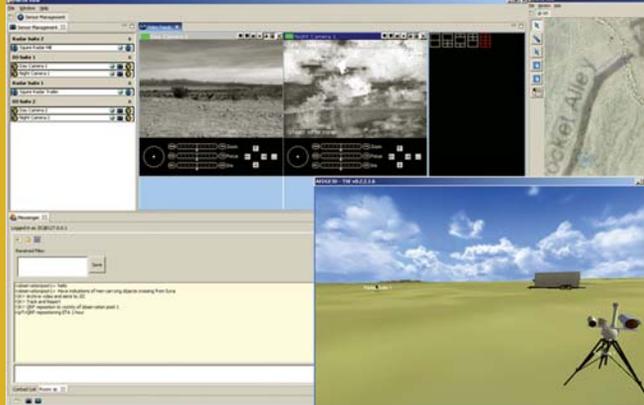




21ST CENTURY SYSTEMS, INCORPORATED® (21CSI®)

HIGH RESOLUTION SITUATIONAL AWARENESS (HIRSA)



Border Surveillance

About the Technology

21st Century Systems, Inc. (21CSI) developed the High Resolution Situational Awareness™ (HiRSA™), product line, and open architecture, modular software that integrates data feeds from a variety of sensors and displays them via a user-defined operating picture for Anti-Terrorism/Force Protection (AT/FP) operators. The HiRSA software is augmented by intelligent agents that provide persistent surveillance and automatic alert capability. HiRSA's intelligent agents continuously monitor, detect, and warn of impending threats. Decision support modules recommend courses of action to operators, including automatic notifications and remote slew of sensors and weapons. Using a high-resolution geospatial representation of the operational environment, including terrain elevation and imagery data, HiRSA provides a detailed, correlated 2-D and 3-D view of the battlespace to operators at a command center or in the field.

HiRSA allows sentries to share information about detected suspicious activity using linked wireless handheld devices. Roving sentries are able to view security video feeds from low light and infrared cameras, send still photos, and create security event reports for remote viewing by personnel in command and control centers, using geospatial and imaging software on mobile devices. As the integrative software for Critical Area Protection System (CAPS™), HiRSA has been deployed to Camp Fallujah, Iraq, as well as in and around the Naval Surface Warfare Center Panama City base complex.

Military and Commercial Significance

21CSI's HiRSA product line provides the AT/FP community with an efficient and cost-effective means to improve force protection, situational awareness, and decision making with significantly fewer sentries and support manpower. HiRSA improves AT/FP situational awareness while reducing command center manpower. Additionally, HiRSA provides the means for security forces to share real-time information throughout the network. Because HiRSA easily accommodates a wide variety of sensors and legacy systems, it does not require substantial hardware upgrades. The results are greater cost savings and better force protection.

APPLICATIONS

- Integrating software for CAPS
- Installation and expeditionary baseline perimeter security systems
- Military utility assessment and integrating software for CAPS multi-sensor system
- Commercial and industrial infrastructure security and system management

About the Company

21st Century Systems, Inc. (21CSI) develops decision support software to help operators manage complex, high-stress, rapidly changing environments through sound, computer-assisted data monitoring and decision making. Intelligent agents embedded in the systems enable the software to adapt, respond, and learn from individual users in a variety of situations. In 2005 and 2006, Inc. Magazine inducted 21CSI into the Inc. 500, the magazine's annual ranking of the fastest-growing privately held companies in the U.S. Now entering its 12th year, 21CSI has offices in nine states supporting government and private sector clients. 21CSI is located on the web at www.21csi.com.

Topic Number: N02-207
(ONR)

SBIR Investment: \$925K
Project Revenue: \$2.04M

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