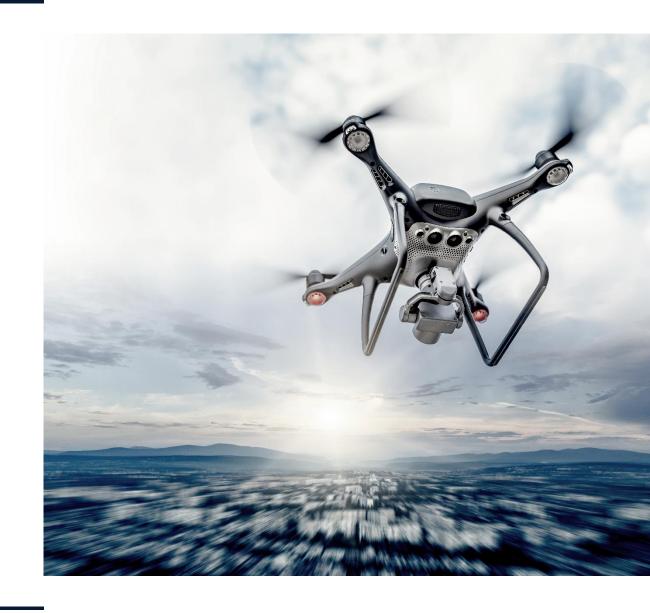


# Agenda

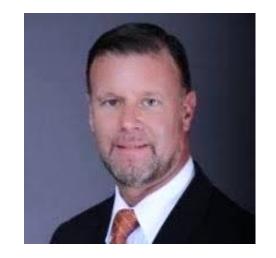
- D-Fend Solutions About Us
- Environment and Threat
- Challenges & Considerations
  - Differentiating Different Drone Threats
- Traditional C-UAS Technologies
- Capabilities for Controlled and Safe C-UAS Solutions for Continuity
- Flexible / Adaptable Deployments
- Foreseeing the Drone Future;Staying a Drone Threat Ahead
- Counter-Drown Concepts for Continuity





#### SESSION SPEAKER: TERRY DIVITTORIO

- D-Fend Solutions, GM, North America
- 20+ years Technical, Operational, Managerial, Security, Cyber Industry Experience
  - WestBridge, VariQ, KCG, CSC, Foreground, Copper River, PPC, Booz Allen
- 15+ years US Air Force Career NCO
- Education:
  - MBA, Telecom Mgmt., Alaska Pacific
  - BS, Computer Science, Wayland Baptist
  - AAS, Information Technology, Air Force Comm. College





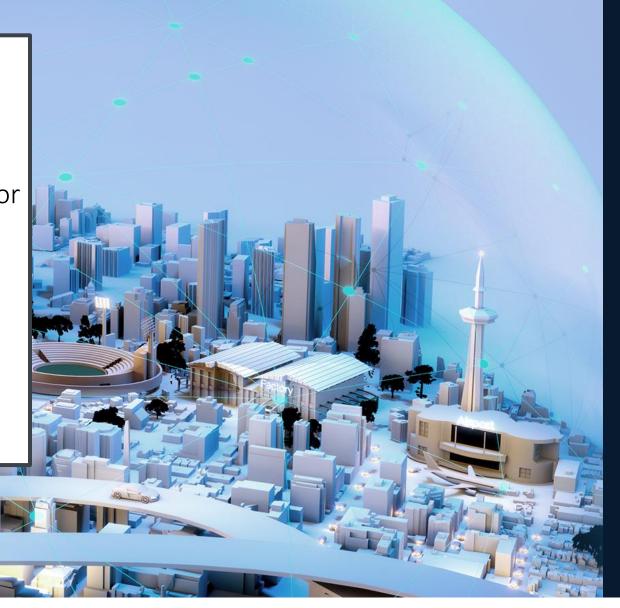


#### **ABOUT US:**

Leading global provider of counter-drone solutions for complex, sensitive and challenging environments.

#### OUR MISSION:

Provide comprehensive, safe, and scalable solutions for securing sensitive and important assets, critical infrastructures, defense forces and people from the ever-growing threat of rogue drones.



