



BEFORE THE FIRST STEP

You must execute strategy in environments rife with unknown hazards – traveling unknown terrain with danger underground. And driving your actions are these directives: Prevent. Protect. Save a Soldier.

Enlist the developer of the world's best landmine detection equipment as your front line defense:

NIITEK.



THE FOUNDATION FOR A FUTURE OF SECURITY TECHNOLOGY

With viable applications in today's theaters and beyond, our sensors form the center point for our research and development in software, signal processing, and rapid prototyping. Flexible and adaptable, our sensors can be mounted on platforms of your choice.

Using the right tools boosts the chances for a successful mission. NIITEK's sensors are designed precisely to detect buried explosives. The result: features that offer superior effectiveness in the field.

- **Up to 3-meter swath**
- **10+ km per hour advance rates**
- **Clearest subsurface imagery of targets**
- **Ultra-wide-bandwidth impulses (200MHz to 7 GHz bandwidth)**
- **Geolocation accuracy**
- **Superior usability without extensive training; intuitive functioning**
- **Great portability: lightweight, low power consumption**
- **Operable across a wide range of heights (near-zero inches to about 16 inches)**

INNOVATIONS THAT ADVANCE YOUR MISSIONS

Here's a closer look at our eyes into the ground. NIITEK's adaptable solutions have served in tandem with diverse vehicles and custom platforms, successfully addressing changing needs.

- **Intuitive soldier interface**
- **Automatic target recognition (ATR) algorithms**
- **Audible and visual detection alarms**
- **Automatic jet-spray marking systems**
- **Automatic sensor height control**
- **Integration with metal-detection sensors**
- **GPS tagging**
- **Remote subsurface visualization displays**
- **Remote override of marking systems**
- **GPS-based test automation over existing US Army Countermining test ranges (US Army RDECOM CERDEC NVESD).**

DEDICATED. COMMITTED. EXPERIENCED.



NIITEK's R-VISOR on TALON®

Full-force Visor™ 2500 GPR performance on a tough, man-packable form factor: The MINI provides the solution for clear path identification, EOD spot inspection and remote subsurface visualization.



NIITEK'S VISOR™ 1050 ON FOSTER-MILLER TALON®

Put NIITEK's proprietary GPR technology to work in AP, AT, and other threat detection while increasing personnel safety through remote operation.

NIITEK MINESTALKER II™

Its handheld remote laptop interface performs with excellence and goes beyond anomaly detection to marking, alerts, and data archiving for post-mission analysis.



HUSKY MOUNTED DETECTION SYSTEM (HMDS)

NIITEK's multi-panel high-performance GPR system, combined with a manned, blast-resistant vehicle, offers rapid ability to scope out anti-vehicular landmines and other hazards on main supply routes (MSRs).



Through incremental development, NIITEK delivers ever improving sensors, software, and automatic target recognition (ATR) algorithms, integrated to deliver detection systems that are aligned, accurate, and ready for duty. NIITEK innovation begins with the best ultra-wideband ground penetrating radar arrays specifically designed and manufactured for explosive hazards detection. NIITEK has developed sensors that are the world's best for many critical military situations and humanitarian demining as well. In blind tests at US Army Countermine Night Vision and Electronic Sensors Directorate (US Army RDECOM CERDEC NVESD), NIITEK sensors beat the competition by almost two orders of magnitude in detection and false alarm rate comparisons.

Since 2000, NIITEK has built a reputation for excellence and innovation in adaptive landmine detection systems. NIITEK has a long history supporting US Army Countermine Night Vision and Electronic Sensors Directorate (US Army RDECOM CERDEC NVESD).

With headquarters and research and development in Dulles, Virginia, and a production facility in Charlottesville, Virginia, NIITEK's diverse and talented team is united by its dedication to fielding buried explosive detection systems.

The opportunity to save lives, soldier and civilian: That's what drives the people at NIITEK.



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