Mine Kafon Multi-Sensor

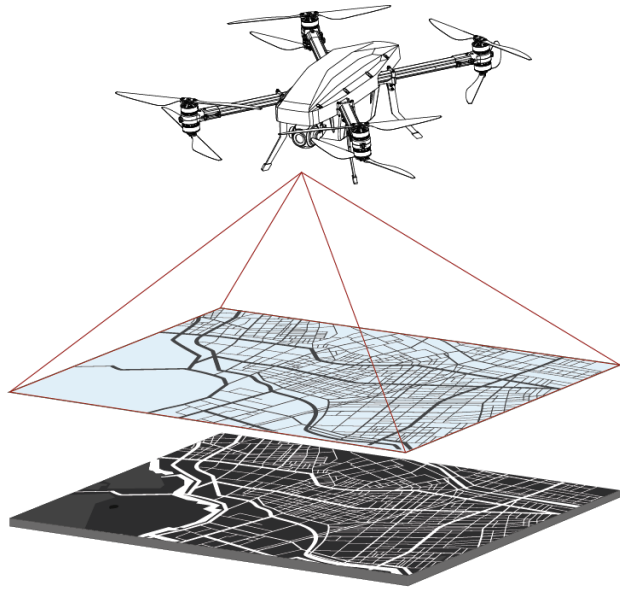Looking forward to a landmine free world

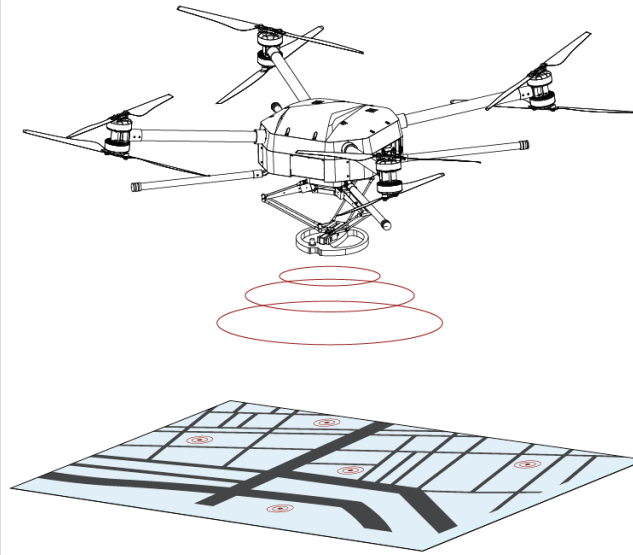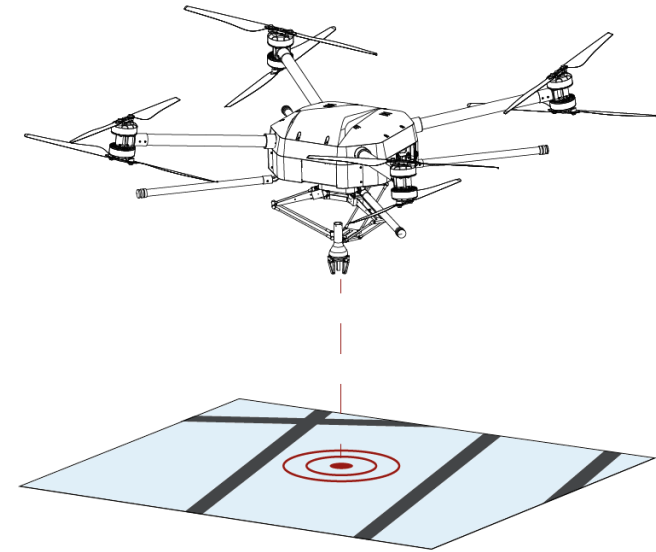Mine Kafon®

Mine Kafon 3-Step Process

Mapping

Detection

Detonation

The Mine Kafon Airborne Demining System consists of **two drones** with two interchangeable extensions.

