

Education and Outreach



Not only do TCAT scientists provide public outreach to our existing sponsors, we also develop educational stand-alone programs like Earth Alive. Selected examples follow.

Earth Alive—The Brooks Academy of Science and Engineering funded TCAT to increase interest in science and engineering and prepare students for college. Students came out of the program with a new found interest in environmental science and environmental engineering, scored higher on the Texas Assessment of Knowledge and Skills (TAKS) and stated that they were going to major in science or engineering when they got to college.



Success Stories—The U.S. Army Environmental Command (USAEC) sponsored TCAT to develop, produce, and publish a series of sustainability success stories at all U.S. Army Installation Management Command (IMCOM) garrisons. These stories and more can be found on the USAEC's website < <http://aec.army.mil/usaec/index.html> >.

Workshops and Presentations—TCAT scientists are cross trained as facilitators and public speakers. Both the Army and Airforce have utilized our facilitators to develop and guide sustainability, asset management, and efficiency workshops. Our scientists have also provided directed outreach for such media as storm water pollution and oil water separator maintenance.

Sponsors



TEXAS CENTER FOR APPLIED TECHNOLOGY

There are many problems that require the careful and proper integration of applied technologies to find solutions. The Texas Center for Applied Technology (TCAT) was created to focus on these specific problems and to develop effective and efficient solutions. TCAT's core competency is the innovative application of existing technologies and advanced research to solve complex real-world problems.

TCAT's primary objective is to apply and test technologies to address targeted problems and engage basic research as required. TCAT has employees in a variety of locations with the ability to perform research that cuts across multiple technologies, disciplines, and cultures. The Center's employees are knowledgeable regarding customers' requirements and are ready to respond effectively to provide the best value for the customers' needs including expertise in technology insertion, technology assessments, and test and evaluation.

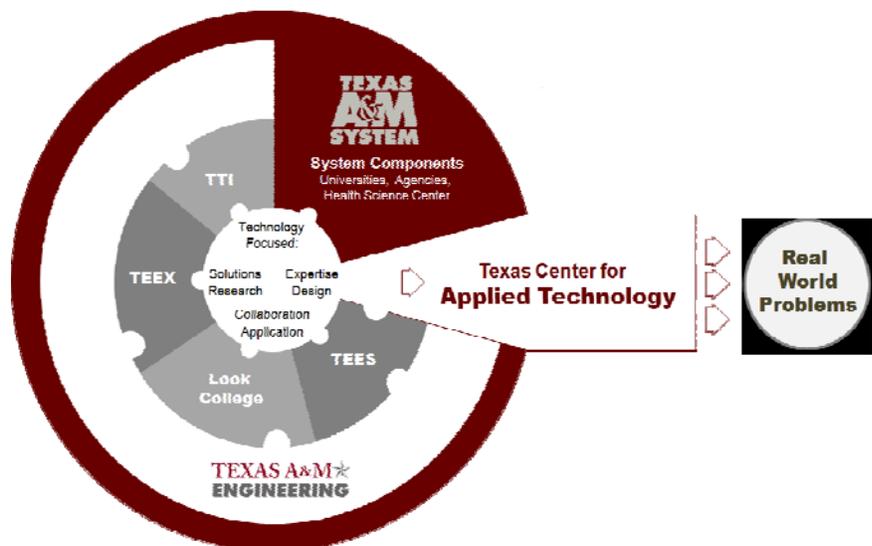
TCAT is part of the Texas A&M Engineering Experiment Station (TEES), a member of The Texas A&M University System. The A&M System is one of the largest and most comprehensive systems of higher education in the United States. Through a statewide network of eleven university campuses, seven state agencies, and a comprehensive health science center, the A&M System educates more than 120,000 students on its university campuses, conducts more than \$780 million in research, and reaches another 22 million people through service each year. TEES is an engineering research agency for the state of Texas and conducts over \$147 million in research annually. Because of the Center's position within the Texas A&M Engineering program, TCAT's expertise can easily be extended by rounding out its team with world class faculty researchers, as appropriate. TCAT is in an excellent position for collaboration not only with The Texas A&M University System components and their customers but with other universities, institutions, centers, and industry.

TCAT'S CORE COMPETENCIES

Energy Sustainability ★ Environmental Sustainability
Manufacturing & Systems Engineering ★ Information Technology ★ Modeling & Simulation
Technology Insertion ★ Test & Evaluation

TEXAS A&M ENGINEERING

Texas A&M Engineering consists of the Dwight Look College of Engineering, and three engineering agencies, including TEES: Texas A&M Transportation Institute (TTI) conducts research and professional education in all modes of transportation. The Texas A&M Engineering Extension Service (TEEX) works to develop a highly skilled and educated workforce and enhances public safety through training, continuing education, and technical assistance.



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