



IED JAMMER

Remote Controlled Bomb Devices Blocking System



With the development of technology, terrorist organizations are also changing their attack methodologies. Air vehicles (Drone/UAV) and remote-controlled bomb attack methods are seen. As Alfasis, in line with the information we have obtained from the attacks experienced in our country and Middle East and the devices seized, system design and device production studies have been initiated to prevent remote-controlled bomb attacks and the necessary information is provided below;

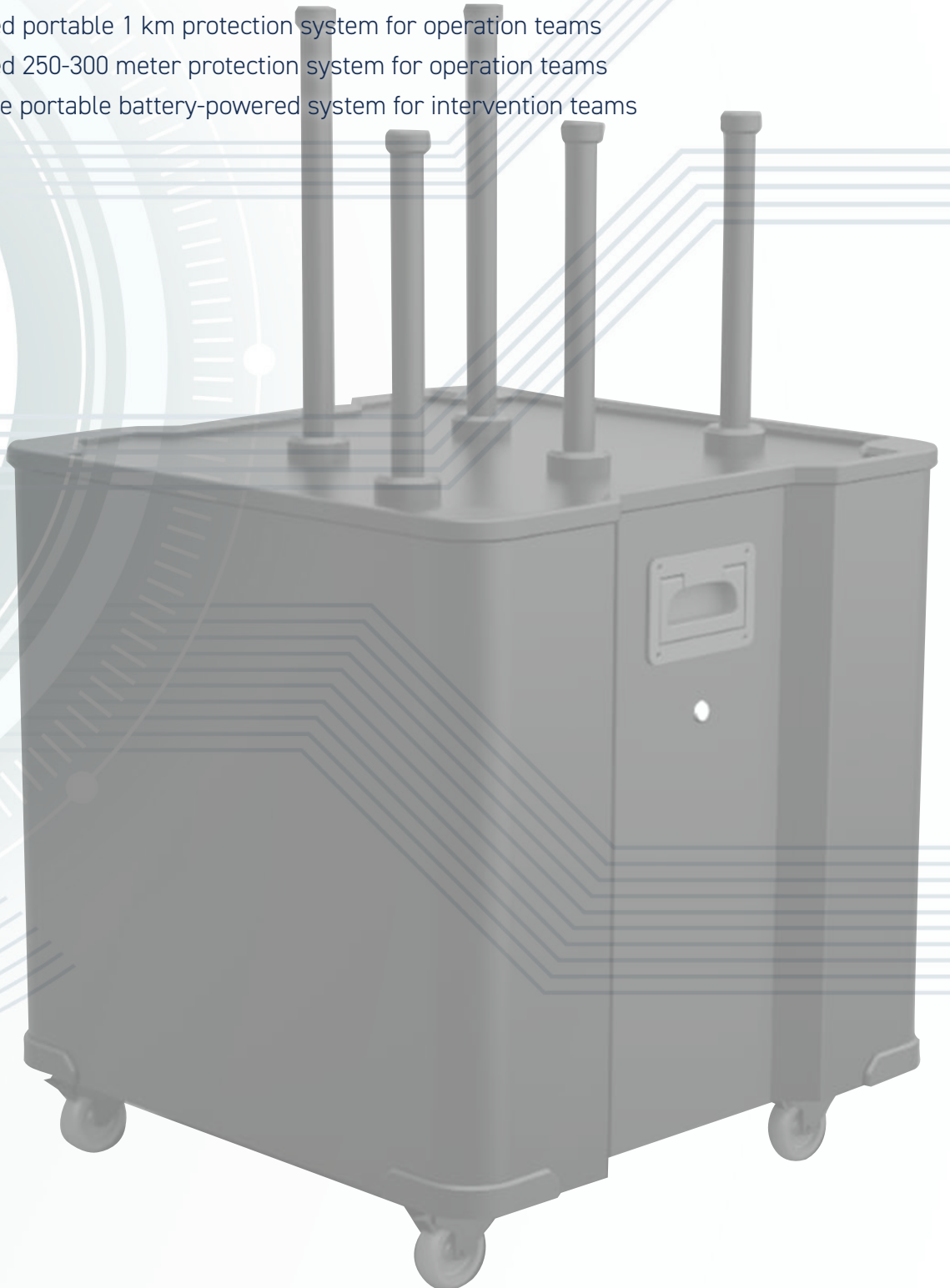
In recent domestic operations, it has been observed that terrorist elements use 315 and 433 MHz short-range RF (Radio Frequency) controls that they can easily obtain from the market. In addition to these, controls known as Alpha Fire designed for detonating fireworks, mechanisms known as Arf-27 and similar ready-made RF modules in the same frequency region, Lora system control modules made with integrated systems produced by Samtec and similar ISM Lora system modules, on the handheld radio side, Yaesu, Motorola, etc. radios, DTMF tone controlled systems in VHF/UHF bands, DTMF tone systems made with PMR handheld radios, extending the connection between the receiver and the bomb as a cable to get rid of the



jammer effect of these RF systems in question, and also using Repeater devices to increase the communication distance according to the terrain conditions in some of these systems, GSM telephone systems, the GNSS (GPS) system seen exploding at the determined location seen in social media sources, it is thought that with the developing technology, different RF, IR LED, Laser and sensor triggered bomb systems can be seen/may be seen.

