

Fact Sheet

U.S. ARMY COLD REGIONS RESEARCH AND ENGINEERING LABORATORY SMALL BUSINESS INNOVATION RESEARCH (SBIR)

SBIR is a federally funded program designed to promote small business participation in government programs. Small businesses may propose Phase I concepts for development with Army funding not to exceed \$70,000. Army funding under Phase II is limited to \$730,000 for further development of the technology with interim funding of \$50,000 between Phases I and II, should the project be accepted for transition to Phase II. The private sector absorbs Phase III funding involving commercial applications of the technology developed. The small business partner may obtain title to inventions. The following are CRREL's active projects as of 1 March 2000.

For more information, please visit the Army SBIR Web page (<http://www.aro.army.mil/arrowash/rt/sbir.htm>).

TITLE	PARTNER	OBJECTIVE
Phase I: High Resolution Sub-surface Acoustic Soil Imaging	Creare, Incorporated	Develop an acoustic soil imaging system for detection of hazardous materials and artifacts buried in the ground, as well as an assessment of subsurface layering and groundwater properties.
Phase I: An Environmentally Benign Helicopter Deicing/ Anti-Icing Fluid	METSS Corporation	Develop an innovative and effective technique for the prevention or removal of ice and snow accumulations from helicopter airframe and blade surfaces prior to flight.
Phase I: Range Resolved Inflight Air Temperature Sensing	Technology Service Corporation	Develop a sensor system that will accurately predict icing hazard conditions ahead of an aircraft.
Phase II: Advanced Microwave Camera for 3-D Imaging of Subsurface Objects in Snow and Frozen Ground	Satimo, Inc.	Develop an advanced microwave camera for detecting and imaging water channels in snow and shallow buried objects in frozen ground. The camera could also be used for imaging of delaminations and other defects in military and industrial products.

POINT OF CONTACT

Theresa Salls, CRREL SBIR Program Manager
603-646-4651
Fax: 603-646-4448
E-mail: tsalls@crrel.usace.army.mil

July 2000

