BASTION TECH



BTEW-System X8

C-UAS

+ A PROTECTIVE DOME OVER EVERY VEHICLE

Mobile

Counter-UAS

Protection

DETECT

IDENTIFY

PROTECT

+ IN SERVICE AND COMBAT PROVEN

+ LOOKS LIKE AN ORDINARY ROOF BOX

Overview

A vehicle on the move is one of the easiest targets for a small drone. It cannot hide, it follows roads, and the people inside are busy with their own work. BTEW-System X8 C-UAS gives a vehicle its own electronic protection, wherever it goes.

BTEW-System X8 C-UAS by Bastion Tech is a mobile electronic warfare system that protects vehicles and their crews against drones. The whole system is housed in a commercially available car roof box. From the outside the vehicle looks like any other car with a cargo box on the roof.

The system watches the air around the vehicle through a full 360° at all times. It detects drones at 2 - 3 km, and a neural network recognises the type of signal in under 2 seconds: analog, digital, encrypted or LoRa.

When a drone approaches, suppression of its control link starts automatically on all channels at once. A drone cannot get closer than 100 m to the protected vehicle. When the threat is gone, the system returns to standby on its own.

The crew does not need to operate anything to be protected. The system works automatically while the vehicle drives or stands, and the operator sees the spectrum and the detected drones on a tablet. Suppression can also be switched on manually, including remotely from cover.

BTEW-System X8 C-UAS works against FPV drones, Mavic-type drones, Molniya-type drones and drones with encrypted links.

HOSTILE DRONE APPROACHING THE VEHICLE

> **DRONE DETECTED**
- 360° around the vehicle, 2 - 3 km

> **SIGNAL RECOGNISED**
- Neural network, under 2 seconds: analog, digital, encrypted, LoRa

> **CONTROL LINK SUPPRESSED**
- Automatically, on all channels at once
- The drone cannot get closer than 100 m

> **THREAT GONE**
- Automatic return to standby

> DETECT · RECOGNISE · SUPPRESS · STANDBY

Who It Protects

Any vehicle whose work cannot stop can carry BTEW-System X8 C-UAS. The system goes with the vehicle and protects it on every trip, not only at a fixed position.



Military vehicles and convoys

Command and communication vehicles are hit first in an attack, because without them units lose control and contact. Vehicles carrying personnel to and from their tasks get a protective zone around them for the whole journey. In a column, each protected vehicle carries its own zone, and together they cover the convoy along the whole route. The system is also installed on armoured vehicles.



Ambulances

Medical crews have to reach the wounded and the sick and bring them back. A protected ambulance keeps its crew and its patients safe on the way.

Who It Protects



Police and emergency services

Patrols, rescue and fire crews work where the situation is most dangerous. The system lets them do their work without becoming an easy target.



Airport services

Airport operations vehicles work on the apron and the airfield. BTEW-System X8 C-UAS protects the vehicle and its crew wherever they go on the airport grounds.

PROTECTED MOBILE RESERVE

A vehicle under EW protection is a protected mobile reserve of communication, command and other services.

Who It Protects



Civilian and service vehicles

The system sits in an ordinary roof box, so a civilian car or van does not stand out in traffic. Teams that repair power lines, water supply, communications and roads work in the open for hours; the vehicle protects the crew while they work.

Configurations

BTEW-System X8 C-UAS is one system. The enclosure and the mount change with the task; the protection stays the same.

Car roof box

A commercially available roof box on a passenger car, SUV or van. The vehicle does not stand out from ordinary traffic.

Armoured vehicle

Installation on armoured vehicles that work in areas where drones are used most.

Mast or tripod

The same system protects a position, a checkpoint or a site when the vehicle stops for a long time or is not needed.

Unmanned ground vehicle

Installation on a UGV so that the unmanned platform is protected on its route.

Power comes from the vehicle's on-board network, 9 - 32 V, or from the system's own battery.

DETECT · IDENTIFY



Detect and Recognise

The system scans the air around the vehicle through 360° without interruption, whether the vehicle is moving or standing. Drones are detected at 2 - 3 km.

A neural network recognises the type of signal in under 2 seconds: analog, digital, encrypted or LoRa. The spectrum and the detected drones are shown on the operator's tablet.

PROTECT



≥100 m

Protective zone around the vehicle

Suppress

When a drone comes close, the system suppresses its control link. A drone cannot get closer than 100 m to the protected vehicle.

- Automatically: on all channels at once
- Manually: including remotely from cover
- Automatic return to standby when the threat is gone

THE CREW KEEPS WORKING

Protection does not depend on the crew. The driver drives, the medics treat, the signallers keep the link. BTEW-System X8 C-UAS detects, recognises and suppresses on its own, and the tablet shows what is happening around the vehicle.

BTEW-System X8 C-UAS

Protection that travels with the vehicle

Contact Details

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