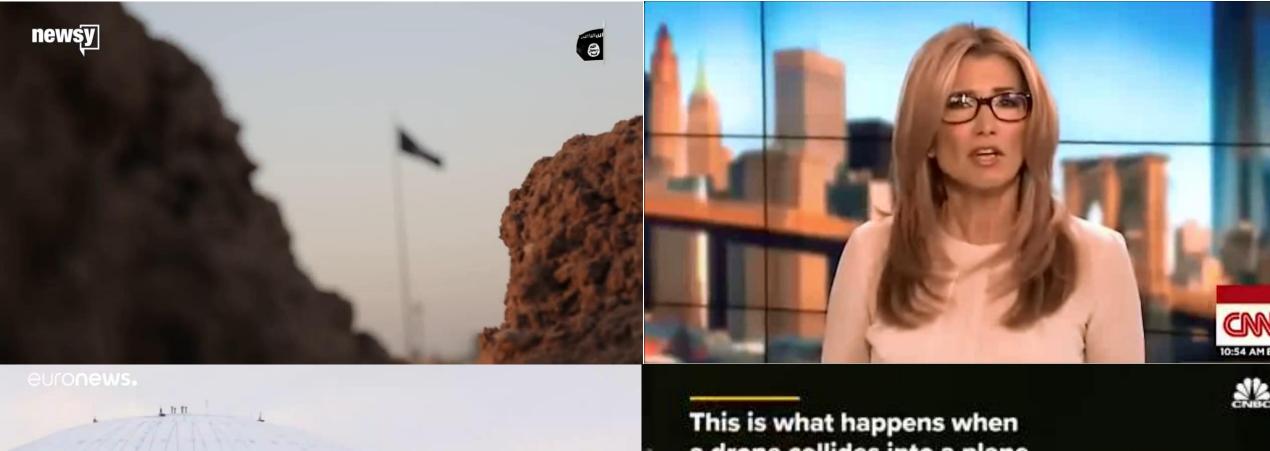


## **VERTICALS**



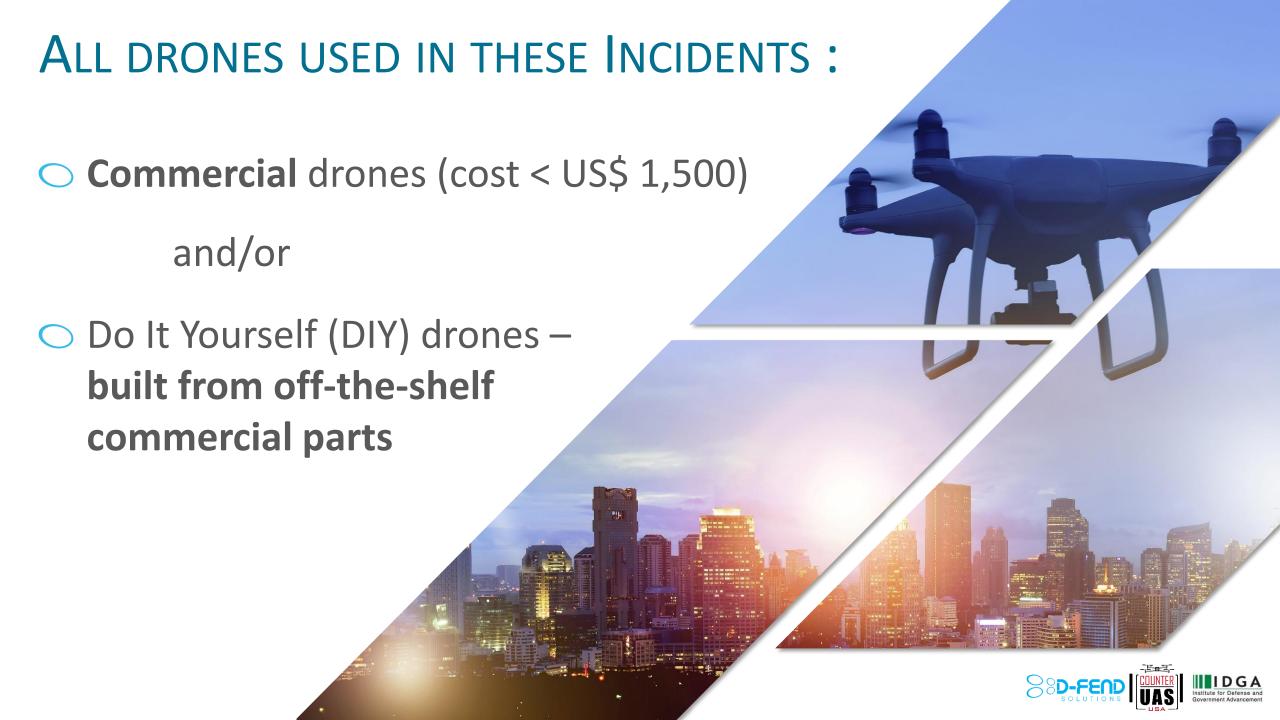












## ADDRESSING ALL MAJOR THREATS







### ENFORCEAIR THREAT FOCUS



#### **Major Threats:**

Payload: 3- 12 Kg Distance: 4-20 Km

Lightbridge, Ocusync, **Protocols:** 

**DIY433/915 MHz, eWi-Fi** 

Threat type: Terror& crime,

intelligence gathering





**Minor Threats:** 

<0.5 kg Payload:

2ND PRIORITY Distance: <0.3 Km

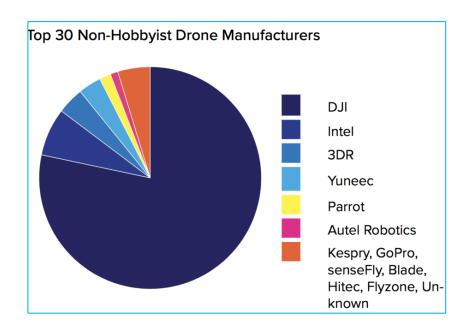
Protocols: Wi-Fi

**Reckless users** Threat type:



### HIGH SECURITY LEVEL

- HEDs > 80% market
- WIFI & DIY Drones
- Must protect against new drones and new radio modules







