

ROBOTS IN MILITARY

Military robots are autonomous robots or remote-controlled mobile robots designed for military applications, from transport to search & rescue and attack.

Machines know no fear. Advertisement Each carried a 60 to kg payload of high explosives and were employed for demolition activities and killing full-size allied tanks all controlled remotely. While drones do their work from high above, other robots are operating on the ground in battlefields worldwide. It is only in the past decade or two that computer processing, sensors, data storage, etc. have made many of the applications possible, and as a result we are seeing companies and militaries testing out how robots can fill every niche on the battlefield, from drones the size of small birds to large tanks. They don't hide under trees when it rains and they don't talk to their friends These autonomous military vehicles first saw combat during the bitter fighting of the Winter War with Finland the subsequent combat of WW2. Israel effectively converted toy remote planes for surveillance work by equipping them with simple cameras to gather information just across their border with Egypt. Michael Pottratz L , explosive ordnance disposal deputy director of technology for the U. Most recently UAV's like the U. The rapid drop in the cost of small commercial drones is making it possible for armed groups with even very limited resources to make use of this technology. Drone Swarms " United States, Perdix Drones For surveillance purposes, military drones continue to get smaller, more reliable, and smarter. Marine Corps in various operations, the Gladiator Tactical Unmanned Ground Vehicle looks like a small tank, and can be outfitted with various modular tools and armaments depending on what the situation calls for. Department of Defense. Next, advocates credit autonomous weapons systems with expanding the battlefield, allowing combat to reach into areas that were previously inaccessible. The U. One of the first military applications of unmanned aerial vehicles was by Israel in They are fixed location piece of equipment that watches for and responds to possible threats. Source: Wikimedia Commons Military robot usage increased from in to an astounding 5, by the year alone. Non state Actors Robotics is not just changing the way major powers are waging war but also changing how small countries, rebel groups, terrorist organizations and other non-state actors fight. As robots in general get cheaper and more readily available, it will be easier for groups to weaponize them. They have been used for thousands of strikes around the world since