

Army Guide monthly



3 (174) March 2019

- In Russia started testing the Marker UGV
- UK Army Robotics Receive GBP66 M Boost



Robots

In Russia started testing the Marker UGV



According to the Foundation for Advanced Research (FAR), various technologies are being developed on the basis of Marker Combat Unmanned Ground Vehicle (CUGV), as well as modifications that will be able to interact with SWAT. This experimental platform is a constructor for creating models of combat operations of the future.

The mobile demonstrator of robotics technologies is being developed to test the technologies being created using an aggregate-modular design principle, with an open architecture and with the possibility of conducting a full-scale development of technologies and basic elements of ground-based equipment. The FAR noted that the evolution of modern CUGV is on the path of increasing the mission capabilities in the autonomous mode with a gradual decrease in the involvement of the operator in control.

Robotic platform Marker is a joint project of the National Center for the Development of Technology and Basic Elements of Robotics (FAR business unit) and NGO Android Technology. Previously, they had already created a Fedor humanoid robot, which was transferred to Roskosmos. In addition, one of the well-known robotic developments of FPI, created in conjunction with the Degtyarev Plant, is the Nerekhta CUGV.



Robots

UK Army Robotics Receive GBP66 M Boost



Defence Secretary Gavin Williamson commits GBP66m of defence's new multi-million-pound Transformation Fund to fast-track military robotic projects.

The Defence Secretary visited 16 Air Assault Brigade in Colchester, which will be among the recipients of the

new battlefield technologies.

The Defence Secretary has committed BJ66m of defence's new multi-million-pound Transformation Fund to fast-track military robotic projects onto the battlefield this year.

New mini-drones, providing troops with an eye-in-the-sky to give them greater awareness to outmanoeuvre enemies on the battlefield.

Systems to fit Army fighting vehicles with remote-control capability, so they can be pushed ahead of manned vehicles and used to test the strength of enemy defences.

New autonomous logistics vehicles which will deliver vital supplies to troops in warzones, helping remove soldiers from dangerous resupply tasks so they can focus on combat roles.

Defence Secretary Gavin Williamson said:

"This announcement is a clear demonstration of how our Armed Forces are reaping the benefits from our new multi-million Transformation Fund. Each of these new technologies will enhance our Army's capabilities whilst reducing the risk to our personnel and I'm delighted we will be revolutionising frontline technology by the end of the year."

"The MOD has always embraced pioneering technology and this fund will ensure the UK stays at the forefront of global military capabilities and ahead of our adversaries."

The injection of funding from the new BJ160m Transformation Fund will see some of this equipment set to deploy to the likes of Estonia, Afghanistan and Iraq before the end of the year. The Defence Secretary will also look to make a further BJ340m available as part of the Spending Review.

The investment comes after the Army tested a range of projects as part of the biggest military robot exercise in British history at the end of last year, Exercise Autonomous Warrior.

Yesterday, the Defence Secretary visited 16 Air Assault Brigade in Colchester which will be among the recipients of the new battlefield technologies. He discussed how the new equipment will benefit troops on the ground to help increase their safety and combat effectiveness.

The Brigade is specially trained and equipped to deploy by parachute, helicopter and air-landing. Its core role is to maintain the Air Assault Task Force, a battlegroup held at high readiness to deploy worldwide for a full spectrum of missions.

Chief of the General Staff Sir Mark Carleton-Smith said:

"Rapid adaptation is an essential ingredient for success on the battlefield. The fielding of the next generation of armoured fighting vehicles and ground-breaking robotic and autonomous systems will keep the British Army at the cutting edge of battlefield technology, improving our lethality, survivability and competitive advantage."

Assistant Head of Capability Strategy and Force Development, Colonel Peter Rowell said:

"Robotic and autonomous systems make our troops

more effective; seeing more, understanding more, covering a greater area and being more lethal. They unshackle them from the resupply loop. These are game-changing capabilities; and not just for combat operations. They are equally useful in humanitarian and disaster relief operations."

After securing an extra B1.8bn for defence and overseeing the Modernising Defence Programme, the Defence Secretary has dedicated millions of pounds to transforming defence, arming the British military with innovative technology through fast-tracking new projects.

The MOD is embracing transformation at an ever-faster rate and the Transformation Fund is focused on investments in truly high-tech innovation that will create the armed forces of the future.

