GE in China

GE in China provides technologies and products ranging from aircraft engines, gas turbines, medical diagnostic equipment, turbomachinery and drilling technologies for oil & gas industry, energy management to rail and mining, lighting, and equipment leasing. All GE business units have set up operations in China, creating total industrial orders of $7.8 billion in 2014.

GE started doing business in China as early as 1906 and was considered one of the most active foreign companies in the country at the time. In 1908, the first GE light plant was built in Shenyang. GE acquired Anderson, Meyer & Co. in 1934 and started to provide installation and repair services of imported electric equipment in China. GE resumed trade with People’s Republic of China in 1979. It opened GE Hangwei Medical Systems Co., Ltd in Beijing, which is its first joint venture in China in 1991.

GE has been actively involved in China’s major infrastructure projects and is widely regarded as a partner of choice for the country’s sustainable growth with focus on clean energy, mass transportation and affordable and high quality healthcare.

GE Aviation has provided over 3000 engines to China’s major airlines. In 2009, CFM International, a joint venture between GE and Snecma (SAFRAN Group) of France, had its advanced LEAP-1C engine selected by Commercial Aircraft Corporation of China (COMAC), to power C919, the first Chinese-designed and manufactured large passenger jet. GE is also the engine supplier to ARJ21, a COMAC-developed regional aircraft. In 2010, the joint venture formed by GE Aviation and Aviation Industry Corporation of China (AVIC), has been selected to develop and market new generation of avionics systems for C919 passenger jet. GE Aviation is also expanding its business and general aviation segment in China. In 2012, China Aviation Industry General Aircraft Co., Ltd. (CAIGA) selected GE Aviation’s new H85 turboprop engine to power its AG300 aircraft, the first business aircraft developed in China. GE and CAIGA will also jointly develop a service and support program for the H85-powered AG300 and expand turboprop engine service capabilities in China.

In the energy sector, GE participated in China’s gas engine market growth and has been partnering with Harbin Electric (HE) and Nanjing Turbine & Electric Machinery Group (NTC) in heavy duty gas turbine manufacturing and service. In 2006, GE signed a MOU with National Development and Reform Commission to collaboratively promote and develop GE’s ecomagination technologies in China. In
2011, GE and Shenhua Group Corporation formed an industrial coal gasification joint venture to advance the deployment of “cleaner coal” technology solutions in China. GE has a joint venture with China Huadian Corporation to manufacture aero derivative engines for the development of distributed energy combined heat and power (DECHP) projects. GE Renewables business has provided over 1000 wind turbines to China and runs a wind turbine manufacturing facility in Shenyang. GE Water and Process Technologies support China’s steel, electricity, petroleum, petrochemical, food and beverage, electrical and municipal projects by providing the full range of membrane and chemical solutions.

In the Oil & Gas sector, GE has provided over 1000 units of compressors, steam turbines, gas turbines for China’s natural gas pipeline and distribution, mostly prominently the West-East gas pipeline. The Measurement and Control technologies are supporting aviation, energy, transportation and healthcare industries.

In energy management, GE manufactures and distributes equipment that supports safe and reliable power transmission, control and monitoring at power plants, with its business units including Industrial Solutions, Digital Energy, Power Conversion, and Intelligent Platform. In August 2013, GE and XD Electric Group formed a global partnership combining GE’s world-class grid automation capabilities and global energy presence with XD Electric’s comprehensive portfolio of high-voltage (HV) power equipment.

GE Healthcare activities in China span areas including R&D/engineering, sourcing, manufacturing, sales, marketing, distribution and services. From medical imaging, software & IT, patient monitoring and diagnostics to drug discovery, biopharmaceutical manufacturing technologies and performance improvement solutions, GE Healthcare helps medical professionals deliver great healthcare to their patients. It operates several global manufacturing sites in China, including aComputed Tomography (CT) and X-Ray sites in Beijing, a Bio-Sciences plant in Shanghai, ultrasound and patient monitor facilities in Wuxi and a filter paper facility in Tonglu, and a Magnetic Resonance Imaging (MRI) site in Tianjin. In the rail sector, GE Transportation provided over 1100 units of locomotives including all locomotives used in the Qinghai-Tibet rail service. GE Mining supports China’s mining industry by providing motors for off-highway vehicles, electricity and water solutions.

GE Lighting provides industrial lighting solutions with LED technologies that are applied in retail, hotel, manufacturing and road industries.
GE Capital offers aircraft leasing, medical equipment leading, commercial distribution finance, structured finance in China and has an equipment leasing joint venture with State Grid Corporation.

China Technology Center (CTC) is one of the seven global research & development facilities at the hub of GE’s worldwide technology development efforts. CTC is a diversified, multi-disciplinary organization conducting fundamental research, new products development, engineering service and sourcing service.

Along with GE China Innovation Centers in Chengdu, Xi’an and Harbin, GE China has near 3000 engineers and 150+ labs to drive technology breakthroughs and product innovations in the following key areas: Clean Energy; Water processing; Material; Power-electronics; Advanced manufacturing technology including 3D printing, brilliant factory; Imaging Technology; Chemical and electrochemical technology; Sensing and inspection technology; LED Lighting; Rail Transportation and mining; Aviation system integration. And the software & analytics was established in 2014 to support industry internet development in China.