

EMA'S ENGINEERING TODAY

JULY 2012

Information and Helpful Hints for School Districts and the Architects who serve them.

EMA Technology & Communications Checklist:

- Fire detection and alarm systems
- Intercom and master clock systems
- Building premise cabling for computer networks, telephone and video systems
- Digital, analog and VoIP telephone systems
- Sound reinforcement
- Television program distribution and media management systems
- Integrated presentation control systems
- Video surveillance systems
- Building security systems
- Building access systems
- Area of rescue assistance communication systems
- Technology master planning

Do you have a Communications Master Plan? Call Ed Cliver, P.E. or Jason Cox at EMA today!



**Estes, McClure
& Associates, Inc.**
Engineering and Consulting

EMA's Tech Communication Team Improved Learning, Safety And Security Resulting in Reduced First Cost and Future Maintenance Cost

EMA's technology savvy communications team improved the effectiveness of two school district's communication systems that provide better communication, safety and security for its occupants and buildings. Today's technology and communication systems and codes are complex and require a knowledgeable tech communications team to be effective and keep costs in-line.

EMA worked with Killeen ISD and Garland ISD to implement Technology and Communication Infrastructure Projects for routine communications with students and faculty and for understood shared communications with occupants and emergency services for quick responses during **critical situations**. These projects improve learning, school safety and security as well as reduce first cost and future maintenance cost.

EMA's multi-year plan helped Killeen ISD save on first cost and maintenance cost by standardizing and bulk buying.

Killeen ISD is completing a multi-year upgrading of fire-alarm systems. Working

with EMA's Jason Cox and Robert E. Cliver, P.E. the District formulated a multi-year plan with prioritization and budgets to upgrade the fire alarm systems district wide. "We identified needs, budgeted, and prioritized to save money by standardization and bulk purchasing strategies" said Ward Hughling, Coordinator Construction Services and Facilities Planning for KISD. "The standardization in addition to less first cost also streamlines our preventive maintenance and reduces any repair costs."

EMA improved Garland ISD's Communication Infrastructure

Rowlett High School, Sachse High School, Daugherty Elementary School, South Garland High School and North Garland High School are receiving various Communication System upgrades and replacements. Garland ISD also has a multi-year program for upgrading fire alarm systems district-wide. EMA's tech communications team helped increase the effectiveness of the schools' communication systems that provide better occupant and building safety and security.

Retro-Commissioning: 5 Things Every School Superintendent Should Know

1. Reduces inconsistent temperature and humidity
2. Reduces HVAC system noise
3. Improves unreliable and difficult to manage HVAC control systems
4. Improves learning environment and puts a smile on teachers faces
5. Saves money spent on energy and maintenance

Please contact **Josh Gentry, P.E.** at EMA for case studies on retro-commissioning and how building optimization will save you money.

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Engineering and Consulting

*Providing Solutions
That Deliver Results*

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SCHOOL EXPERIENCE

38 years
585 Texas ISDs
47 colleges and universities
Other schools throughout
the country

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EMA Opens Branch Office Near Austin

Estes, McClure & Associates, Inc. opened a branch office in Pflugerville, Texas to provide MEP design services to the Austin area. This will give the architects and school owners near Austin more options when selecting an engineer for their projects, especially when they can choose one that specializes in the education field.



"We are excited to be more conveniently located for our clients in central Texas. This location will allow us to have quicker access to jobsites and client meetings," said Gary Bristow, EMA Sr. Vice President. Call today to find out more about our established track record of reliability in planning, commissioning, design and construction." For more information, contact Wes Van Rite at wvanrite@estesmclure.com or Gary Bristow at gbristow@estesmclure.com or call (512) 251-5177!

Company Spotlight



Matt Sullivan, P.E.

Congratulations! **Matt Sullivan, P.E.** recently passed the exam and completed the experience requirements to become a licensed professional engineer in the State of Texas. Matt has a BSME from the University of Texas at Tyler and has worked for EMA for 5 years.

Justin Bristow recently began working in EMA's building commissioning group in the Tyler home office.

Sonny Gibbs joins EMA as a multi-discipline CAD operator. Previously he worked for a Tyler architectural firm.

Wesley Van Rite joins EMA's new office in Pflugerville, Texas.

He has a BS from Texas A&M University plus graduate studies in thermodynamics and energy management. He comes to EMA from Texas A&M's Energy Systems Laboratory where he worked in their commissioning group. He also has experience working for a controls company.



Wesley Van Rite