sector 3)
- GE Healthcare Life Sciences (cell culture media) and re-manufacturing of GEHC equipment (Tuas South)
- Subsea (risers, wellheads, christmas trees) (Benoi)

- **5 Engineering/application development teams:**
  - Aviation (Loyang Way)
  - Grid Solutions (Kaki Bukit)
  - Oil & Gas Digital (Lok Yang Way)
  - Power Conversion (North Buona Vista)
  - Surface and subsea systems (Benoi)

- **1 R&D center for Water** (Kent Ridge) focused on:
  - Novel application development (low energy desalination and enhanced waste water recovery)
  - Analytical & Membrane Chemicals Technology, Asia Pacific (COEs on Membrane Autopsy, Resin Analytics, UPW Analytics and Water Sustainability Analytics)

- **2 joint R&D collaborations between and GE Healthcare and GE Aviation with Agency for Science, Technology & Research (A*STAR).**

- **Power Services Operations & Maintenance Site:** Tuas CCP5, Keppel I, Keppel IIA & IIB

Our regional investment holding company, GE Pacific Private Ltd, owns 19+ subsidiaries in over 6 countries.

**GE works on things that matter to Singapore**

**GE Healthcare**

GE Healthcare provides transformational medical technologies and services to meet the demand for increased access, enhanced quality and more affordable healthcare around the world.

Our 300+ staff work to provide solutions in diagnostic imaging departments, operating theatres and high acuity wards throughout the country, and we have significant presence in both the private and government sectors—especially public hospitals and national specialty centers. Our customers include Asia HealthPartners, Tan Tock Seng Hospital, National University Hospital, Raffles Medical, Singapore General Hospital and Mount Elizabeth Hospitals.

- As Singapore's capabilities grow and customers demand higher technology products and services, GE will continue to deepen our technological base in Singapore. In March 2014, we inherited our first GE Healthcare Lifesciences manufacturing facility in Singapore, when Thermo Fisher Scientific completed the sale of its cell culture, gene modulation and magnetic beads businesses to GE Healthcare Lifesciences.
- In December 2014, GE launched the GoldSeal remanufacturing program in ASEAN. This is an initiative by GE to buy back, restore and resell used GE lab equipment. The certified process involves decontamination, replacement with original GE Healthcare parts, extensive post-refurbishment testing and updated software. It has the same one-year warranty as new equipment.
- Co-located with the GoldSeal facility is GE Healthcare Lifesciences training facility that caters to GE's global bio-pharmaceutical customers. With equipment ranging from cell culture bioreactors to surface plasmon resonance systems and super resolution microscopes, the
facility provides critical hands-on training for users from the proof-of-concept stage to scale-up manufacturing.

- The facility can also provide support to academic researchers working on interaction studies as well as private companies which are increasingly using surface plasmon resonance for quality control processes, particularly in the emerging field of biologics.
- Even non-scientific users stand to benefit from the new facilities. The DNA Scan Rapid DNA Analysis System facilitates crime scene DNA profiling, giving results in less than 90 minutes and paving the way for future applications in border control, immigration and disaster victim identification.
- Also sealed in December 2014 was a joint R&D collaboration between The Agency for Science, Technology and Research (A*STAR) and GE Healthcare.
- The collaboration deepens GE’s engagements locally and signifies confidence in Singapore’s medtech R&D capabilities. The five-year, US$20M joint investment from A*STAR and GE Healthcare focus on co-innovation in areas such as:
  - Comprehensive, end-to-end patient monitoring to increase access to quality and lower cost health services via the internet and mobile devices.
  - Better quality Computed Tomography (CT) and Magnetic Resonance Imaging (MRI) that will help clinicians prescribe improved treatment for patients, through enhanced accuracy in the diagnosis of illnesses, including neurological disorders, heart disease and cancer.

**GE Aviation**

The 1,600+ man strong GE Aviation Engine Services Singapore (GE AESS) provides aircraft engine component manufacturing and repair services. Notably, the Singapore plant is one of GE Aviation’s most efficient worldwide, serving more than 25 customers and contributing more than 20% of its global footprint.

- GE Aviation Engine Services-Singapore, our aircraft engine component repair facility, celebrated its 35 years of operations in Singapore in February 2016 and announced its plan to invest S$110M in the facility during the next 10 years. The investment will fund several projects, including:
  - A Lean Lab for Advanced Manufacturing
  - An Advanced Technology Center for research and development (for new processes and advanced technologies)
  - An Automation & Robotics Center of Excellence.

