



**COMBINED HEAT & POWER (CHP)
FLEXSET**

TWO CAPSTONE C65 MICRO TURBINES POWER THE CHP SYSTEM WHICH PROVIDES ELECTRICITY AND HEAT TO THE 227,000-SQUARE FOOT MEDICAL FACILITY

ProMedica Wildwood Orthopaedic and Spine Hospital contracted with GEM Energy to install and integrate one of the most advanced combined heat and power systems in the marketplace, using two Capstone C65 micro turbines®.

The onsite power system uses natural gas to provide electricity and heat to the hospital. Benefits to the facility include a reduction in annual energy costs and greenhouse gas emissions as well as a higher ENERGY STAR building score.

With a 24/7/365 need for electricity and heat, hospitals benefit tremendously from the energy efficiency and reliability that combined heat and power (CHP) systems provide. The compact size and low sound level of the micro turbine system made it a perfect fit for the upper floor mechanical room where it is housed.

The hospital has around-the-clock access to the CHP outputs with a FlexSetDG control system. The web-based FlexSet dashboard - accessible on mobile devices or computers - provides facility managers with real-time data so that daily energy consumption can be monitored and balanced with the hospital's needs and the system's production. This reduces energy peaks and increases savings.



FlexSetDG controls for distributed generation systems allow 24/7 remote equipment monitoring.