The Mid-Atlantic Aviation Partnership (MAAP)

The Virginia/New Jersey/Maryland UAS Test Site
The FAA Modernization and Reform Act of 2012 required the FAA to establish a program to integrate UAS into the NAS at six Test Ranges.

Awards were announced Dec 30, 2013 to:

- University of Alaska
- State of Nevada
- Griffiss International Airport (Rome, NY)
- North Dakota Department of Commerce
- Texas A&M University—Corpus Christi
- Virginia Polytechnic Institute and State University (Virginia Tech)
Our Team

- Awarded the FAA UAS Test Site OTA through Virginia Tech
- Led by Virginia Tech, Rutgers and University of Maryland
- Includes Academia, Government, Industry, Economic Development Agencies and Non-Profit Organizations
- Specific Team strengths:
  - Three top 50 research universities
  - Companies w/ experience in UAS development, manufacture, operation and testing
  - Existing relationships to federal UAS R&D centers
    - William J. Hughes FAA Technical Center
    - NASA Langley
    - NASA Wallops
    - NAVAIR Patuxent River
    - NSWC Dahlgren
  - International airport with 10,000’ runway
  - Flexible and diverse airspace
UAS Test Site/MAAP Organization

- FAA
  - MAAP Members
    - Board of Directors
      - Executive Director
        - Associate Director (NJ)
        - Associate Director (VT)
        - Associate Director (MD)

- Rutgers
- Virginia Tech
- Univ. of MD

- NJ Team Members
- VA Team Members
- MD Team Members

UAS TEST SITE

MAAP

Working Groups
The **safe and efficient** integration of Unmanned Aircraft Systems (UAS) into our National Airspace System
• Early flight testing to occur in areas and with flight plans designed to manage risk.
• With demonstrated performance, testing will gradually increase in complexity.
• Long-term airspace analysis is in progress.
Airspace – Virginia
• Federal agencies
• University and other researchers
• Sensor/payload providers*
• UAS manufacturers*
• Operators/users*

*Market dependent on pathway to certification
Challenges

• Stiff competition

• Complex competition/collaboration environment

• Business case
  – Short term—customers?
  – Long term—sustainable funding model
High Priority Activities

1. Hire a “rainmaker” ED
2. Fly early and often
3. Find our niche
4. Assemble core staff
5. Get the following in place
   – Standard Operating Procedures
   – Test Site COA
6. Procure required equipment
7. Market Aggressively
8. Ensure team members are seeing benefit
Questions?
MAAP Team

- **ACADEMIA**: Virginia Tech; Rutgers, the State University of New Jersey; National Institute of Aerospace; Liberty University; Old Dominion University; New Jersey Institute of Technology; Rowan University; The Richard Stockton College of NJ; Virginia State University

- **GOVERNMENT**: Commonwealth of Virginia, State of New Jersey, New Jersey Department of Transportation, New Jersey Economic Development Authority, South Jersey Transportation Authority, Virginia Small Aircraft Transportation System Lab (VSATS), Virginia Department of Aviation

- **INDUSTRY**: Aerosim Flight Academy; American Aerospace Advisors, Aurora Flight Sciences, B4Team, Engility, Enterprise Engineering Services, Hi-Tec Systems, KSI Video, NAVMAR Applied Science Corporation, OSI, Pentagon Performance, Sentinel Robotic Solutions, Sunhillo, UAV PRO

- **RESEARCH PARKS**: Stockton Aviation Research and Technology Park

➤ **Dozens of new partnerships in process**