### TRADITIONAL COUNTER-DRONE TECHNOLOGIES

**Detection** 



DF





Flying Objects
False Positives



No Clear Line-of-Sight



Mitigation





**Signals Disruption** 



Collateral Damage





**Rural** Environments

**Sensitive** Environments





## COUNTER-DRONE SOLUTIONS FOR SENSITIVE ENVIRONMENTS

Detection







DF



Remote Control <-> Drone Communications



Disconnect, Take Over and Control, Safe Route, Safe Landing

Mitigation

















### ENFORCEAIR™ BY D-FEND

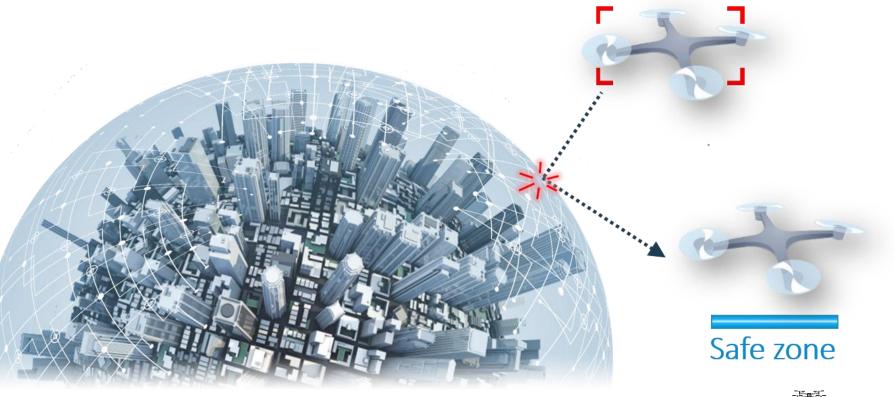
An autonomous counter-drone system which detects & takes control over rogue commercial drones and lands them safely in a designated zone

