

# Fact Sheet: Charlotte The Grand Opening

In March 2010, Siemens announced plans to add gas turbine manufacturing to its Charlotte facility, where it already had a large steam turbine and generator manufacturing site with room for expansion.

- Siemens broke ground on this expansion in October 2010, and just over one year later is officially opening the new gas turbine facility.
- This 450,000-square-foot expansion puts the total site square footage at more than one million square feet.
- More than one million square feet of space under roof.
- 80 - 100-foot high manufacturing bays.
- Operational 24 hours/day, 365 days/year.



- The new facility at the Charlotte site will now be the most modern gas turbine manufacturing facility in the world. It was designed based on LEAN manufacturing practices, which means it was built nearly 100,000 square feet smaller than would have been needed a generation ago because we have optimized the flow of work, thereby reducing the footprint we need to efficiently manufacture the gas turbines. It was also built according to the U.S. LEED green building standards.
- The 60 Hz version of the new, advanced SGT-8000H series will be manufactured in Charlotte. The CCPP Irsching 4 in Germany with the SGT5-8000H gas turbine has achieved in a record-breaking efficiency level of 60.75% at an output of 578 MW, therefore earning worldwide recognition.
- Siemens Energy has invested more than \$350 million in Charlotte in the last four years – an investment that has already created 700 new jobs and which will create another 400 jobs by 2014 -- bringing the total number of employees at the site to more than 1,800. And our work here will, in turn, create more than 2,000 indirect jobs.
- Siemens has exported more than \$600 million of power generation equipment (representing more than 20 gigawatts of electricity production). The newly expanded gas turbine manufacturing capabilities will contribute \$220 million a year to the company's exports, bringing the total to more than \$400 million per year.
- The first gas turbine assembled in the Siemens Charlotte facility will be exported in November 2011 to Sonora State, Mexico, for the Grupo Mexico 250-megawatt La Caridad 1 combined cycle power plant.
- The Siemens' Charlotte Energy Center was initially opened in 1969. Today, at the site, the company's production "hub" has capabilities that span the full production value chain - from engineering and supply chain management to the manufacture and service of our complete fossil power generation portfolio. Approximately 50% of the labor hours in both the steam turbine-, generator- and gas turbine factories at this site are dedicated to servicing customer-owned equipment or manufacturing replacement elements for existing plants.