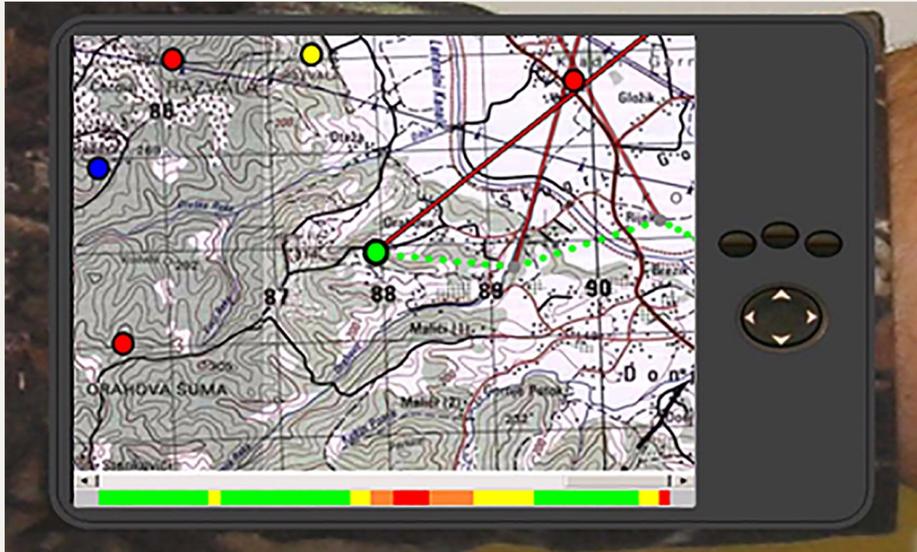




USSOCOM SBIR Successful Technology Pursuit



Innovative Technology

Topic Number | SOCOM02-012

Topic Title | Threat Warning Software

Dynamic threat warning capabilities have the potential to provide enhanced situational awareness to warfighters, and thereby, save lives. Under a Department of Defense (DoD) Small Business Innovation Research (SBIR) project, Next Century Corporation has developed the Threat Warning System (TWS). The system detects and classifies radio frequency (RF) emissions from any direction and has an accuracy of detecting signals from 360 degrees up to 5 kilometers away and within a 2 degree line of bearing. TWS displays a line of bearing to the signal on a wrist-worn map display and features an easy-to-use interface that illustrates real-time threat information in a geospatial context. In addition, the system is based on Open Architecture, which allows for future improvements. Additional development work on the technology focused on miniaturization and ruggedization of the device, as well as interconnecting multiple devices to enable targeting capabilities.

Company and Contact Information

Company Name | Next Century Corporation
7075 Samuel Morse Drive Suite 250
Columbia, MD 21046



Technical POC |
Charlie Butterfield
443-545-3100
charles.butterfield@nextcentury.com

Business POC |
Mark Allen
443-545-3135
mark.allen@nextcentury.com

Company URL | <http://www.nextcentury.com/>

Government Contact |
USSOCOM Transition Agent: Bonny Heet
bonny.heet@socom.mil
(813) 826-9506

Military and Commercial Significance

Next Century Corporation received nearly \$2 million in Phase I and Phase II SBIR funding from DoD for its Threat Warning System. The company also was awarded an Advanced Concept Technology Demonstration (ACTD) contract worth over \$862,000 to further develop the technology. DoD awarded the MANPACK ACTD contract.

Sponsored by the Office of the Deputy Undersecretary of Defense for Strategic and Tactical Systems, the MANPACK ACTD served as a vehicle for transition of next-generation technology into the Ground Signal Intelligence Kit variant of the Joint Threat Warning System.

The ACTD effort was recognized as the 2006 ACTD of the Year.

The core technology in the system could be used as an advanced signal search product, with uses in the wireless communications area. The technology also has applications in border protection applications to detect RF emissions, as well as in prison systems to detect unauthorized cell phone usage.

Last updated: 04/25/2014