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Perimeter Security Re-Imagined:

How Security Drones Will Impact your UAS Program

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American Fuel & Petrochemical Manufacturers

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Today's Speakers

Katie Ricks

Director – Emergency Services & Security Technology

Dow Chemical

Pernell Robinson

Chief UAS Pilot

Dow Chemical

Ron Petrie

Senior Manager

NextGen Security

Michael Lichko

VP

Asylon Inc.

Radar Systems
Smart Fencing
Operational Sensors
Access Control
CCTV Analytics
Gate Systems
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Wide Area Surveillance

- Aerial Radar
- Ground Radar
- Thermal Analytics
- Shot Detection

Facility Alarms

- Building Fire Alarm
- Bulk Container Release
- Shelter in Place Alarm
- Parking Lot Call Station

Perimeter Intrusion Detection

- Fence Detection Sys
- Microwave

Situational Awareness

- Shut Downs
- Parking Lot Awareness

Benefits of Autonomous Drone Technology

- The ability to have a “Bird’s Eye” overview of the situation quickly
  - The key to success in event response is to get decision makers as much information about an event as quickly as possible. Drone technology is a tool that provides the SOC operators a holistic perspective, they rarely get the chance to have with other methodologies.
- Less infrastructure required
  - Less perimeter cameras = Less O&M Costs
- Drone-as-a-Service ensures you always have the most up to date surveillance tool

Evaluation Considerations for Technologies

- Credentials?
  - What are the origins of the technology? Military, University, Other Sector?
  - Where are they located? (NDAA)
  - Is the manufacturer financially stable?
- How does the technology mitigate the threat?
  - Does it complement your existing technology?
  - Will it add capabilities? Range, hard to reach areas, shorter response times?
- What does the manufacturer offer that is different from the competition?
  - Technical Capabilities: Uptime versus Downtime? Ease of Integration?
  - Support: How is the system maintained? What is the deployment plan? FAA plan?
  - Expertise: Do they understand security needs?

PERIMETER ALERT

FAA Compliance

Autonomous sUAS systems already address most of the the FAA's safety concerns.

Part 107 Commercial Use Rules

- Daylight Operations
- Maintain Visual Line-of-Sight
- People and Vehicle Restrictions
- Controlled Airspace Restrictions
- Pilot In Command Certification

- Long-Range Nighttime Strobe Lights
- Programmable Geo-Fencing
- ASTM Certified Parachute Recovery Systems
- Multiple Layers of Airspace Deconfliction
- Remote PIC Operations

Fleet Management

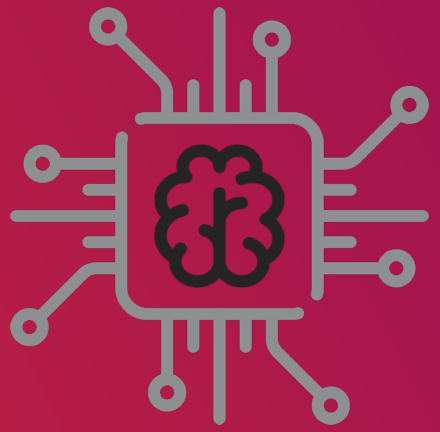
DroneCore is delivered through a yearly service contract, customers don't buy or maintain anything.

Everything You Need For a Successful Deployment

- Pre-Sales Engineering
- On-site Design Assessments
- Deployment and Programming
- 3rd Party Integration
- Regulatory Compliance
- Comprehensive Insurance
- Scheduled and Unscheduled Maintenance
- Training and System Certification
- Hardware and Software Upgrades

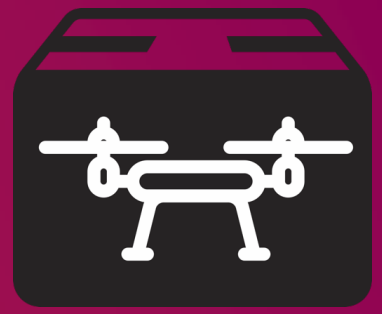
DRONESENTRY

A rugged military grade unmanned aerial vehicle that is connected to the **DRONEHOME** station. **DRONESENTRY** can autonomously fly preprogrammed missions, respond to exterior IOT device triggers & provide real-time streaming to multiple users.



DRONEIQ

An open architecture advanced intelligent software platform that enables **DRONESENTRY** & **DRONEHOME** to provide coordinated autonomous missions. It is a cloud-based machine learning A.I. that ingests data from individual drones, teams of drones & external IOT devices. **DRONEIQ** is the universal Command, Control & Communication software that processes drone payload & telemetry data.



DRONEHOME

A rugged military grade tactical base station that autonomously manages **DRONESENTRY'S** battery, payload, & data. It protects **DRONESENTRY** from the elements as well as houses multiple hot swap battery & payload packages.

Asylon Placeholder – Demo Video

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Questions?

Katie Ricks
Krricks@dow.com
Dow Chemical

Pernell Robinson
Probinson1@dow.com
Dow Chemical

Ron Petrie
Ron.petrie@nextgensecured.com
NextGen Security

Michael Lichko
Mlichko@flyasylon.com
Asylon Inc.