GEORGIA TECH RESEARCH INSTITUTE

For almost 80 years, the Georgia Tech Research Institute has built a reputation as one of the world's premier applied research and development organizations. Each day, GTRI's science and engineering expertise is used to solve some of the toughest problems facing government and industry across the nation and around the globe.

A non-profit research institute, GTRI teams with its customers to attack their problems with passion and objectivity. In FY 2011, GTRI conducted more than $220 million in sponsored research for government and industry. Our nearly 1,600 expert scientists, engineers, and support staff turn ideas into workable solutions and then put those solutions into action.

GTRI's core research areas are Systems Engineering, Information and Communications Technologies, Sensors, and Test & Evaluation. GTRI also has a long history of solving complex problems in the areas of Electronic Warfare, Modeling & Simulation, Materials, Radar, Sensors, Optics, Digital Media, Robotics & Unmanned Systems, Cybersecurity, and Aerospace Technologies. Major customers for GTRI research include United States Department of Defense agencies, the state of Georgia, non-defense federal agencies, and private industry.

The focus of GTRI's activities within the consortium will include developing technologies related to border security, especially in the areas of surveillance, monitoring, communications, and information. GTRI has the capability to model, analyze and test existing systems. GTRI's non-profit status enables supporting the government with unbiased analyses, tests and evaluation of new technologies. GTRI has experience across the entire spectrum of test and evaluation, from helping convert user needs to measurable requirements through planning, executing, and analyzing system tests. GTRI regularly plans and executes field tests, including managing the Thunderstorm border technology demonstration.

GTRI is nationally renowned for its work with sensors, and has subject matter experts on its staff in the areas of radar, electro-optical/infrared, and acoustic systems. GTRI has integrated both in-house and commercial off-the-shelf (COTS) sensors into complete systems for customers, including the U.S. Army's Rapid Equipping Force. These sensor systems are used either as stand-alone information collection, exploitation, dissemination platforms, or in groups to provide multi-sensor data fusion and integration.