

Best Practice

Medical Center

This medical center includes a medical clinic, ambulatory practice, ambulatory rehabilitation unit, and senior living facilities. The multifunctional nature and high patient traffic that this facility deals with on a regular basis present many challenges. Nonetheless, geff was able to help significantly reduce their energy costs

saved 54%

geff Modules applied in this project

visualization +	Complete analysis of their facility systems
ventilation +	Removal of 8 axial fans and replacement with 8 centrifugal fans equipped with flat-belt drives and high-efficiency motors
	Removal and disposal of unnecessary noise-control baffles (576 units)
	Removal of external air dampers and replacement with 4 section-rolling doors
recovery +	Installation of a highly-efficient combined circulation heat recovery system (including the necessary plumbing work)
control +	Installation of of- and electric connection work for new frequency inverters
	Demand-optimized control of the ventilation and heat recovery equipment

Results

Power demand before geff (per year)	8,015,400	kWh per year
Power demand after geff (per year)	3,784,320	kWh per year
Savings	4,231,080	kWh per year
calculated at 0.1134 Euro per kWh and converted to USD at the 2013 yearly IRS exchange rate of \$1 = 0.783 Euro	612,776	\$ per year



geff L.P.

ask@geff.us
www.geff.us

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visualization+

ventilation+

recovery+

control+