



HARBEC INC.

HARBEC has a 520 kW combined cooling, heat and power (CCHP) system consisting of eight Capstone C65 microturbines, an exhaust-fired absorption chiller, and integrated heat recovery units on four of the microturbines. The system is designed to produce up to 2.45 MMBTU of hot water and up to 90 tons of chilled water, as well as provide fast-transfer backup power should a utility outage occur. A FlexSet DG control and performance monitoring system provides all sequential control, monitors performance and acts as the main interface for the CCHP system.

HARBEC, an upstate New York manufacturer of injection molded parts, was an early adopter of combined heat and power technology powered by natural gas fueled microturbines. In 2000 and 2001, HARBEC installed a 750 kW Capstone microturbine CHP system to provide electricity and high temperature hot water for its manufacturing process. A portion of this CHP system continues to support the facility today. HARBEC's manufacturing plant is powered by the microturbine CHP systems, two wind turbines, and the utility, providing reliable power with the benefits of reduced emissions and cost savings.