Mine Kafon Mapping

How it works

A crucial part of the procedure of detecting landmines is to have a 3D model image that can be achieved with the Mine Kafon drone.
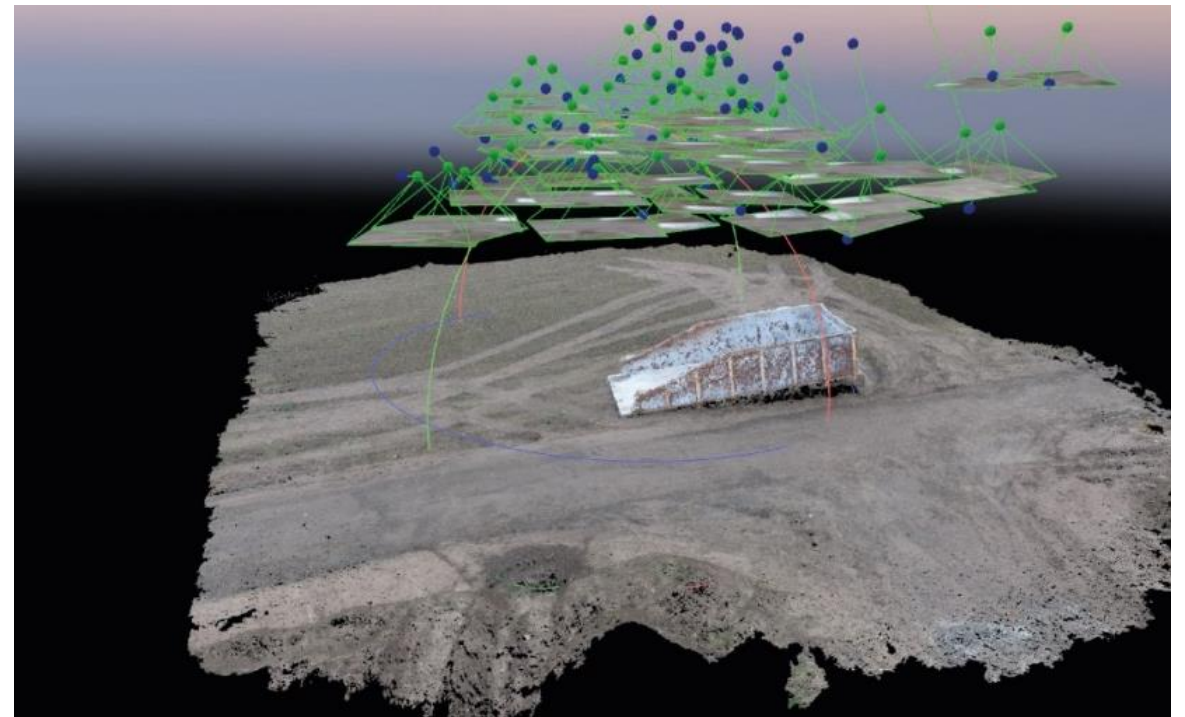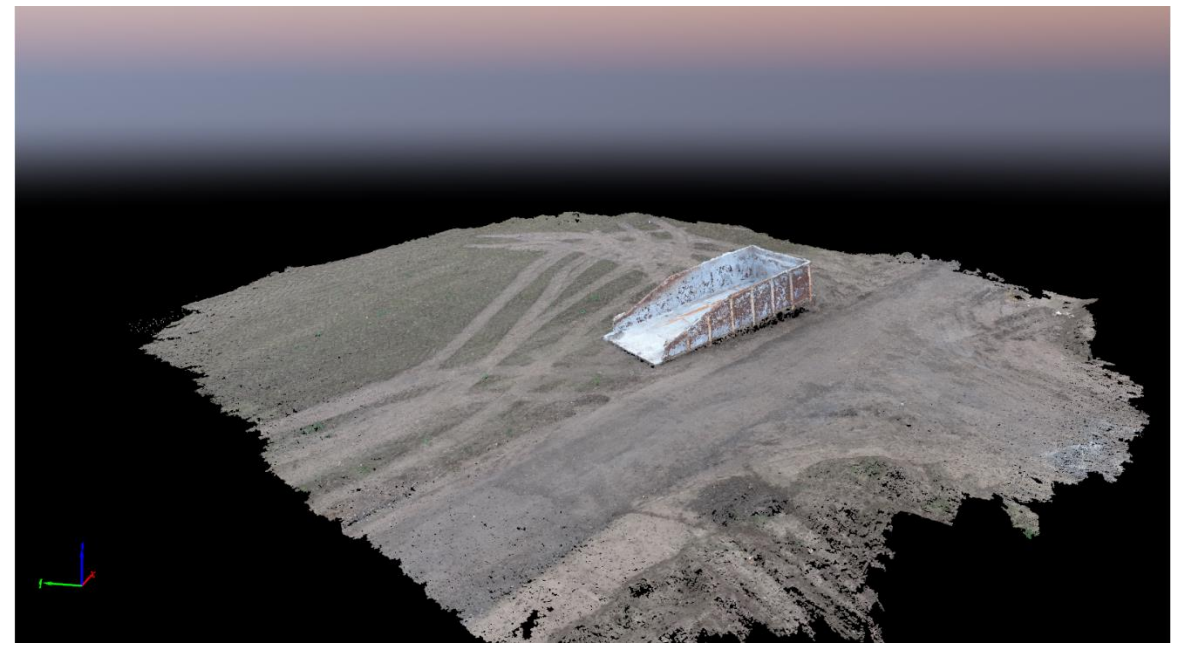
Hazardous areas are identified via live video stream.

