

## 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- and electric connection work for new frequency inverters
	Demand-optimized control of the ventilation and heat recovery equipment

#### Results

Power demand <b>before geff</b> (per year)	8.015.400	kWh per year
Power demand <b>after geff</b> (per year)	3.784.320	kWh per year
<b>Savings</b>	<b>4.231.080</b>	<b>kWh per year</b>
calculated at 0,1134 Euro/kWh	<b>479.804</b>	<b>Euro per year</b>

visualization+

ventilation+

recovery+

control+



#### geff GmbH

Siercker Straße 3  
D 74638 Waldenburg  
Telefon +49 (0)7942 - 67 20 71-0  
Telefax +49 (0)7942 - 67 20 71-3  
info@geff.de  
www.geff.de

