Unmanned Payload Challenge
Asylon

Project Summary

- Asylon is focused on automated UAS infrastructure to reduce steep learning curves associated with UAS and to automate back-end processes.
- Asylon currently offers a commercial UAS in the drone market that can be modified and rebuilt to meet the design criteria of the Unmanned Payload Challenge

Asylon Custom UAS for Unmanned Payload Challenge

DJI Inspire 1 During Battery Swap on DroneHome System

Participant Summary

- Asylon founded in 2015, offers commercial products to drone industry
- Asylon founding team – 3 MIT aerospace engineers
- Background in aerospace for commercial and military customers
  - GE Aviation – Jet Engine Assembly
  - Boeing Defense – Small UAS Design and Testing, ISR aircraft
  - JHU Applied Physics Lab – Missile Defense and Simulation

Technical Outcome

- Design, Build, and Validation of a UAS platform that can meet the payload criteria of the challenge to meet needs of public safety operators
- UAS can leverage existing Asylon commercial products to extend mission life and coverage.
- **<u>Competitive Advantage:</u>**
  - **UAS will have a significantly reduced learning curve on operations by leverage existing Asylon commercial products**
  - **UAS will have the ability to fly extended 24/7 missions**