

EMA Solutions Bring a Smile to Their Face



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If the teacher isn't happy, then no one is happy. When Dallas ISD needed help with one of their 50-year-old elementary buildings with indoor environment issues, they called Estes, McClure & Associates, Inc. and their commissioning team to find a solution to their problems.

What is Commissioning?

Retro commissioning is a process by which an existing building is evaluated so that it operates according to the Owner's current requirements. The process includes meeting with the Owner to determine the requirements of the facility and the current problems.

EMA Commissioning Team solves problems

EMA performed functional testing on the HVAC and energy management control system. Thirteen recommendations were identified and implemented. Resolution of the problems included rebalancing airflow and water flow to each HVAC unit to match actual loads allowing for a more even and controlled airflow which resulted in more comfortable, quieter classrooms. Lowering the airflow of the HVAC units resulted in mitigating the sound problems. A new control system was also installed to eliminate the communication problems that plagued the old system.

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Smiles all around! Teachers were smiling because they had a quieter, more comfortable learning environment. Facility Managers were smiling because no one was calling to complain. The CFO was smiling because through energy savings the project is projected to save over \$25,000 annually with a simple payback of less than 6.5 years!

Isn't it time you let EMA put a smile back on your face? Call today for your commissioning report!

For more details, contact:

Josh Gentry, P.E. – jgentry@estesmclure.com
Gary Bristow, P.E. – gbristow@estesmclure.com
Wes Van Rite – wvanrite@estesmclure.com

School Information

Everett P. DeGolyer Elementary School
Dallas Independent School District
45,666 square feet
Original Construction – 1960
HVAC Renovation 2004
4-pipe CHW/HW with VAV

Project Details

Deficiencies Discovered 69
Recommendations 13
Total Project Cost \$162,000
Energy Savings \$25,000/yr
Simple Payback 6.5 years

Home Office

3608 West Way
Tyler, Texas 75703
903-581-2677

Austin Office

104 West Main, Suite C
Pflugerville, Texas 78660
512-251-5177

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& Associates, Inc.**
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*Providing Solutions
That Deliver Results*