Identified mines or crates are marked on a digital map.

A 3D map is then created using the autonomous mapping functionalities.

Mine Kafon Multi-Sensor

☑ Research and exploration

☑ Rope Robot and Delta Robot
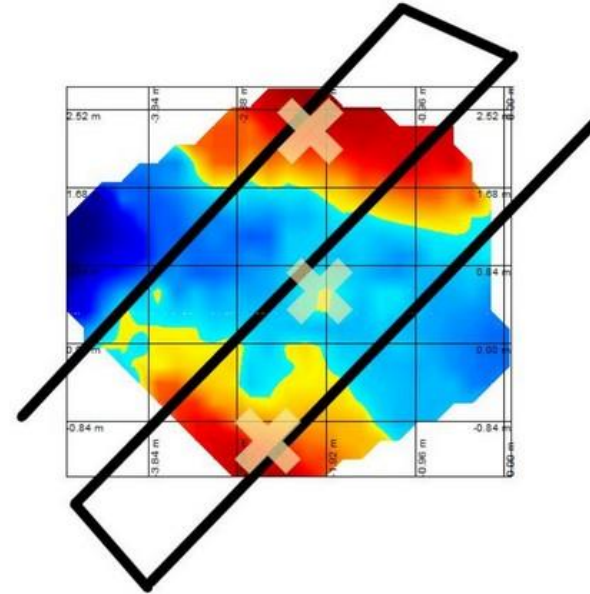
☑ Multifunctional

How it works

Mine Kafon offers a range of mine detecting sensors that can accurately detect any landmines, UXOs and IEDs. The sensors are adapted to fit onto the Manta, and any data retrieved from the sensors will be sent to the Ground Station for further analysis.
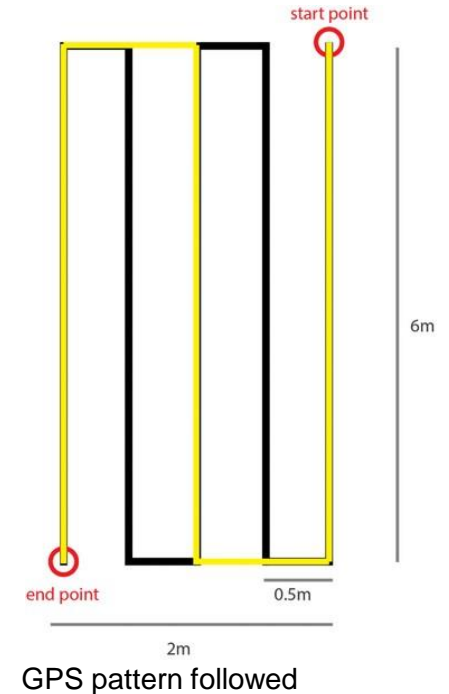
Mine Kafon Detection

