



Time Standards Development: Corpus Christi Army Depot (CCAD)

The CCAD provides complete depot maintenance operations for the army's helicopter fleet. Time standards are critical to the process of quoting repair costs. These standards are periodically reviewed to ensure accuracy when quoting repairs and also to estimate capacity available in each overhaul process. TCAT was hired to develop and revise time standards to better estimate the cost of repairs and capacity.

CCAD was required to periodically review time standards to ensure accuracy when quoting repair costs. This also is used to determine staffing, capacity, and cycle time for completing and overhaul. Inaccurate time standards led to gross inefficiencies and process over time. CCAD's workload began to take a heavy toll during the Iraq war and many of the helicopters were in need of repair or needed overhaul. This greatly increased the workload at CCAD and the need for accurate CAT 2 standards.

TCAT was able to provide a staff of industrial engineers to develop the needed CAT 2 standards beginning in 1999 until 2007. TCAT applied a patented process for conducting time standards which greatly increases the efficiency for time standard development. This process has now become standard for all standards being developed by TCAT. The process takes advantage of technology to provide very accurate and repeatable results.



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.

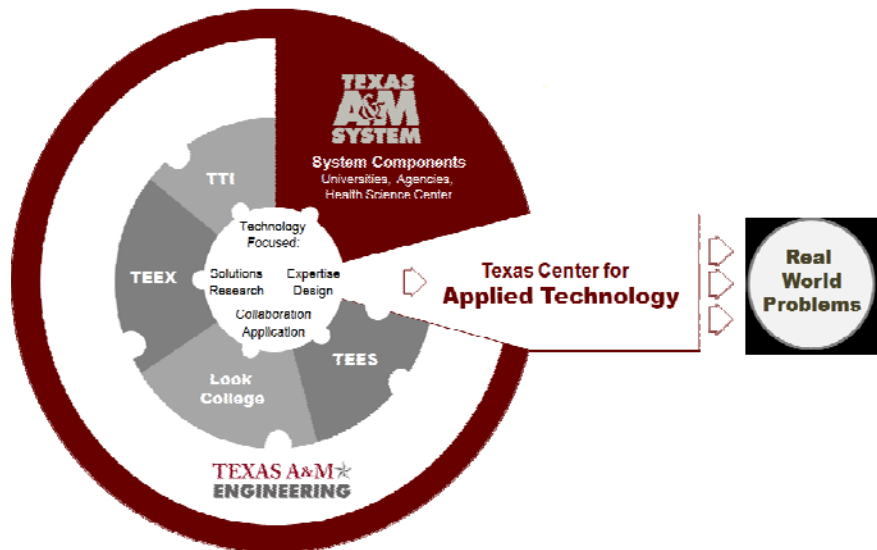
TCAT is part of the Texas A&M Engineering Experiment Station (TEES), a member of The Texas A&M University System. The A&M System is one of the largest and most comprehensive systems of higher education in the United States. Through a statewide network of eleven university campuses, seven state agencies, 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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