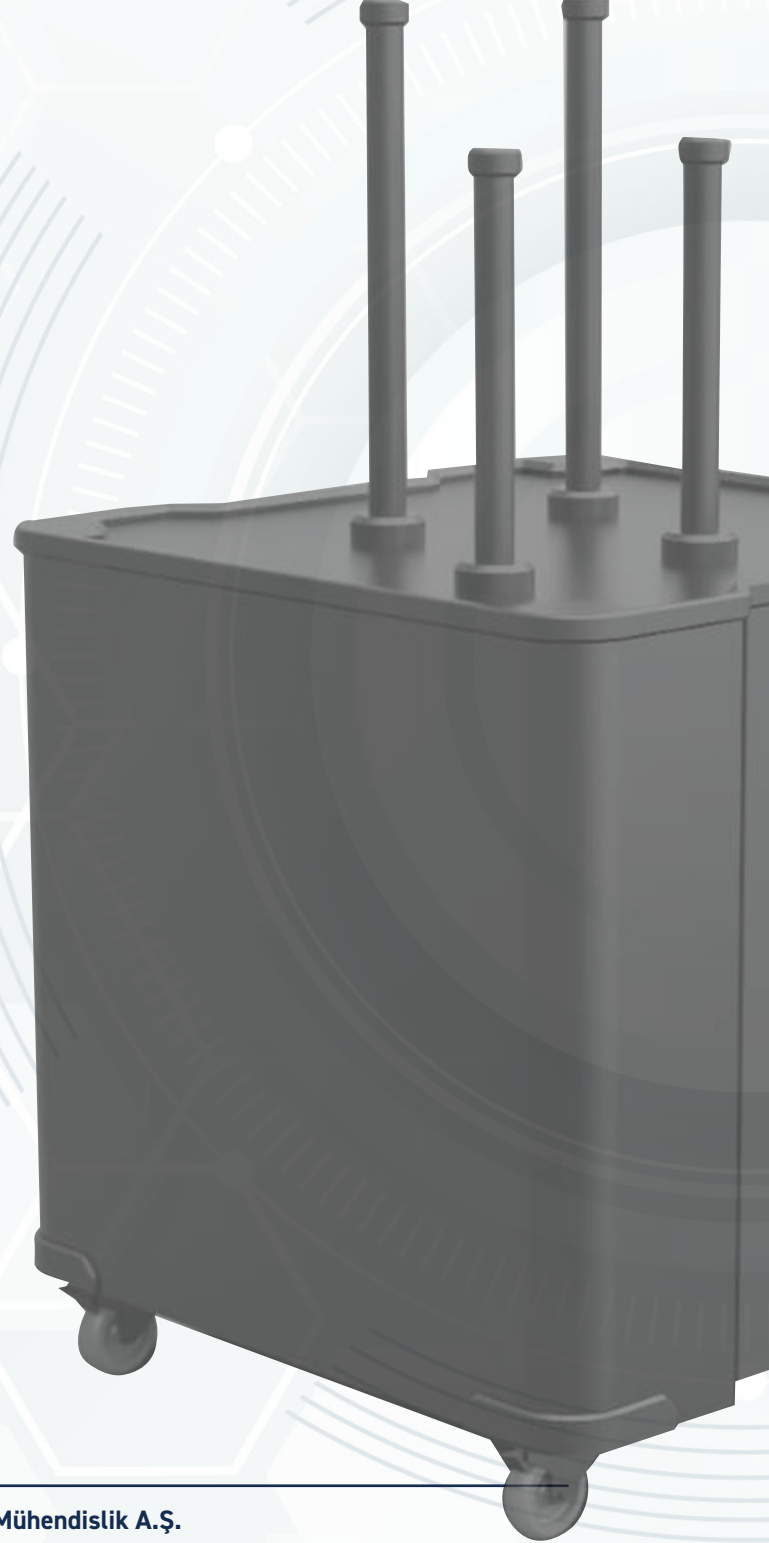
As Alfasis, we have been prioritizing the designs of remote controlled bomb systems blocking systems, which we have been conducting R&D activities for a long time. The Alfasis blocking system is not a Jammer device that blocks the receiver and transmitter signals like its competitors, the system only provides to blind and neutralize the receiver. For this reason, it does not have wide-band RF pollution and has managed to close at much longer distances with a low RF power. In this context, we would like to add your demands and the blocking methods you want to have to our designs. In line with the ongoing studies, the product range is planned as follows;

- 1.** Fixed system for building and facility protection
 - a. Arf-27, Alpha Fire, remote control blocking types of controls
 - b. Lora modules blocking
 - c. PMR handheld radio blocking
 - d. VHF/UHF handheld radio blocking
 - e. GNSS blocking
 - f. GSM blocking
 - g. Programmed blocking RF band against new threats
- 2.** On-vehicle roof rack convoy protection system
- 3.** Battery-powered portable 1 km protection system for operation teams
- 4.** Battery-powered 250-300 meter protection system for operation teams
- 5.** 100 meter range portable battery-powered system for intervention teams



IED JAMMER

Remote Controlled Bomb Devices Blocking System



Technical Specifications

Power Supply 220v- AC - 50 hz

Power Consumption \leq 2 kW

Dimensions Width: 60 cm Length: 60 cm Depth: 60 cm

Weight \leq 40 kg

Communication Interfaces

RJ-45 Ethernet 100 Mbps (optional)

RS-232/422 (optional)



Alfasis Savunma Mühendislik A.Ş.

Main Office

Kızılırmak Mah. Dumlupınar
Bulvarı
No:3C-1/160 Next Level
Çankaya/Ankara /TÜRKİYE

info@alfasissavunma.com.tr - www.alfasissavunma.com.tr

R&D Office

Teknopark Ostim OSB Mah.
Cevat Dünder Cad. Turuncu
Bina, Kat 2 No:25 06374
Yenimahalle/Ankara /TÜRKİYE