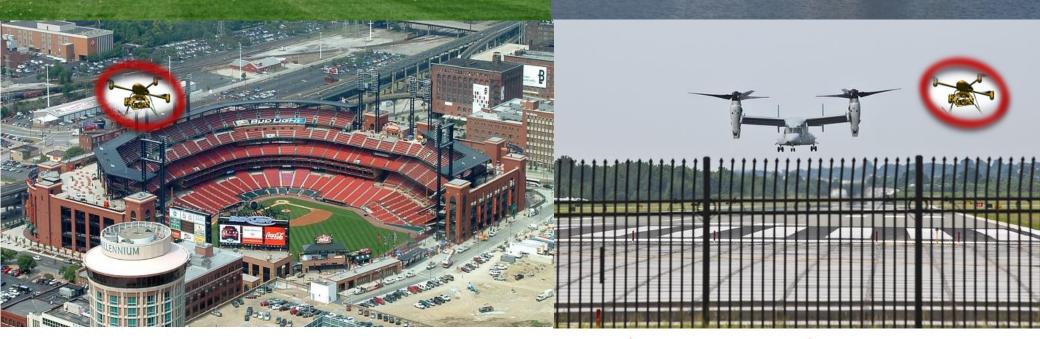
#### **Aerial Perimeter Compromised**



Next Gen Anti Drone system with 3D Micro-Radar

1

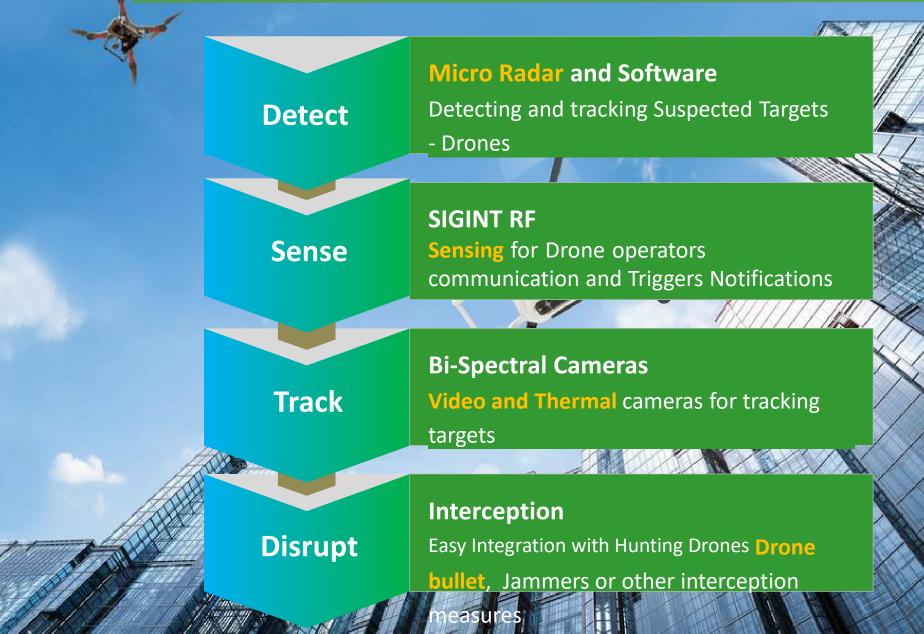
## **OUR SOLUTION**

## **ARS400 Micro Radar**

3D 360° micro radar is based on an issued patent of the Israel Technion.

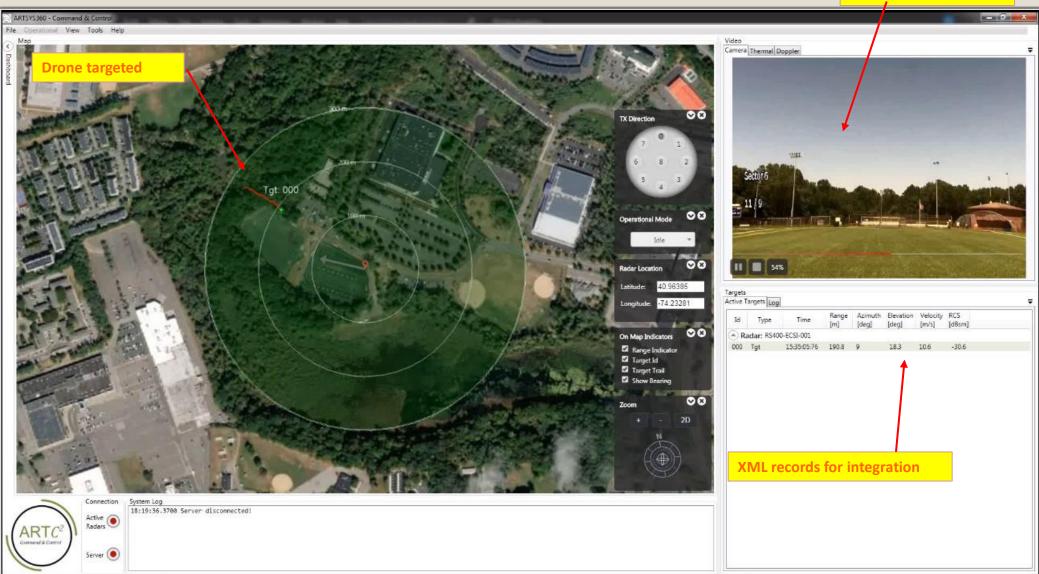
- <u>Best Cost-Effective</u> Radar solution
- 600m range detection of Drones Inspire (0.1m<sup>2</sup>)
- 400m range detection of Drones Phantom (0.01m<sup>2</sup>)
- 600m range detection of Humans
- 900m range detection of Vehicles
- full 3D <u>hemispheric</u> coverage:
  - gninnacs lactirev 990
  - 9360horizontal scanning
- ycarucca latnoziroh º1.5
- ycarucca lactirev <sup>o</sup>1.5
- Lightweight
- Low power consumption
- Solid State No moving parts
- Approved for Urban usage
  - Low radiated power <u>compliant with FCC human safety regulations</u>
- Easily integrates to Command and Control systems

