



Green Star Engineering LLC (GSE) is an engineering firm (Texas F-16075) with expertise in energy efficiency, energy cost management, and energy systems project development. We apply a methodical and team-oriented approach derived from years of experience analyzing, designing, implementing, and verifying energy cost reduction measures in a wide variety of facilities and systems including the most complex central plant systems. We have the expertise to assist you with your facility-wide search for energy efficiency and cost reduction opportunities as well as help you solve your most elusive operational problems.

RETRO-COMMISSIONING CASE STUDY : K12 HIGH SCHOOL



SITUATION

A 440,000 square foot mega high school, opened in 2005 to serve over 3000 students and located in south Texas can use a lot of energy costing tax payers hundreds of thousands of dollars annually. Even with the latest in web-based DDC technology, in a district of 44 campuses, ensuring efficient operations requires a team effort. The district called on Green Star Engineering to help by applying the retro-commissioning program offered by the local electricity company to see if any improvements were possible that could be applied at this school and potentially replicated at other schools across the district.

// RESULTS

30 low-cost opportunities found
15 implemented by in-house staff
Annual electricity cost reduced
Operational problems solved
Students and teachers happy

SOLUTION

Together with other utility partners, Green Star Engineering worked directly with the school district operations and maintenance staff and Energy Management department to find low-cost improvement opportunities that would reduce operating costs while maintaining the highest standards of comfort for the students and faculty. Not surprisingly, the district learned a lot about where energy was being used and ways to improve efficiency through retro-commissioning, even in their newest schools.

For more information about utility sponsored retro-commissioning programs in your area or to request a quote for retro-commissioning your facility, please contact:

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Or visit our web page and click on the "Contact Us" tab to send us a message describing your situation and we will work with you to find the right solution.