

# AGIL<sup>®</sup> COUNTER DRONE

Keeping Our Skies Safe



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## PRODUCT & SOLUTION SUITE

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# 80%

of drone related hostility incidences identified during recent global conflicts were undertaken by commercially available, off-the-shelf, small and micro drones.

With the rapid proliferation of drones for both civilian and military purposes, countering aerial threats has become more critical than ever before.

Tackling the challenges of drone defence poses several significant obstacles and considerations – the need for a robust and agile counter-drone system to precisely detect and take down diverse drones and handle swarm attacks.

## 4D OPERATIONAL CONCEPT

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With over a decade of operational counter-drone experience, we've developed robust concepts and products to secure airspace at critical sites and national events.

### DETECT

AI-powered sensors identify threats in real time

### DECIDE

Command centre with operators analysing data

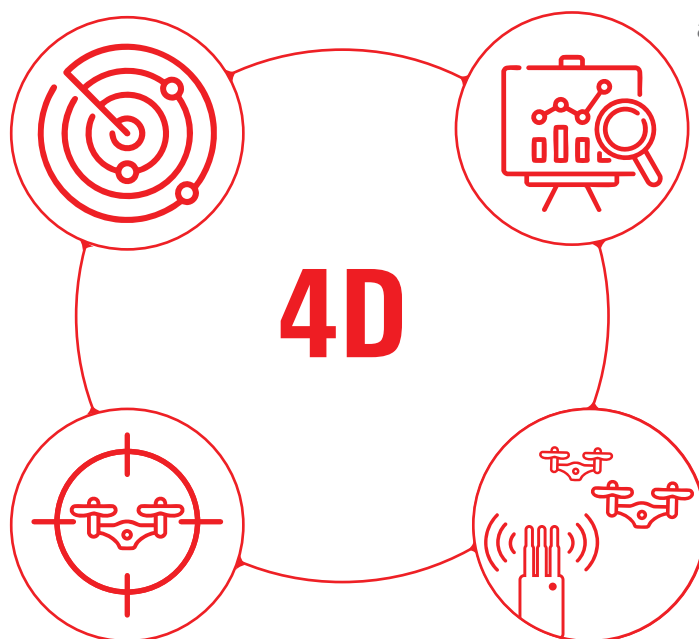
**4D**

### DESTROY

Hard Kill –  
Drone takedown

### DISRUPT

Soft Kill –  
Jamming Signals





KEY APPLICATION



Para-Military  
and Defence



Public Safety  
and Security



Airports and  
Seaports



Border Security  
and Control

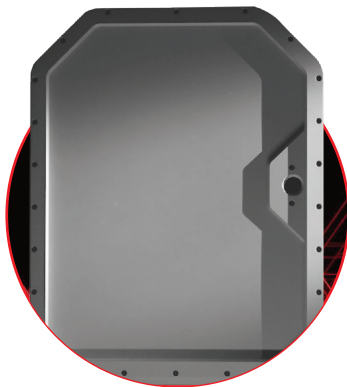


Ad Hoc Events/Meetings,  
Incentives, Conferences,  
and Exhibitions



Critical  
Infrastructure

PRODUCT SUITE



DRONE  
DETECTION  
RADAR



RADIO  
FREQUENCY  
SENSORS



ELECTRO-OPTIC  
INFRARED



RADIO FREQUENCY  
EFFECTOR



LASER EFFECTOR

## CHALLENGES

### Trends in Warfare

Wide usage of spy, weaponised UAS and munition loitering drones seen in recent conflicts

### Emerging Threats

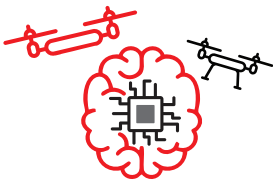
Increasing incursion of unidentified drones involving smuggling, spying and terrorism

### Rapid Advancements

Rapidly changing threat environment and technological advancements exacerbates challenges

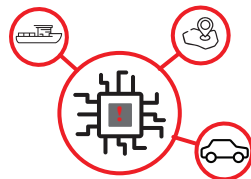
## OUR SOLUTION

ST Engineering's patented AI/ML algorithm recognises drone-like waveforms and is able to detect known and unknown drones based on this signature.



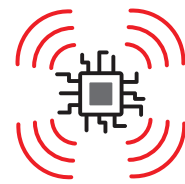
### Intelligent Detection

Patented AI/ML algorithm. Detects known and unknown drones - even in cluttered skies



### Real-Time Response

Instant intrusion alerts. Deployed on land, vehicles and vessels



### Scalable Coverage

Provides omni- and directional sensing and jamming with effective coverage of 300–1000m.

## DESIGNED FOR FLEXIBLE DEPLOYMENT

### Vehicle and Mobile Protection



**VEHICLE MOUNTED SOLUTIONS**

### Key Installation Protection



**STATIC MOUNTED SCALABLE SUITE**



**VESSEL WORTHY SOLUTIONS**

### Vessel Protection





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DOP 0501



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