

Case Study - I Cedri Hospital



Italy's Cedri Hospital is set amid vineyard 40 miles northwest of Milan. Rising energy costs combined with a limit on capacity to power all medical equipment set the hospital's management in search of an affordable energy solution.

The solution, a pair of Integrated Combined Heat & Power (ICHP) system came at no cost to the hospital thanks to the energy service company Binkus s.r.l, which specializes in micro turbine driven energy solutions. Binkus owns and operates the system. I Cedri buys its power and thermal output at a cost lower than that of the utility grid plus fuel for its oil-burning boilers.

The capacity addition meets the needs of the hospital and provides room for expansion. It also eliminates the need to bear a costly capacity enhancement from the utility. Currently saving an annualized 40% on their power costs, the hospital is considering adding an absorption chiller that will obsolete the facility's electric chiller and cut energy costs even more during the summer.