ICRC Customer Success Story

Advanced Vehicle Technologies
41150 Technology Park Drive
Suite 101
Sterling Heights, MI 48314
Tel: 586.799.1800
Fax: 586.991.0955

Customer: U.S. Army, National Automotive Center

Project Definition and Objectives

Research and Development of Advanced Vehicle Systems for SmarTruck™ I, II and III

The objective of this project was to demonstrate advanced vehicle electronics and communications systems installed on commercially available vehicles to the U.S. military.

The National Automotive Center's SmarTruck program was originally designed to foster partnerships between the U.S. Army and commercial companies. ICRC served as the software and hardware integrator for the SmarTruck I, II and III vehicles.

Tasks

The tasks performed by ICRC for this project included:

- Developing the SmarTruck vehicle specifications and components and integrating the hardware and software.
- Demonstrating the integration of multiple devices by employing an integrated common-user interface on a touch-screen flat panel display with one-level menu structure. The custom software controls and monitors advanced vehicle technologies, sensor arrays, and weapon systems for security and field command applications.
- Creating innovative GPS and diagnostic software to monitor the location and overall system performance of the base vehicles, as well as integrated systems.
- Providing a plug-and-play controls architecture with the flexibility to power all added devices and/or interface with all communication protocols.
- Developing data acquisition technology using Internet connectivity to manage vehicle systems awareness technology.
- Managing more than 20 suppliers for three SmarTruck vehicles displayed at major military and automotive technology exhibitions held from 2001 to 2004.

Impact

ICRC delivered the following results:

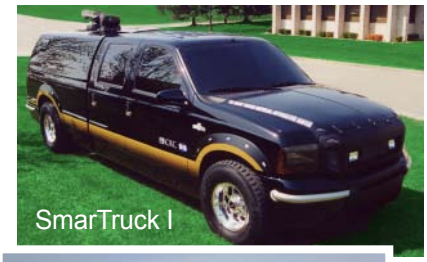
- Demonstrated state-of-the-art in-vehicle intelligence.
- Established a proven track record for the integration of emerging advanced vehicle technologies with existing military programs and requirements.
- In less than two months, completed the interior design and development for SmarTruck III (including software development and GUI design), thereby meeting the fast-track project schedule.
- Developed technology to enable C4ISR capabilities to be added to new and previously fielded military vehicles. This technology is scheduled to be fielded by ICRC to military units in late 2006.

Other ICRC Services:

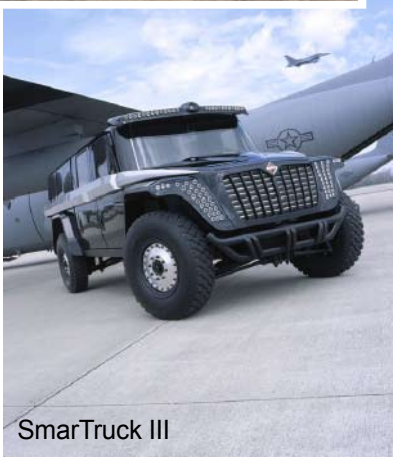
Information Sciences
Aerospace Services
Infrastructure Support Services

For more information or to discuss potential contracting opportunities, contact ICRC's Corporate Headquarters:

Phone: 703.519.9901
E-mail: info@ICRCsolutions.com


SmarTruck I


SmarTruck II


SmarTruck III