

Law Enforcement, Homeland Security, First Responder Robots - - Markets Reach \$4.6 Billion By 2021

LEXINGTON, Massachusetts (June 11, 2013) – WinterGreen Research announces that it has a new study on Law Enforcement, First Responder, Border Patrol Ground Robot Mobile Platform Systems of Engagement. The 2013 study has 587 pages, 206 tables and figures. Worldwide markets are poised to achieve significant growth as platforms of engagement leverage mobile device capability worldwide. Even as the US presence in Iraq and Afghanistan winds down, automated process implemented as mobile platform systems of engagement are being used to fight terrorists and protect human life. These robots are a new core technology in which all governments must invest.

Law Enforcement, First Responder, Border Patrol ground robot market growth comes from the device marketing experts inventing a new role as technology poised to be effective at the forefront of fighting terrorism. Markets at \$4.5 billion in 2013 reach \$12.0 billion by 2019. Growth is based on the adoption of automated process by Law Enforcement, First Responder, Border Patrol organizations worldwide. This automated process implemented as a combination of software for innovation and robotic platforms is not the traditional Law Enforcement, First Responder, Border Patrol system.

They are systems of engagement that have arms and sensors, tracks and wheels, motors and solid state batteries. These systems of engagement support leveraging smart phones and mobile platforms. The aim is to achieve a broader, more intelligent Law Enforcement, First Responder, Border Patrol presence in every area of the globe.

In the last decade, the U.S. Law Enforcement, First Responder, Border Patrol poured money into unmanned ground systems to help protect troops against improvised explosive devices. There is the issue that the Defense Department needs to repurpose all those robots once the war in Afghanistan comes to a close. The wider market for Law Enforcement, First Responder, Border Patrol ground robots will develop as a mechanism to fight terrorism in response to the bombings in Boston and elsewhere. Bombing of civilians is a very serious matter and needs to be addressed with mobile platforms that prevent terrorist acts.



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While the Army's committed to unmanned ground systems, appears to be slowing, this commitment is anticipated to heat up again quickly. the investment priorities are anticipated to change as the Defense Department realizes that investments in ground robots are needed to fight terrorism everywhere.

Just as troops leave Afghanistan, so also the robots that worked alongside them leave. The difference is that the robots are finding new uses as mobile security platforms that protect against the loss of human life. The Army plans to upgrade 2,700 of its existing Law Enforcement, First Responder, Border Patrol robot systems for use in training or further deployments.

Another 2,469 will be divested and given to Defense Department partners or other government agencies. The U.S. Law Enforcement, First Responder, Border Patrol's spending on UGVs appears as though it might decrease according to the words coming out of the defense department, but as Congress assesses the damage from the Boston bombing, it will become apparent that there is only one choice from fighting terrorists efficiently and that is through the use of Law Enforcement, First Responder, Border Patrol ground robotic platforms that function as mobile systems of engagement.

Law Enforcement, First Responder, Border Patrol ground robot market shares and market forecast analysis considers that Law Enforcement, First Responder, Border Patrol ground robots have a vast new market based on their ability to protect human life in the event of terrorist attack. This was proved virtually in the recent Boston terrorist attack when one of the Watertown police officers pulled the emergency brake on a police vehicle and rolled it up next to the terrorists in the stolen SUV Mercedes. Without actually being in the car, the local police officers were able to spook both terrorists by making them think they were being directly flanked.

The terrorists thought the vehicle really had police offices in it and shot toward it and detonated bombs in the rogue vehicle. The virtual robot vehicle did its job of protecting the lives of the Watertown police officers and of catching the bad guys.



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Both terrorists were captured using robots, the robot car (actually a real car that was pushed into a bad situation as a robot would be, thus simulating a robot) and the robots that were used in the boat where the other terrorist was hiding to inspect the situation had a direct role in capturing the terrorists. Thus the Boston bombing illustrates a whole new use for Law Enforcement, First Responder, Border Patrol robots in terrorist situations.

In this manner, robot vehicles are sure to be used to fight terrorism going forward. It should be noted that though all the resources of the federal government and state government were directed toward solving the crime, that it was the very very local group of police, the Watertown police department who did much of the work.

It was the local Watertown police department members who were engaged in a firefight with terrorists and who had to think on their feet to capture the bad guys and do it without getting killed themselves or endangering other civilians.

It is to the credit of the local police department that they were able to do this and it is noteworthy that they did use Law Enforcement, First Responder, Border Patrol robots in the endeavor and the police vehicle that doubled as a Law Enforcement, First Responder, Border Patrol robot presages more use of Law Enforcement, First Responder, Border Patrol style robots by local police departments.

The defense industry is entering a new era. Law Enforcement, First Responder, Border Patrol robotics are poised to play a significant role in achieving change in security delivery. With battlefield engagements winding down, terrorism has emerged as a constant and current threat. The recent terrorist bombings in Boston and other cities worldwide illustrate that threat. Law Enforcement, First Responder, Border Patrol robots are the best practice technology for dealing with terrorists in many cases.



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According to Susan Eustis, the lead author of the study, “the purchase of Law Enforcement, First Responder, Border Patrol robots is driven by the need for modernization of the Law Enforcement, First Responder, Border Patrol . The new Law Enforcement, First Responder, Border Patrol is dependent on flexibility and early response. The use of Law Enforcement, First Responder, Border Patrol robots is based on providing a robot that is less expensive to put in the field than a trained soldier and support the desire to keep the trained soldiers out of harm’s way. That automation of process and modernization has appeal to those who run the Law Enforcement, First Responder, Border Patrol .

Robots are automating Law Enforcement, First Responder, Border Patrol ground systems, permitting vital protection of soldiers and people in the field, creating the possibility of reduced fatalities. Mobile robotics operate independently of the operator.

We hear from Law Enforcement, First Responder, Border Patrol leaders all over the world that the plan going forward is to utilize automated process to replace the warfighters and keep them out of the line of fire. The Law Enforcement, First Responder, Border Patrol robot market is evolving in this context.

Law Enforcement, First Responder, Border Patrol ground robot market forecast analysis indicates that vendor strategy is to pursue developing new applications that leverage leading edge technology. Robot solutions are achieved by leveraging the ability to innovate, to bring products to market quickly. Law Enforcement, First Responder, Border Patrol purchasing authorities seek to reduce costs through design and outsourcing. Vendor capabilities depend on the ability to commercialize the results of research in order to fund further research. Government funded research is evolving some more ground robot capability.

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WinterGreen Research supports various market segment programs; provides trusted technical services to the marketing departments. It carries out accurate market share and forecast analysis services for a range of commercial and government customers globally. These are all vital market research support solutions requiring trust and integrity.

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