

# OH/IN UAS Center

- **The OH/IN UAS Center is a joint venture between the states of Ohio and Indiana established in 2013 by Governors John Kasich and Mike Pence**
- **Overall mission of the UAS Center is to provide: Create, Collaborate, and Fly**
  - ❑ **Catalyst for UAS Commercialization – Create**
  - ❑ **Universities and Colleges, small business, service provider – Collaborate**
  - ❑ **Direct support to State & Federal Partners for UAS Research, Development, Test & Evaluation (RDT&E) and Operations – Fly**
- **These activities will enhance economic development and place Ohio in a leadership role as FAA prepares to integrate UAS in to the National Airspace System**



# Opening Airspace

- **15 Active COAs**
- **30 COAs in work supporting State of Ohio Agencies, Universities, Municipalities and businesses**
- **Section 333 Exemption FAA approved– 7 platforms**



# UASC Supported Flight Ops

- OSU – Precision Ag Flight Operations 150 Flights
- Ohio NG – Aerostat deployment in support of Vibrant Response at Camp Ravenna Joint Military Tanning Center
- Cleveland Metropark – Environmental Assessment Flight
- WPAFB – Marathon support
- Clark State CC – Precision Ag Student Training
- University of Cincinnati – RDT&E at Wilmington Air Park and Fire Research in WV
- ODOT – Bridge and ebee Training
- WSRI – Wilmington Airpark



# Precision Agriculture



## Early Capabilities

- Crop Assessment
- Blight detection
- Track invasive insect species
- Precision Insecticide control
- Precision fertilization
- Moisture detection
- Harvest-ready detection
- Yield Estimates
- Insurance Evidence

## Early Collaborations

- ODA
- AFRL
- OSU
- Sinclair CC
- Southern CC
- Clark State CC
- Multiple Industry Partners

COAs in process/operation – 6



# First Responder/Fire/Police



## Early Capabilities

- Document Crime Scene/Disaster Area
- Establish Event Situational Awareness
- Document Accident
- Monitor traffic flow/alternative routes
- Restore Communications
- Detect and locate CBRN hazards
- Track active shooter
- Locate & monitor Illegal drug production
- Event Situational Awareness
- Public address

## Early Collaborators

- Ohio Fire Chief
- ODPS
- Ohio EMA
- UDRI
- Muscatatuck
- U of Cincinnati
- Montgomery County
- U. of Toledo
- Sinclair CC
- WSRI

COAs/Waivers in Progress - 6



# Resource Survey Opportunity



## Early Capabilities

- Inspect infrastructure
- Survey construction projects
- Monitor tree harvest/poaching
- Monitor drilling sites compliance
- Excavation monitoring
- Project monitoring & assessment
- Assess water quality & effluence
- Track invasive species
- Inspect amusement park rides
- Property Survey and monitoring

## Early Collaborations

- ODOT
- ODNR
- ODA
- Woolpert
- Merrill
- Cleveland Metro Parks
- Survey & Mapping Inc.

COAs in Progress – 8



# Commercial Outlook

- **333 Exemptions – 70 statewide**
- **Aerial Data Collection -**
- **Aerial Photography/Film/Surveying – exemptions**
- **Bridge Inspection –**
- **Construction Inspection -**
- **Education and Training -**
- **Precision AG –**
- **Precision Aerial Surveying -**
- **Public Safety -**

