

OUR MISSION

Huntsville UAS and Counter UAS Test Range's mission is to facilitate uncrewed aerial operations for military, first responders, and law enforcement training and exercises, private sector companies, and academic institutions, as well as to assist in the development of vital new technologies for uncrewed systems.

OUR INTENT

UAH will assist in identifying and integrating additional components required for UAS and C-UAS testing and assist with access, coordination, engineering, installation, interfacing with regulatory bodies, operation, integration, and evaluation services.

UAH aims to cultivate a deeply collaborative environment with technology developers from both Government and Industry sectors, with the goal of gaining new perspectives on promising dual-use UAS and C-UAS technologies.

UAH will provide scenario support according to each party's requirements, including cost and schedule. The venue will be provided with supporting infrastructure, and personnel (operations and technical staff).

HUNTSVILLE FAST FACTS

Huntsville is located in northern Alabama and is the largest city in the state.

The city is home to the U.S. Army's Redstone Arsenal, which is a major center for aviation, missile and defense technology research and development.

Huntsville is also known as the "Rocket City" because of its history with the U.S. space program and the presence of NASA's Marshall Space Flight Center.

The FAA licensed the Huntsville International Airport to operate as a commercial space reentry site.

"The FBI at Redstone is the FBI's technology infrastructure for the future."

The city is home to The University of Alabama in Huntsville, and major UAS and Counter UAS industry.



HUNTSVILLE UAS & C-UAS TEST RANGE



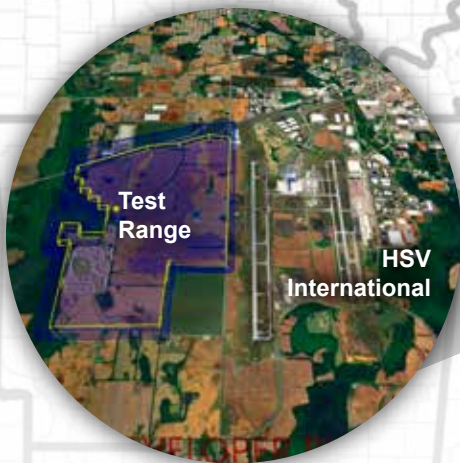
Tier 1 National Research University
1st in Alabama Universities for Math and Science
6th Nationally for Federally Financed Aeronautical and Aerospace Research
10th Nationally for Computer Science Research
11th Nationally for NASA Research
28th Nationally for DOD Research
James P. Cogswell Superior Rating for Security Excellence with Clearances at All Levels

RANGE TOURS | 1300-1500

Range tours are given each Thursday from 1300 to 1500

CONTACT TO REQUEST RANGE INFORMATION OR SCHEDULE

info@hsvtestrange.com
256.824.6807



The test range is directly adjacent to Huntsville's International Airport and only 12 miles from Redstone Arsenal.

OUR VISION

To become the premier center of excellence and testing facility that supports the security of America's critical infrastructure against drone incursions as well as positioning Huntsville, Alabama as a renowned hub for the testing of these essential technologies.



ABOUT THE TEST CENTER

In March of 2021, the FAA selected the Huntsville International Airport as one of the five host airports to evaluate technologies and systems that could detect and mitigate potential safety risks posed by unmanned aircraft. The effort is part of the agency's Airport Unmanned Aircraft Systems Detection and Mitigation Research Program.

In 2022, the Huntsville Madison County Airport Authority (HMCAA), supported by UAH, discussed UAS (Uncrewed Aerial System) and Counter UAS (C-UAS) testing with Congress. The primary focus was on the development of a UAS and C-UAS Center of Excellence (CoE) in Huntsville, Alabama on airport owned property. This CoE included a Critical Urban Operating Area (CUOA) for the purpose of assessing UAS and C-UAS detection, identification and mitigation technologies supporting DoD and DoJ local to Huntsville and supporting local emerging industry around Alabama and across the United States.

The Huntsville UAS and C-UAS Test Range addresses all aspects of solving and protecting the US, including policy development, regulations development, economics, analysis, workforce development, research, integration and testing of UAS and Counter UAS systems including Detection, Tracking and Identification and Mitigation (DTIM) Systems.

CONSTRAINTS

- 1 Controller per 10 Drones (Swarms)
- Within Line of Sight Operations
- 400' AGL Ceiling
- Less than 55 lbs

Some constraints may be waived as an exception with proper coordination and deconfliction

CORE CAPABILITIES

- UAS Flight Test Facility
- C-UAS Detection Testing Facility
- Training Venue for UAS and C-UAS Operations
- Critical Urban Operation Area (CUOA) Training
- Remote Operations Center
- Multiple Launch and Recovery Sites
- Virtual or Constructive C-UAS Mitigation
- Sensor Testing
- Tethered-UAS Testing
- Training Aids and Personnel Available
- Hardware Interoperability Design/Testing
- Common Operating Picture (COP) Software Interoperability Testing
- Safety Risk Management
- Risk Mitigation Strategies
- Currency Flights and Procedural Validation
- Manned and Unmanned Systems Interoperability Testing
- CONOPS Recommendations and Development
- Support for:
 - Waiver Requests
 - Certificate of Authorization (COA) Requests
 - Position, Navigation, and Timing Testing
 - Special Air Worthiness Certificates
 - National Institute of Standards and Technology (NIST) Training
- Other Customer Services Available as Needed*

SUPPORTING

- Department of Defense
 - Office of the Secretary of Defense
 - U.S. Army Space and Missile Defense Command
 - U.S. Army Program Executive Office - Aviation
 - U.S. Army Aviation & Missile Center
 - U.S. Army Corps of Engineers
 - Redstone Test Center
 - Civil Air Patrol
 - Missile Defense Agency
- Department of Justice
 - Federal Bureau of Investigation
- Department of Homeland Security
 - Federal Emergency Management Agency
 - Federal Aviation Administration
 - National Aeronautics and Space Administration
 - National Oceanic & Atmospheric Administration
 - Commercial Industry & Small Business
 - First Responders & Law Enforcement