# Designed for **Urban Environments**





No line of sight





## ENFORCEAIR™ BY D-FEND





### OPERATIONAL FLEXIBILITY

Easily customize the EnforceAir to meet your changing operational needs



# MIL STD (810F) FORM FACTOR



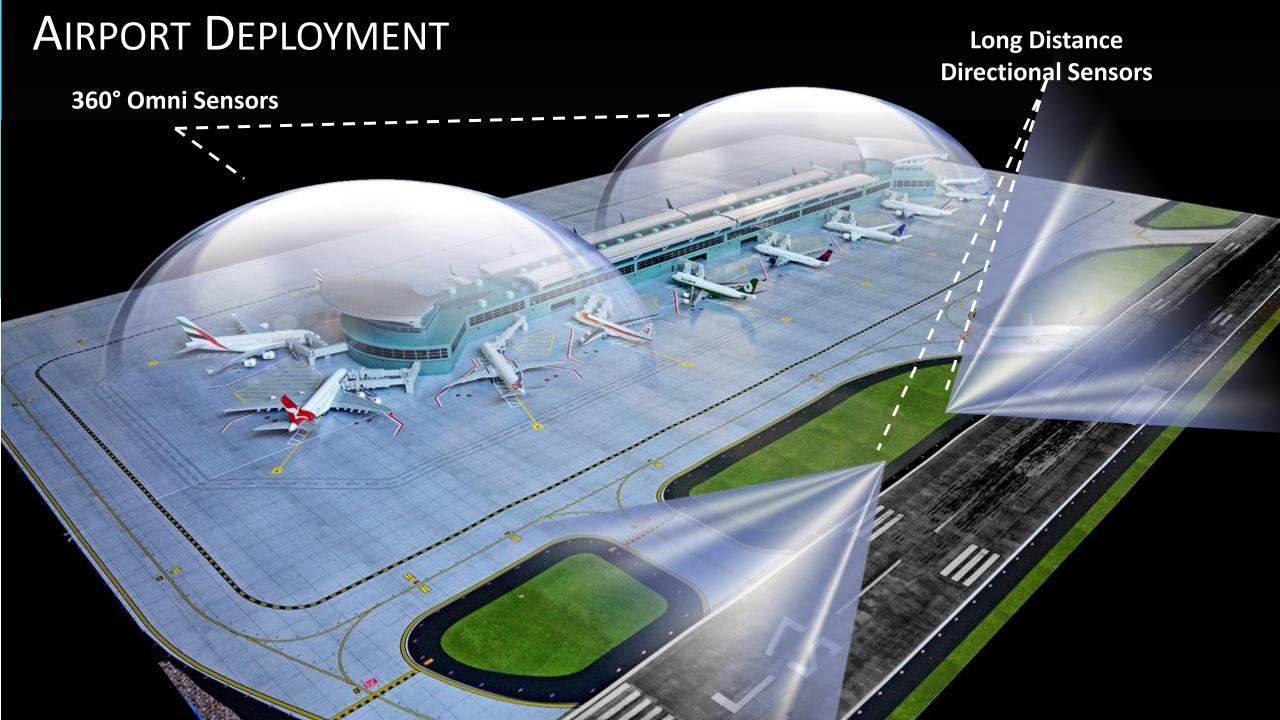
## TACTICAL DEPLOYMENT - MIL



# STATIONARY DEPLOYMENTS









# Summary: D-Fend Solutions' Core Concepts



#### **CONTROL**

The best way to **control** the drone threat and ensure **continuity** is to **take control of the drone** itself



#### **SAFETY**

A **safe landing** or fending off of the rogue drone is the best possible outcome for **safe airspace and continuity** 



#### **FOCUS**

Counter-drone measures must **focus on the real risk, the most dangerous drones,** and employ drone risk analysis, assessment, and prioritization



#### **FUTURE**

The constantly changing and increasingly complex drone threat requires foreseeing the drone future and **always staying a drone threat ahead**.



# Thank You!









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