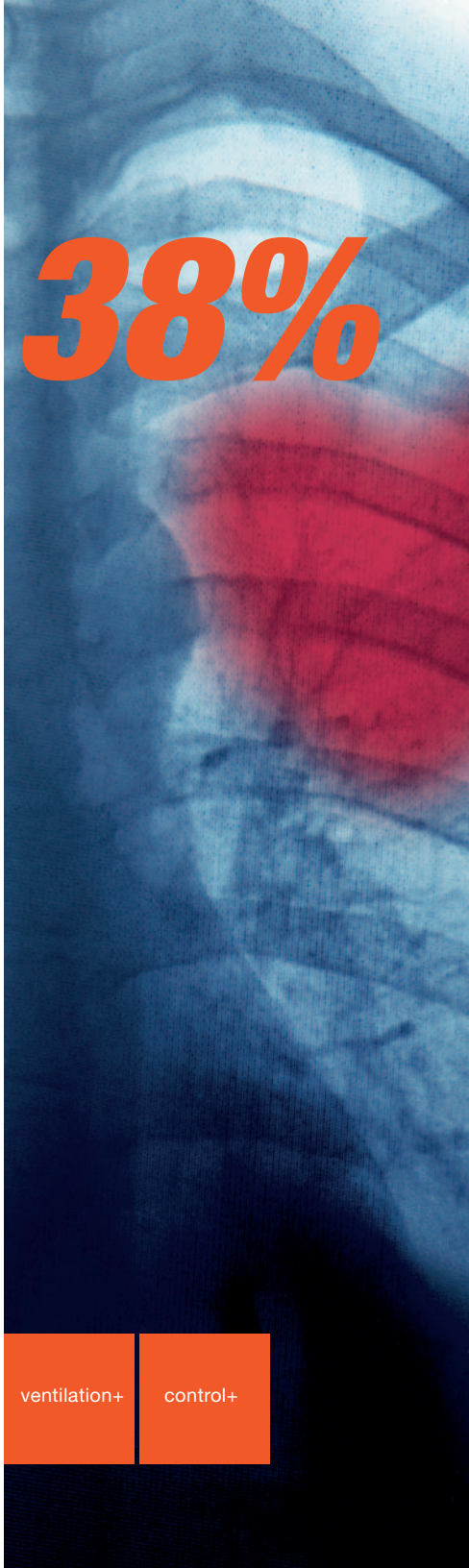
Best Practice

University Hospital

This university hospital treats approximately 700.000 patients each year. Its primary focus is oncology.
Energy efficient ventilation equipment is helping them save an average of 4.012.080 kWh of energy per year.

saved 38%



geff Modules applied in this project

visualization +	Complete analysis of their facility systems
ventilation +	Replacement of 12 obsolete fans with new centrifugal fans equiped with flat-belt drives and high-efficiency motors
	Removal and disposal of unnecessary noise-control baffles
	Exchanged defective air-volume flow controller and exhaust flaps
control +	Installation 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)	10,441,920	kWh per year
Power demand **after geff** (per year)	6,429,840	kWh per year
Savings	4,012,080	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	581,058	$ per year

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visualization+ ventilation+ control+