

Apartment Complex South Korea

An array of ten Capstone C65 MicroTurbines™ in a combined heat and power (CHP) application is providing high efficiency electrical and thermal power generation to this 44,520 m² apartment complex in South Korea, brought to life by Capstone's distributor, Samsung Corporation.

By recycling the waste heat from the electric generation process, efficiencies in excess of 80% are achieved. A Capstone microturbine CHP system provides a tremendous reduction in NO_x emissions compared with traditional sources of electrical and heat energy and significantly reduces CO₂ emissions compared to traditional systems. In addition, the patented air bearings in the microturbines eliminate liquid lubricants and disposal of hazardous materials, making these systems virtually maintenance-free.

Other benefits include reduction of energy costs and power security and reliability. ■



Ten C65 microturbines provide electricity and heating to a 44,520 m² apartment complex in South Korea.