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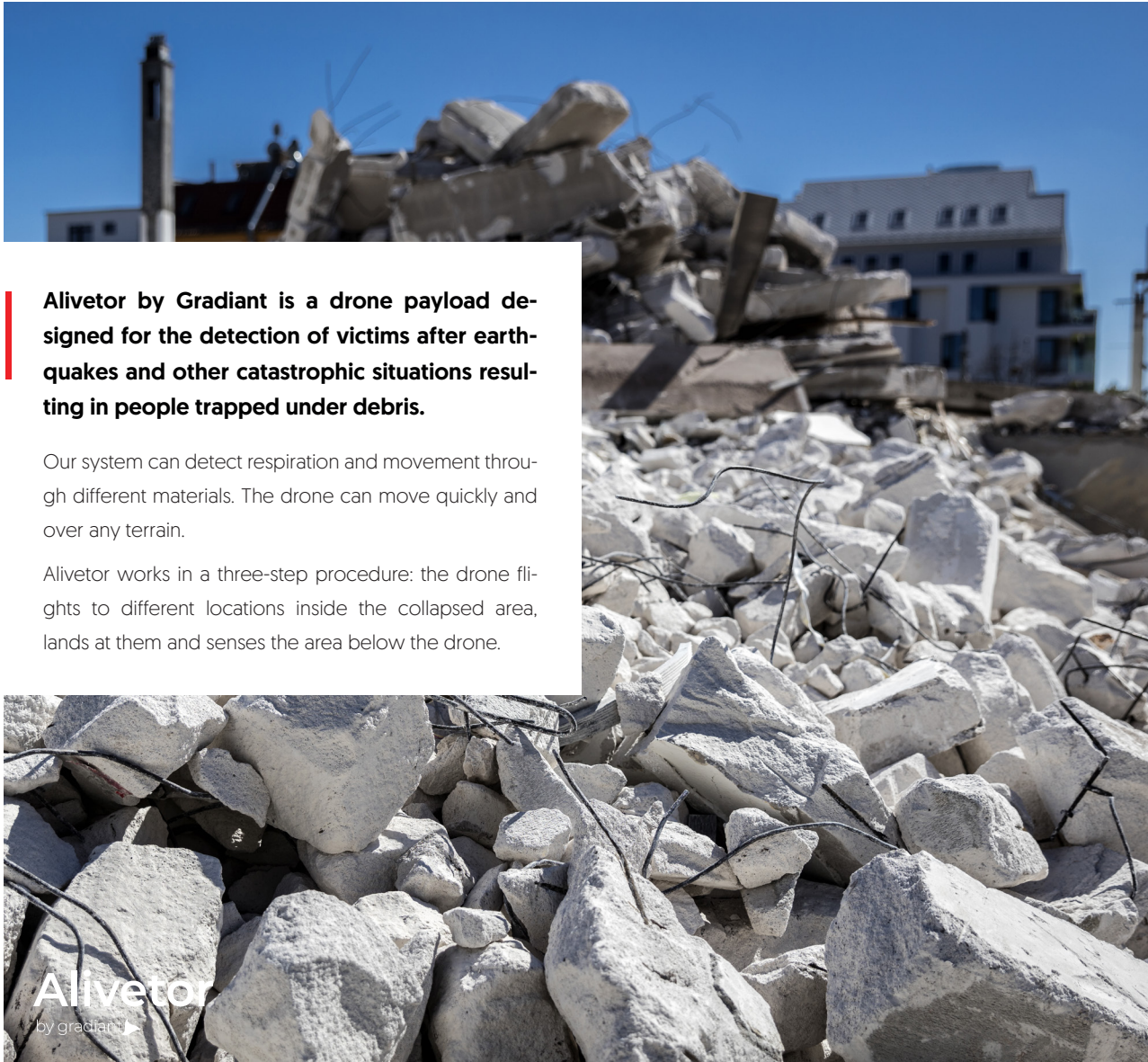


# Alivator

by gradient

Technology for saving lives





**Alivector by Gradiant is a drone payload designed for the detection of victims after earthquakes and other catastrophic situations resulting in people trapped under debris.**

Our system can detect respiration and movement through different materials. The drone can move quickly and over any terrain.

Alivector works in a three-step procedure: the drone flights to different locations inside the collapsed area, lands at them and senses the area below the drone.

Alivector  
by gradiant

## Designed for alive victims detection

Alivector is a new tool for first responders that allows them to find survivors in a quick and reliable way.

Radiofrequency technology used in Alivector guarantees that only alive victims are detected (whether awake or unconscious). Our solution is a drone payload, meaning that broad areas can be covered in a short time.

### Alivector has two modules:

- ✓ The payload is a small and light module with low electric consumption, able to find victims covered by layers of rubble wider than 30 cm and several meters of air.
- ✓ The control unit is the module designed to consult the detection results and the locations where the drone has performed sensings.



**Alive victims detection**



**Drone payload**



**Search and  
rescue squads**