This investment demonstrates our commitment to our customers in the region e.g. SIA, JAL, Delta, ST Aerospace, China Airlines, Air France, Finnair, Korean Air, Lufthansa Technik, Pratt & Whitney etc.

- The local team, together with more than 12 R&D engineers, continues to drive repair innovations to support new engine technologies. 10 patents have been filed since 1991.
- GE Aviation’s customers in Singapore include BoC Aviation, SIA group of companies and ST Aerospace, an independent, global leader in third party Maintenance, Repair and Overhaul (MRO) services.
- GE is also the largest aircraft engine supplier to the Ministry of Defense, powering most of the Republic of Singapore Air Force’s fighter aircraft and helicopter fleets. GE maintains an in-country field service team delivering performance based logistics support to these engine fleets.
GE Transportation
GE Transportation is a global digital industrial leader and supplier to the rail, mining, marine, stationary power and drilling industries. Our solutions help customers deliver goods and services with greater speed and greater savings using our advanced manufacturing techniques, industry expertise and connected machines.

GE Oil & Gas
GE positions itself as one of the world’s leading equipment and services’ providers in the oil and gas space. With unique capabilities across the entire value chain—from oil and gas drilling equipment and subsea systems to turbomachinery solutions and downstream processing. The operations located in Singapore include:

- Asia Pacific regional headquarters, manufacturing facility and engineering team for surface and subsea systems (Benoi Road).
- State-of-the-art Customer Applications Development, solutions showroom and training facility for our Oil & Gas Digital Solutions (Lok Yang).

GE Oil & Gas customers include Exxon Mobil, Shell, Keppel Offshore & Marine, SembMarine, MODEC, and Transocean.

GE Power
GE Power is a world leader in power generation with deep domain expertise to help customers deliver electricity from a wide spectrum of fuel sources. GE Power is transforming the electricity industry with the digital power plant, the world’s largest and most efficient gas turbine, full balance of plant, upgrade and service solutions as well as our data-leveraging software. Our innovative technologies and digital offerings help make power more affordable, reliable, accessible and sustainable.

- Our 40+ years of partnership with Keppel in Singapore, provides turbine maintenance, repair, modification and upgrading services from its Jurong site (GE Keppel Energy Services). Our customers include Keppel Infrastructure, Sembcorp Utilities, Tuas Power and Senoko.
- GE Water Process Technology also develops advanced applications to help solve the world’s most complex challenges related to water availability and quality. GE’s cutting-edge Singapore Water Technology Centre was opened in June 2009 and located at the National University of Singapore. At that time, it was the sole piloting facility for Reverse Osmosis and Electrodialysis flat sheet membranes and the only analytical lab with ISO 17025 certification globally.
  - The center continues to plays a vital role in the development of new and novel solutions for low-energy desalination, enhanced industrial waste water recovery and efficient water reuse.
  - Our Asia Pacific, Analytical & Membrane Chemicals Technology Laboratory is also located here. It is the Centre of Excellence for membrane autopsy, resin analytics, UPW analytics and water sustainability analytics. Our customers include Public Utilities Board, Micron, Exxon Mobil and Singapore Refining Company.
  - GE and Public Utilities Board (PUB) signed a 5-year MOU in 2016 to explore ways of technological cooperation, research and development, applied research and training as well as project collaboration. Recognizing the potential scientific and technological benefits of jointly demonstrating new technologies and products, the MOU cites common areas of interest between GE and PUB as water treatment processes, such as reverse electrodialysis.
and anaerobic membrane reactors, and industrial water processes, such as water recycling.

**GE Energy Connections**

GE Energy Connections designs and deploys industry-leading technologies that turn the world on. The business transports, converts, automates and optimizes energy to safe, efficient and reliable electrical power. Uniting all the resources and scale of the world’s first digital industrial company, Energy Connections connects brilliant machines, grids, and systems to power utility, oil and gas, marine, mining and renewables customers, that keep our world running.

