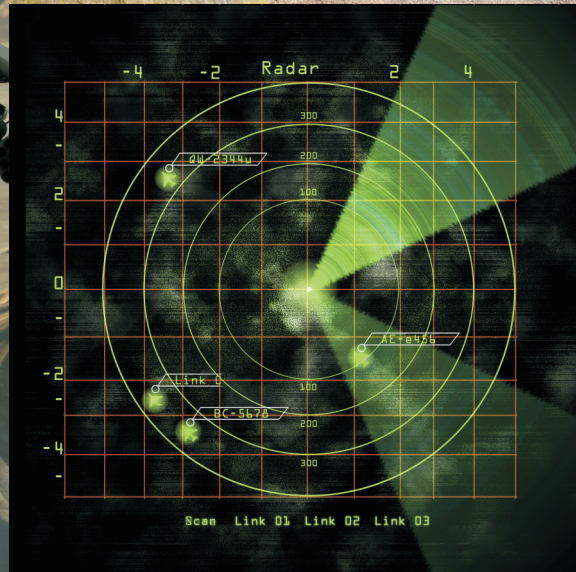


Passive Radar (Border/Perimeter Control)



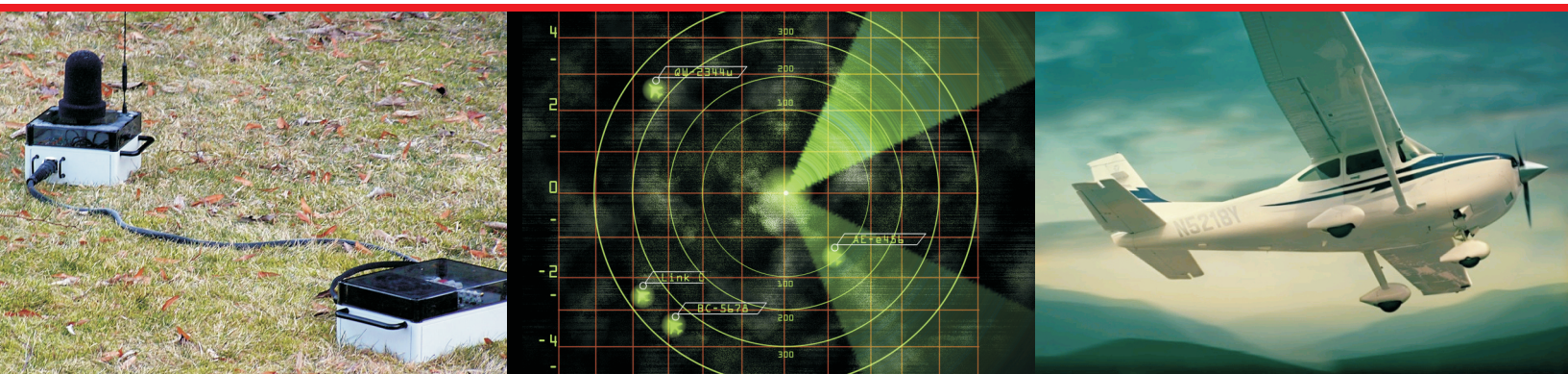
Application Leaflet

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Passive Radar (Border/Perimeter Control)

Microflown's **Border/Perimeter Control** application is a passive 'radar' system using acoustic signals to detect aerial and ground vehicles near borders. Multiple **Perimeter Control** systems can be installed along the border/area to be protected, having a spacing of around 10km. One or more AVS's (Acoustic Vector Sensors) can immediately detect a threat within a range of 10km and relay the information to the control and command centre. Within a few seconds the location of the threat is known and an estimated trajectory and time of arrival is generated.

Microflown's **Border/Perimeter Control** system is a new method for localising and tracking aircraft and ground vehicles, based on compact, three-dimensional sound probes. This is new technology based on acoustic vector sensors which has only recently become available from Microflown Technologies. With at least two of these sound probes, placed at a certain distance from each other, sound sources can be tracked along their trajectories. Using the acoustic signature of the source, the threat can be identified as an airplane, helicopter, ground vehicle or boat.



Application features

- ✓ Passive system (hard to detect)
- ✓ Can detect low flying aircraft where radar cannot
- ✓ More cost effective than traditional radar
- ✓ Small footprint
- ✓ Fast response time
- ✓ 360 field of view
- ✓ Threat identification, i.e. airplane, helicopter, ground vehicle or boat
- ✓ Can be combined with Microflown's gunshot and artillery localisation systems to create a fully complete situational awareness suite
- ✓ Minimal maintenance

