SENSIAC Success Story

Training Ourselves Out of Business

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Customer:	U.S. Army Aviation Technical Test Center (ATTC)
Challenge:	Army aviation faces an array of shoulder-launched infrared-guided missiles on a daily basis as part of the Global War on Terror. Self-protection suites on the aircraft include infrared expendables used as decoys, infrared jammers, and missile warning systems. Designing and implementing tests of the effectiveness of these systems requires extensive training of government engineers.
Approach:	SENSIAC employed a two-pronged approach to tackling this challenge – the Army's need for trained and capable engineers. In addition to teaching several 3-5 day short courses, SENSIAC provided engineering analysis and technical expertise in the planning, execution, and analysis for a wide range of Aircraft Survivability Equipment (ASE) testing. This technical support included infrared signature measurement, modeling, analysis, and reporting for both fixed-wing and rotary-wing aircraft. Flight test staff members were trained to perform expendables testing, laser warning testing, infrared jamming testing, infrared signature testing, radar warning testing, and laser jamming testing.
Value:	The combination of flight test support, educational training, equipment procurement, flight test procedures documentation, and expert advice provided the U.S. Army ATTC with a standalone capability to conduct the tests necessary to field crucial ASE upgrades.

SENSIAC is operated by the Georgia Institute of Technology under contract HC1047-05-D-4000.