



# Consulting Services

*Customized Solutions Through Systems Integration • Access Control • Surveillance • Process Control • Network Infrastructure*

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**FOR IMMEDIATE RELEASE**

**February 18, 2010 – GO Consulting and Hunzicker Brothers save Moore Public Schools \$4,400 per month in HVAC Energy Costs**

GO Consulting Services in conjunction with Hunzicker Brothers recently completed the first phase of a Process Control project with Moore Public Schools designed to decrease the cost of heating and cooling the buildings on campus. Moore Public School's maintenance foreman was looking for a way to reduce the school's electric bill. Dave Campbell of Hunzicker Brothers completed a power survey of Moore Schools and estimated that control upgrades in the building management systems could result in a 75% decrease in energy consumption for those systems. From phase one's completion in November of 2009 to February of 2010 Moore Public Schools has shown total savings of \$16,800 and is expected to increase as different phases of the project near completion.

After discussions with Hunziker Brothers and GO Consulting Services the school's foreman decided to add variable frequency drives to 8 of their air handler units and plc control to allow the air handlers to be monitored and adjusted from a remote location. Moore Public Schools can now monitor and control each of the eight air handlers from a web-enabled touch screen HMI.

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By adding VFD's and using a PLC for control, each motor averages about 12.5 hours of runtime per day. This is a 48% reduction in run time accomplished by logic in the PLC. In addition to the reduction in run time, the drives allow the air handlers to run more efficiently and at a lower speed when less air is needed. When the units are operating they typically consume about 75% less electricity than they did before. The combined savings of both of these features totals an 87% reduction in energy consumption on the air handlers or about \$4,400 per month in energy charges. The results were better than expected and the savings began immediately. "These drives are so versatile and can be applied to many scenarios to achieve the same result," said Chris Geer, Systems Integrator at GO Consulting Services.

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