Energy Connections has three divisions:

- **Grid Solutions** - provides solutions to modernize the grid. We build intelligent devices that protect, monitor, control, and automate critical electrical processes and infrastructure, and the grid visualization/resource deployment software that helps optimize the grid and efficiently deploy customer's mobile field force. Our customers include Singapore Power, Starhub, Energy Market Authority, Keppel and ExxonMobil Asia Pacific.
  - GE partnered Singapore Power (SP) to supply an innovative digital substation as part of SP Centre of Excellence (CoE)'s Singapore Power Advanced Research & Development (SPEAR) program. GE's DS Agile will provide SP with improved monitoring, protection and control for a total of 8 switchgear bays. New advanced substation software applications, such as wide area monitoring and active control, self-testing will also improve the reliability and the flexibility of the substation and grid to prepare for the integration of renewable energy.

- **Industrial Solutions** – Industrial Solutions' advanced electrical distribution technologies and services have yielded significant financial savings for customers in the form of prevented unplanned downtime, increased energy efficiency and improved productivity.
  - Our new ANSI/IEEE SecoGear metal-clad switchgear is designed with innovative approaches such as predictive modeling, arc-pressure and heat/stress analyses and it is 100 pounds lighter than comparable circuit breakers in the industry.
  - We also announced additions to its open-frame, Compact Low Power (CLP) family of AC-DC power supplies which delivers efficiencies of greater than 90% in a compact, high-density 2-by-4-inch footprint at 18W/inch³. This exceptional density is achieved with outstanding thermal performance and Class B conducted emissions.

- **Power Conversion** - applies the science and systems of power conversion to help drive the electric transformation of the world’s energy infrastructure. We drive technological advancements in superconductivity, energy storage, subsea power systems, high-speed motors, permanent magnet generators, and HVDC systems so as to deliver new designs in advanced motor, drive and control systems.
  - Power Conversion serves specialized sectors such as energy, marine, industry and all related services. Our customers include Keppel Offshore & Marine, Sembcorp Marine, Swire Pacific, Linde Gas, Shell, ExxonMobil and Rotary Engineering.

Due to the enhanced presence of PC’s System Engineering CoE, the team is able to support its customers’ engineering and development teams in a timely manner.

**GE Capital**
GE Capital in Singapore serves regional powerhouses and multi-nationals as they expand in the region. Singapore is the regional front office to help customers with their cash flow management, asset based lending, equipment finance, structured finance and capital market needs.

- One of the key businesses within GE Capital is GE Capital Aviation Services (GECAS). It is the world's leading commercial aircraft and engine lessor and lender equipped with an industry-leading suite of products and services to help your business grow. With over 40+ years in the industry, GECAS owns and services more than 1,570 aircraft for over 230 customers in approximately 75 countries.
  - Part of GECAS' global team operates out of Singapore providing a comprehensive suite of solutions for fleets (aircrafts, helicopters, engines and spare parts), financing options, asset management and consulting. Some of its customers in the region include: Myanmar National Airways, Air China, China Airlines, Nok Air, Lion Air, PAL Express, Garuda and Cebu Pacific.
  - GE Energy Financial Services has also partnered with GIC for energy investments globally.

**GE Lighting**

GE Lighting specializes in lighting solutions around the world, helping advance new technologies such as fluorescents and light-emitting diodes (LEDs) that operate with more efficiency, less cost and less environmental impact than ever before. It has credited itself by lighting some of the world's most recognized landmarks and places such as Olympic and World Cup Stadiums, London's Tower and Golden Gate Bridges, among others.

**We value partnerships**

**Partner for Community**

GE’s Volunteer Network in Singapore is committed to contribute to improving the lives of the people and the communities where we operate in. We encourage our employees to bubble up ideas, organize and participate in local activities focused on education, environment, health, and community development. Through our citizenship activities, we strive to drive positive change that is good for the community, our volunteers, and for GE.

Over the past few years, about 600 volunteers have dedicated over 3,245 hours organizing and participating in 27 events annually. Through these efforts, GE Volunteers have received several commendations including the ff.: Gold Service Award from the Children's Charities Association of Singapore (2015), People's Association Community Spirit Award 2015 and AmCham CARES Award (2016).

**Partner for Innovation:**

- GE’s Singapore Water Technology Centre in partnership with PUB, NUS and customers in low energy desalination, enhanced industrial waste water recovery and analytical laboratory.
- GE Oil & Gas, Digital Solutions' state-of-the-art Customer Applications Development, solutions showroom and training facility.
- GE Aviation and GE Healthcare's joint R&D collaboration with the various research institutions within the Agency for Science, Technology and Research family.

**Contact Information:**