

NextGen Awarded Patent for Technology Used to Detect and Identify Roadside Bombs, Suicide Belts, Explosives, and Narcotics

NextGen, Inc. is awarded unrestricted patent for its ground-breaking Orbitron technology used to detect and identify IED's (roadside bombs), suicide belts, explosives, and narcotics.

(FV Newswire) January 06, 2010 -- The U.S. patent office has awarded NextGen, Inc. an unrestricted patent for its ground-breaking Orbitron tunable source (dubbed iMARS Integrated Multi Application Radiation Source). iMARS is the underpinning technology used in NextGen's stand off detection system or ISOD (Integrated Stand Off Detection System). NextGen's patented technology enables military and civilian security personnel to detect and identify explosive devices and narcotics from a safe distance.

The company anticipates that ISOD will reduce warfighter casualties, decrease asset losses, improve safety at airports and seaports, and increase throughput at security checkpoints. The ISOD backpack is scheduled to undergo testing in February and March of 2010 by the U.S. military. The additional improvements planned for the ISOD system will increase the product's effectiveness when used to locate improvised explosive devices (IEDs) or roadside bombs, devices that continue to present significant threat to the U.S. and allied forces operating in both Iraq and Afghanistan theaters.

Award of the patent will enable NextGen to aggressively move forward with the ISOD development efforts in order to enhance its capabilities to detect and identify targets through the use of highly sophisticated spectroscopy. Furthermore, an advanced imaging system provides a video image of targets on a hand-held LCD monitor. The product development roadmap calls for the development of other versions of ISOD for deployment in military vehicles, at airports, security checkpoints, border crossings, and seaports to detect and identify explosives, narcotics, and suicide belts.

"We are very pleased to have received an unrestricted patent for the iMARS source which is the underpinning technology in our ISOD detection system," stated Ross Shariati, president of NextGen. "The iMARS source utilizes the Orbitron tube, which provides a tunable high output signal which is essential in detection and identification of roadside bombs and suicide belts in distances of up to 500 meters. This technology is highly advanced and can be deployed in an unobtrusive manner to detect personnel-borne IED's, roadside bombs, and narcotics. Due to the widespread applications of this technology, we fully expect that this product line will significantly enhance our national security."

About NextGen:

NextGen is an (8a) entity located in Fairfax, Virginia. For the past 12 years, NextGen has provided engineering and technology development support services to commercial and government clients. In addition to its commercial clients and its presence on a number of GSA schedules, NextGen has active contracts with the Naval Surface Warfare Center and the U.S. Army. For more information about NextGen's services and areas of expertise, visit the company's website at www.picknextgen.com.

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