## **Drone Solution**



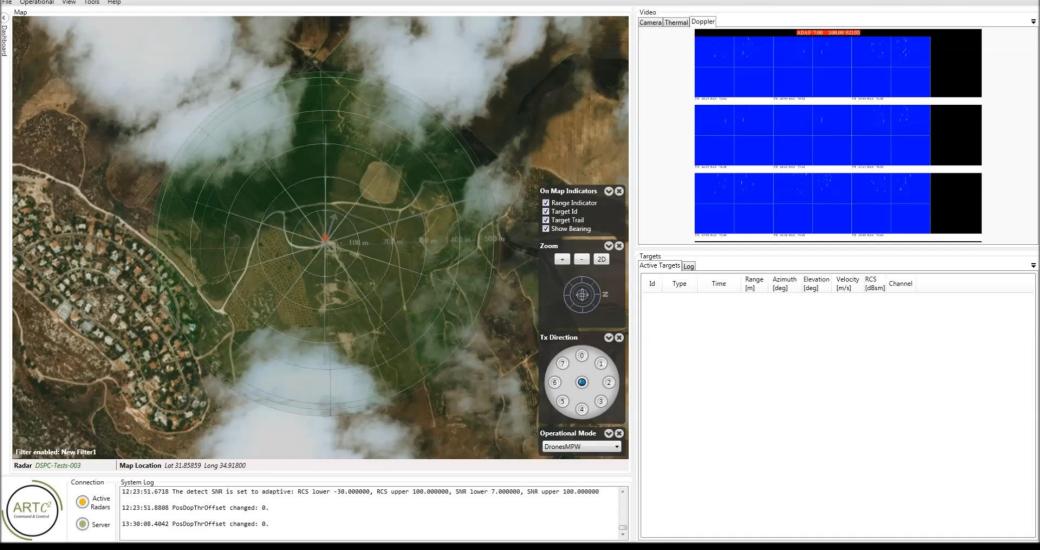
#### Command and control software package

Camera monitoring



## **Radar Detection and tracking**

ARTSYS360 - Command & Control ile Operational View Tools Help



- 0

# **Thermal Video Motion Detection**



#### Competitive Advantage

ADVANCED RADAR TECHNOLOGIES

Radars are the leading solutions for detection of drones at various distances, multiple directions and operate in all weather conditions.

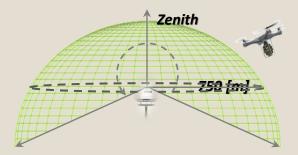
**Basic Requirements:** 

- Low Power consumption
- Wide Coverage in Urban/Rural Areas
- High resolution
  Detection
- At the right COST!



#### **Competitive advantage**

Competition	ARS400
High Power	Low power – approved for Urban usage
90° horizontal coverage	360° coverage no moving parts
30° -60° elevation coverage	Full dome coverage
Heavy cumbersome	Light, fast deployment
Single type targets	Detects Drones, people, and Vehicles
	Grid Solution



# OUR RECENT PORTFOLIO

### **Rishon Le-Zion Ranch**

- Complete system was installed on May 1<sup>st</sup> 2019.
- The system is remotely controlled and tracked from our office.
- The system serves for internal tests platform for carrying experiments and evaluations.
- Until now no hardware issues were observed (over heating etc.).



#### **New-Jersey**

- System was sold to ECSI.
- Installed on February 2019.
- ECSI personnel were trained to conduct future demos.
- The system has been working for days outdoor under heavy snow and rain and during hot summer days.
- Again no hardware related issues were observed!

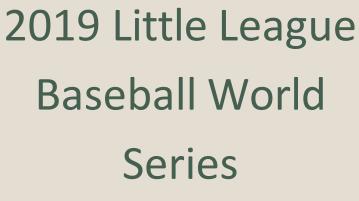
#### 2019 Little League Baseball World Series

ADVANCED RADAR TECHNOLOGIES

- Live Events
  - System Deployed in Wayne N.J. Football Field.
  - The system was positioned on top of a cellular mast.

Our system is part of the counter drones solution in the 2019 Little League Baseball World Series August 15-25!





- Deployed 100 [m] away from the Howard J.
   Lamade Stadium, Pennsylvania.
- 10 Days 24/7 operation!





- Best cost effective solution in market
- Leading development team of Algo & RF Experts
- Solid state Radar 3D patent protected (360°)
- Designed for both Urban & Rural Areas