Snapshot of Mine Kafon sensor data on a real-time map

Mine Kafon sensor data on the pattern followed

How it works

A pattern is made using Mine Kafon software, which places GPS coordinates on a map. This allows the drone to follow a pre-specified pattern to map and detect in a certain area. That area is then overlaid on the sensors outcomes, to optimise the accuracy of the results obtained.

start point

6m

end point   0.5m

2m

GPS pattern followed
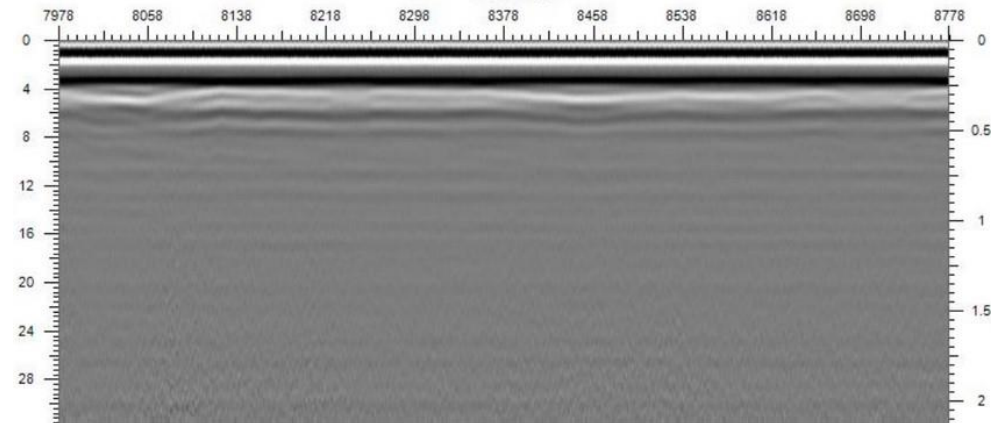
Mine Kafon Detection

Snapshot of Mine Kafon sensor data on a real-time map

How it works

Mine Kafon's in-house software and sensors can combine the data given by sensors onto a real time map, allowing the operator to see where any explosives might be lying. Other data can be interpreted individually based on the sensor's GPS location, allowing for more accurate readings.
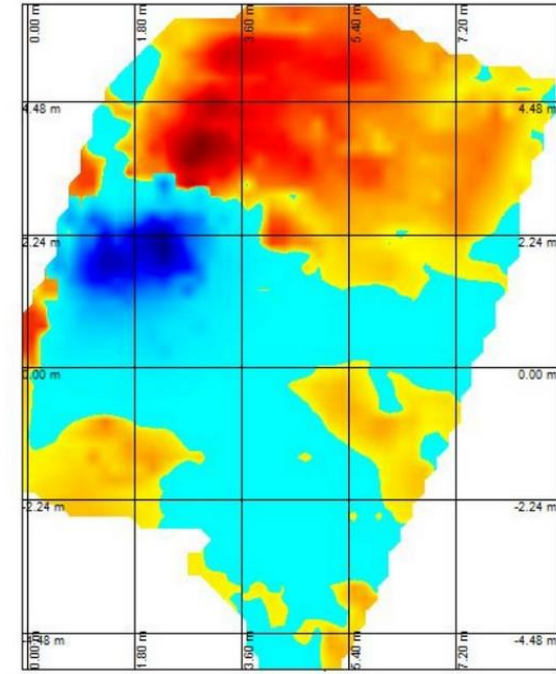
Snapshot of the Mine Kafon-Sensor 2

Snapshot of the Mine Kafon-Sensor 1