



# New Rotor Blade Manufacturing Facility

New HVAC & Plumbing

**Contract Value:** \$3.5 million



**Project Description:** The 184,000 SF plant is comprised of four primary areas related to the manufacturing process as well as office, laboratory, and storage space. The facility produces two types of fiberglass rotor blades for wind turbine generators, with blades measuring 85 or 140 feet in length.

S. P. McCarl & Company, Inc. installed all the mechanical process systems, the HVAC, as well as the plumbing systems for the new manufacturing facility. This project included the installation of thousands of feet of piping as well as thousands of pounds of ductwork and the rigging of many large mechanical and process equipment components.



**Technical Challenge:** This project was under an extremely compressed schedule since the contracts were awarded much later than originally planned. However, the end date of the project remained the same. S. P. McCarl & Company, Inc. estimated the job in August and September 2005 and mobilized almost immediately. Even though construction did not start until October, the mechanical systems were installed so production of rotor blades could start by January 2006. Meeting this very demanding schedule required effective planning. Our project leaders broke the project into several small components in order to manage it proactively to ensure safe practices, quality installation, while still meeting the demands of an extremely aggressive schedule.

