



Why you should consider investing in a demining robot

Threats both foreign and domestic are a concern even in the free world. The United States, for example, was not spared from bombings from terrorist groups that are focused on bringing them down to the ground and in ruins.

The facts and the figures

We collected data on various bomb explosions from January 1983 to December 2002, or over 19 years: and we could notice many disturbing things that made them see more clearly how deaths caused by explosions change a lot in security issues in the United States. The United States has had its share of bomb-related incidents. Thirty-six thousand one hundred ten incidents of explosions were registered. As a result of these incidents, 5,931 people were injured, and 699 people died. As a result: 21,237 cases, or 58.81%, were registered, as well as 6,185 ones, or 17.1%, of incendiary explosions.

The world is a witness to what is happening now in Ukraine. Russia's aggression, which started last February 24, 2022, has left most Ukraine in ruins. This war conflict affects plenty of women and children and lots of innocent lives. According to the OSCE report, only during 2017-2020, 81 people were killed, and 231 people were injured of varying severity from mine explosions in Ukraine.



Land mines are difficult to see. They will remain invisible without special equipment to reveal their location, and it would explode upon contact with unsuspecting victims like women and children.

Demining is dangerous and deadly

Demining is removing land mines in an area. It's not a day job sought after by many people. Humanitarian demining entails removing all land mines to a given depth to make the place safe for human habitation. Demining specialists work on demining methods that do not endanger human life. For example, the use of dogs highly trained to work with people was the practice of safely locating those unexploded bombs. Humanitarian deminers have used dogs since the late 1980s in Cambodia and Afghanistan.

But it's not a fail-safe and effective method. No matter how dangerous it may sound, a closed and undetected mine will lead to an accident for every 1,000 or 2,000 defused mines. A reported 35% accident rate occurs every time a mine is excavated, and 24% are reported missed mines. There are also cases of undocumented narratives of people; suffering death and injury due to land mines; a large part of them are civilians, which most children posed a very high percentage of it.

The only way we can perform demining safely - is to remove humans from minefields and let to do demining by remote-controlled machines.

How can we demine safely?

The incidents of injury and death can only be avoided if nobody is present in the line of fire. To make this happen, employing demining robots is highly recommended. Intensive tests on mechanical mine clearance were carried out in Cambodia and Afghanistan and proved its efficiency: about 15,000 m² (300 times more than a human operator) may be cleared per day. About a dozen companies worldwide are ready to offer solutions for safe demining. A Slovakia-based company BOZENA

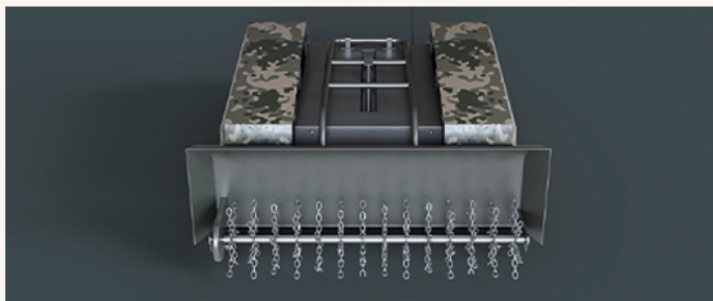
takes pride in their BOZENA 4. It is a remotely controlled demining system to clear land mines and IEDs. It works on rugged terrain environments, like forests and mountains, and would fully make any human safe from conducting humanitarian demining operations. The Canadian company Demine Robotics is proud of its JEVIT mine shovels and JEVIT mine crushers for removing any land mines. These mechanical beasts are sent to the minefield to eliminate all dangers without the presence of a

person who can get hurt if something goes wrong. But most robots' models are heavy, massive, non-maneuverable, and bulky. These factors make them complicated to use in many situations. As the statistic shows, giant heavy sapper robots neutralize anti-tank mines with 100% result. But there is one problem - these beautiful machines cannot provide such a result in the fight against the most insidious anti-personnel mines. One more essential disadvantage: these machines are expensive.

Innovative anti-personnel mine clearance robots from LeoTronics Robotics

In Krupina, Slovakia, a robotic and AI company develops two excellent-quality demining robots to clear anti-personnel mines, trip wires, and other small explosive remnants of war. LeoTronics is an European developer and manufacturer of mobile robots and solutions, based on them continue to break ground with their revolutionary with their cutting-edge products.

The mobile mine detector and the minesweeper are small demining robots that can help clear land mines in war-torn areas. Unlike other demining robots on the market, these robots provide 100% efficiency in clearing anti-personnel mines. These two demining robots also are perfect for maneuvering tight and small spaces that other demining robots would be at a disadvantage. The mobile mine detector and the minesweeper promise an excellent performance in locating, diffusing, and disposing of anti-personnel mines that have become a problem for many generations. These two great performers built in small size will revolutionize the historical trend in clearing land mines.



Demining robots is what the future holds for protecting people from harm and danger. Life is too precious, and losing it would be catastrophic for their loved ones.

LeoTronics supports a safer working environment and more livable communities across the globe. Call or email us at info@leotronics.eu, and our experts will do their best to offer you a most-effective solution. We are always rooting for you, and we assure you we got your back covered. no matter what.