

Case Study

St. Mary's Medical Centre, Athens, GA

Overview and Challenge

St. Mary's Medical Centre boasts three hospitals, the region's first medical residency program, a pioneering home healthcare / hospice service, a retirement community and extensive outpatient services.



As a not-for-profit health care system, they invest their resources back into the community to enhance their facilities to meet the needs of their patients.

With their kitchen hoods running 24/7, 365 days a year, money that could have been reinvested back into the centre was being unnecessarily wasted on high energy bills.

Solution

St. Mary's Medical Centre appointed TEL Americas to install TEL's variable airflow volume (VAV) controllers to two kitchen hoods to regulate fan speed depending on need. This ensured that air was only exchanged as required, therefore saving energy.

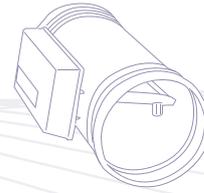
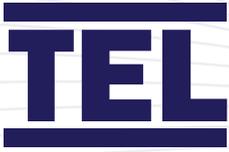


Installing TEL's variable airflow volume (VAV) controllers.

World leaders in airflow controls and monitors

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Average energy and cost savings of 63%

Benefits

As most kitchen hoods only require full exhaust performance for a small part of the day, this small change has made a big difference in both reducing the carbon emissions and their energy bills. With average energy and cost savings of 63%, simply by converting from constant air volume (CAV) controllers to VAV, St. Mary's Medical Centre are now able to invest more money into their facilities to help their patients.

TEL Director, Richard Eady said:

"The cost savings that can be achieved by simply converting from a CAV to a VAV are incredible. On average, our clients used to see a return on their investment within 18 to 24 months, now, with the rising cost of energy they're seeing a return in under 12 months."



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