

ALL HANDS ON DECK FOR ECTOR ISD



Sometimes you just need more hands on deck. In 2018, Ector County ISD (ECISD) had a growing problem. The 44-campus district in Odessa, Texas had weathered massive hailstorms in both 2016 and 2017, resulting in district-wide damage.

The roofs of more than half of the district's buildings needed significant repairs or replacement. Coordinating these projects in conjunction with regular maintenance duties was overtaxing the small but resilient facility team. ECISD needed trusted electricians and HVAC experts to work alongside staff on the variety of maintenance issues that aging schools develop—and that is when they found TDIndustries (TD), up on a roof.

TD was lifting HVAC units and gas lines for a roofing contractor as part of the district's roof repairs initiative.

Firsthand examples of quality work

The ECISD facility team took notice of TD's quality of work and began calling on them to help repair downed air-conditioning units. As TD's contract with the roofing contractor expanded to include electrical line lifts and conduit repairs, ECISD increasingly called on TD for additional maintenance repairs.

By the summer of 2019, ECISD and TD had built a trusted, collaborative relationship.

Knowing the district's schools would be bustling soon with more than 32,000 students, ECISD asked TD to send as many HVAC technicians as possible to meet the back-to-school deadline. A regional leader, TD scaled its resources to meet ECISD's needs by calling in technicians from Fort Worth and San Antonio to support its West Texas staff members.

Getting to work

TD tackled a large backlog of HVAC and electrical repairs, including coolant leaks, condenser fan motor and heater repairs, electrical upgrades in IDF/MDF technology rooms, and ignitor fan motor replacements. In addition to repairing the systems, TD sought to improve systems. At Gale Pond Alamo STEAM Academy, a 6-in carbon steel, low pressure, natural gas pipe on the roof needed

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The TDIndustries difference

- Servant leadership to provide campus-wide support working alongside the Ector County ISD facility team
- Facility maintenance experts who go above and beyond to provide energy solutions
- Timely service when, where it's needed
- Continuous quality service and access to specialty knowledge that would be too expensive to maintain internally



At the Heart of Your Building



replacement. TD engaged in a design-build collaboration with Ector County ISD, Atlas Energy, and pipe manufacturer Viega to identify the best value solution for the district. Atlas Energy confirmed that a 5 psi gas pipe – a more efficient heating solution – was available in the area. The gas company provided a new meter, and TD engineers worked with Viega to determine the type and size of pipe and regulators required.

Finding better value

The selected pipe is smaller and lighter weight, ranging in size from ½-to-2-in. and did not require welding, which provided a faster, safer installation. This innovative solution decreased weight on the roof and provided the school with a modern, efficient heating system.

TD crews – including a dedicated HVAC technician – remained onsite through December to complete the fast-tracked projects. Electrical upgrades included power supplied to 55 outlets in 19 IDF rooms at 17 elementary schools, as well as power, conduit, and mounting of 64

monitors at Bowie Middle School, Wilson & Young Middle School, Permian High School and Odessa High School.

Visual Intelligence

For several projects, TD technicians used the TD Visual Intelligence tool. This advanced reporting system allowed TD technicians to record video and photos in the cloud and email ECISD facility staff a full visual overview of each issue, including information on how the issue was corrected, as well as recommendations for the future life-cycle of the equipment.

The successful completion of these projects allowed ECISD to fully utilize its facilities and improve facility performance. Now that the maintenance tasks are manageable, TD remains available to provide ECISD support on a task-based need. This on-call system helps the ECISD facility team maintain an efficient maintenance program that provides comfort for the students and faculty.

