

Best Practice

Telecommunications

A major German telecommunications provider was already supplying 100% of the electricity needs for its administration facilities with renewable energy. Our task was to help them further reduce their energy consumption while at the same time drastically lowering their CO2 emissions. Our success is clearly visible in the yearly savings that we managed to generate for them.

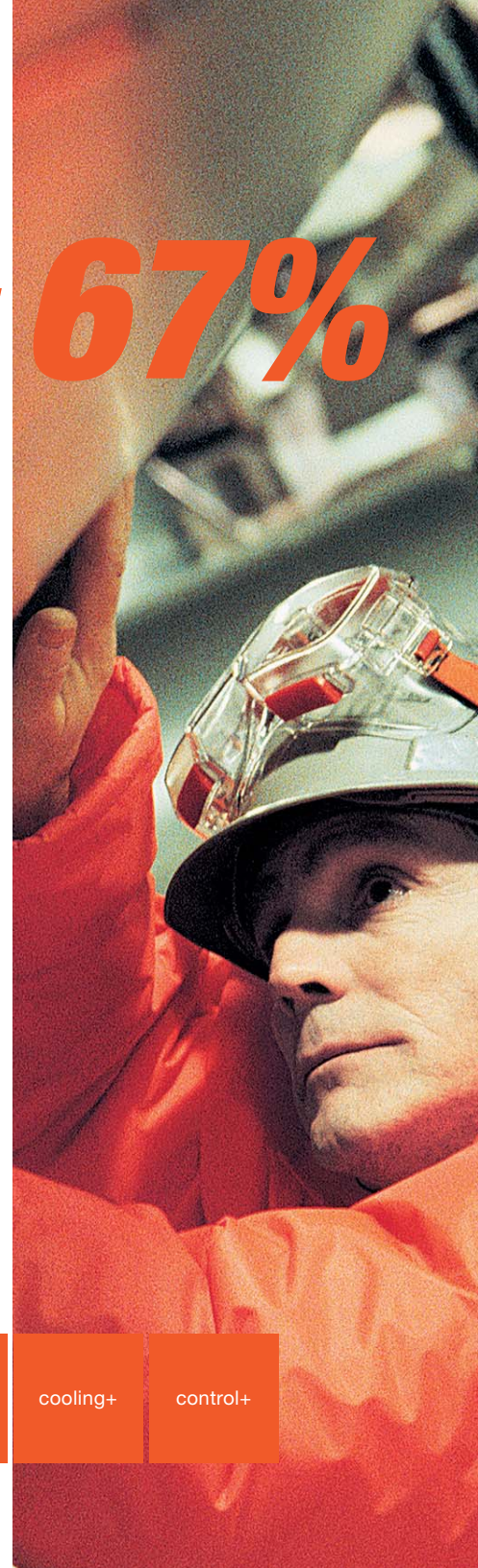
geff Modules applied in this project

visualization +	Complete analysis of the system including actual versus target performance comparisons for the equipment
ventilation +	Conversion to performance-optimized ventilators. Reduced the volume of air flow
cooling +	Conversion to performance-optimized cooling. Adjustment of the room temperature set-points
control +	Demand-response controls for the ventilation and cooling equipment

Results

Power demand before geff (per year)	59,130,000	kWh per year
Power demand after geff (per year)	19,710,000	kWh per year
Savings	39,420,000	kWh per year
<small>calculated at 0.1134 Euro per kWh and converted to USD at the 2013 yearly IRS exchange rate of \$1 = 0.783 Euro</small>	5,709,103	\$ per year

saved 67%



geff L.P.

ask@geff.us
www.geff.us

April 2015

visualization+

ventilation+

cooling+

control+