



GE FACT SHEET

GE-Huadian cooperation on Decentralized Energy Combined Heat and Power (DECHP)

- GE and China Huadian Corporation signed a five-year, joint collaboration agreement to provide both electricity and steam generated from facilities located close to consumers in China. These facilities are referred to as distributed energy combined heat and power (DECHP) projects by the energy industry.
- Distributed energy combined heat and power (CHP) technologies produce both electricity and useful thermal energy from a single fuel at a facility located near the consumer. These efficient systems recover heat that normally would be wasted in an electricity generator, and save the fuel that would otherwise be used to produce heat or steam in a separate unit.
- GE is a leader in DECHP applications around the world, with success stories including the powering of the \$1 billion Texas Medical Center and major university campuses with its highly efficient and reliable aeroderivative gas turbines.
- The use of DECHP will be the most efficient use of natural gas in China and will be a significantly cleaner alternative to the higher greenhouse gases from coal-fired power plants.
- GE forecasts at least 50 gas turbine generator sets being sold and installed in China in the next 5 years, resulting in \$500 million of revenue for the partnership.
- The partnership represents a \$350 million export opportunity for the United States that will create or support more than 2,100 jobs throughout GE's domestic supply chain.
- GE uses a wide range of U.S. subcontractors for equipment and dozens of American suppliers will be utilized for these projects from Cincinnati, Fort Collins, Colorado; Lufkin, Texas; Cleveland, Ohio; Portland, Oregon; and Houston, Texas

GE-Shenhua Clean Coal Joint Venture Agreement

- GE and Shenhua Group Corporation have agreed to form an industrial coal gasification joint venture to advance the deployment of "cleaner coal" technology solutions in China. The JV will sell and develop gasification technology and advance the deployment of commercial scale IGCC.
- The new company would combine GE's expertise in industrial gasification technologies with Shenhua's expertise in building and operating coal gasification facilities. This collaboration is expected to generate over \$150MM in revenues over five years, including the export of high value cleaner coal gasification licensing and services.
- The JV will provide increased opportunity for growth and investment and will support job creation in the United States and China, including hundreds of jobs in Houston, Greenville, South Carolina; and Schenectady, New York.



GE-Ministry of Railways

- GE Transportation and China's Ministry of Railways (MOR) have signed two letters of intent valued at \$1.4 billion, including a \$350 million product order for export and a planned joint venture to collaborate on High-Speed Rail projects in the United States.
- The \$350 million order for export includes locomotives, locomotive assemblies, long-term service support and railway signaling products and technology and could sustain or create 2,000 U.S. jobs
- GE and the MOR also re-affirmed the framework agreement announced on Dec. 7, 2010, in Beijing. Under the agreement, GE and China's CSR Corporation Limited (CSR) plan to establish a U.S.-based JV to supply high-speed rail (HSR) passenger trains for the two proposed, dedicated U.S. HSR corridors in Florida and California. The partnership represents an investment of approximately \$50 million in the joint venture with the potential to sustain or create 250 U.S. jobs by 2012 for the first phase of the agreement.
- The projects associated with both letters of intent could sustain or create approximately 2,250 high-tech manufacturing jobs in the United States.

GE-AVIC Avionics Joint Venture Agreement

- GE Aviation and AVIC plan to sign an agreement to form a new joint venture company.
- This is a joint venture with a Chinese partner that will market globally and provide advanced systems for future commercial aircraft with companies like Boeing, Airbus, Bombardier and Embraer.
- Subject to government approvals and the issuance of operating license, the GE AVIC joint venture company will develop and market integrated, open architecture avionics systems to the global commercial aerospace industry.
- This 50/50 joint venture represents a significant milestone in the growing aerospace relationship between Chinese industry and GE Aviation that dates back to the mid-1980s.
- Chinese airlines now operate more than 2,500 jet engines produced by GE and CFM International, with an additional 1,000 engines on back order.
- The new GE-AVIC joint venture extends the relationship beyond engines into commercial avionics. It will enable GE and AVIC to grow a business together that will create jobs globally, including hundreds of new jobs in the United States, the UK and China.
- The JV will support and maintain at least 300 high-tech jobs locally in each the US and China.
 - The JV headquarters will be in Shanghai, including engineering and development test facilities (in Shanghai)
 - In the U.S. the majority of jobs supporting the JV will be in Grand Rapids, Michigan and Clearwater, Florida
- The JV will work to secure systems and other avionics products on future aircraft adding to the overall economic value and jobs created.
- GE and AVIC will together develop a world-class engineering organization and the JV itself will be creating new intellectual property and new technology.
- The initial focus for the JV is integrated avionics systems for COMAC's C919 aircraft and building a global customer and product support infrastructure.
- COMAC anticipates delivering more than 2,300 C919 aircraft over the 20-year life of the program.