

AGIL[®] COUNTER DRONE

Keeping Our Skies Safe



AGIL[®] COUNTER DRONE

PRODUCT & SOLUTION SUITE

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

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

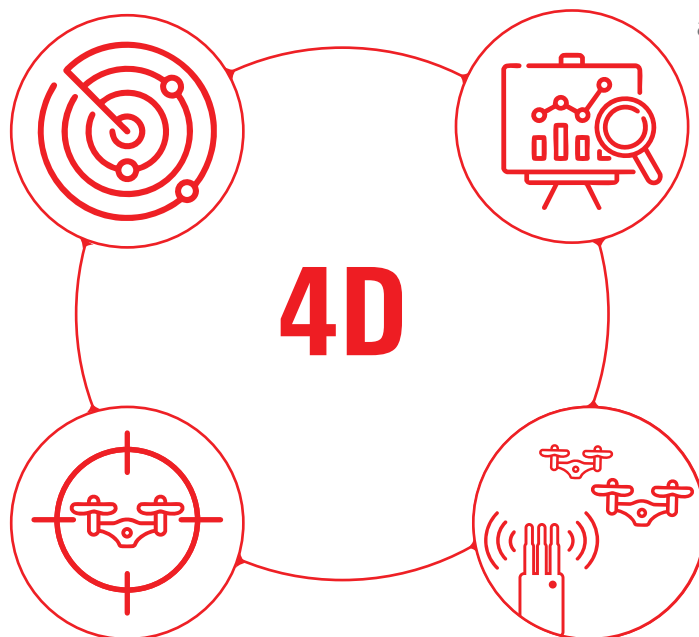
4D

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

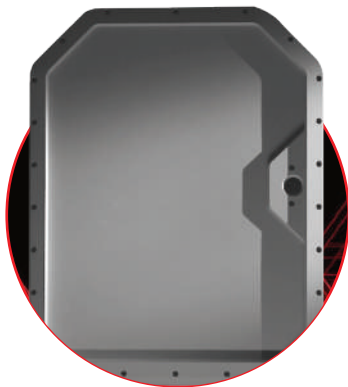


Ad Hoc Events/Meetings,
Incentives, Conferences,
and Exhibitions



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

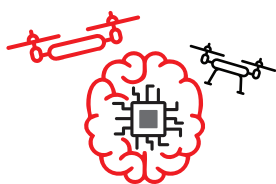
Increasing incursion of unidentified drones involving smuggling, spying and terrorism

Rapid Advancements

Rapidly changing threat environment and technological advancements exacerbates challenges

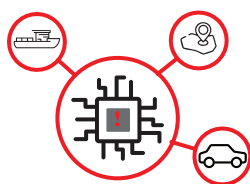
OUR SOLUTION

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



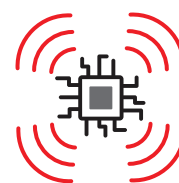
Intelligent Detection

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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