

# How Europe's drone wall could work

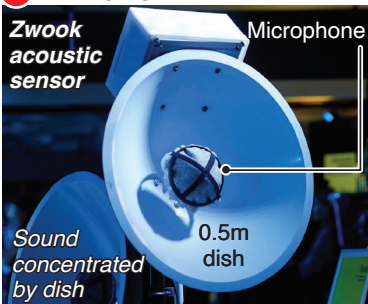
Repeated incursions by Russian drones have forced the EU to approve a "drone wall" – a Europe-wide, integrated, multi-layered system for detecting and intercepting cheap-to-build drones – just months after rejecting a budget for the proposal

## 1 INTELLIGENCE

Aerial surveillance of enemy movements and detection of targets including low-flying drones  
**AWACS E-3A** eye in the sky



## 2 DETECTION



**Acoustic sensors:** Ukraine's highly effective, low-cost **Zwook** and **SkyFortress** systems, range 5-15km  
**Passive radar:** Detects radio waves from drones, up to 20km  
**3D radar:** Can distinguish UAV from birds at 4km  
**Airborne radar:** Drone-mounted

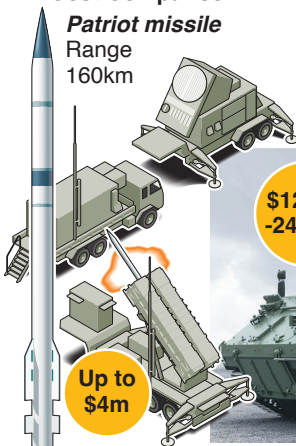
## 3 ELECTRONIC COUNTER-MEASURES



Electromagnetic disruption can disable all guidance systems – but ineffective against fibre-optic drones

## 4 INTERCEPTION

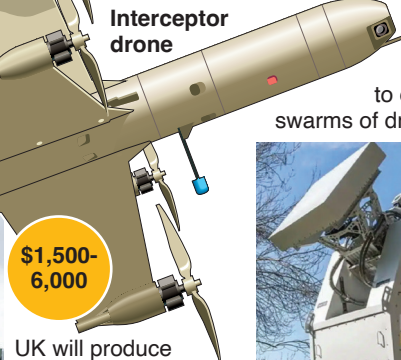
### Cost Comparison



**Anti-aircraft cannon**  
e.g. **Skyranger 30 ACSV** fires airburst rounds, saturating target area with submunitions

Range up to 4km

\$12,000 -24,000\*



UK will produce 2,000 per month for Ukraine under **Project OCTOPUS**

Standard munitions and interceptor drones likely to provide basis of interception "wall"

**Directed-energy weapon:** Uses microwaves to disable electronics in swarms of drones simultaneously



## DRONE WALL PROPOSAL

NATO members

Drone sightings Sep 10-27

Systems in each country must be interoperable

