Flight Testing Market for Commercial UAV and UAM Vehicles

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Mission: To facilitate Utah economic development through the advancement of commercial UAM flight testing

Vision: To establish Utah as a global leader in commercial UAM flight testing and applied research
Objectives

• Promote Utah UAM commercial flight test ranges to meet multiple UAM missions

• Commercial incubator for UDOT Highways in the Sky project

• Support for FAA/NASA unmanned programs through Nevada NIAS partnership

  NASA TCL-4    FAA UPP
MISSION: BEYOND VISUAL LINE OF SIGHT TESTING

- 40 miles from SLC Airport
- Wide-open land
- Supportive local community
- Mobile Flight Monitoring Center
- Conducive air space

Tooele County, Utah
MISSION: AIRCRAFT REQUIRING RUNWAY TESTING

- Paved runway
- Flight Monitoring Center
- High Speed Internet
- Support Services
- Secured facility
- 60x60 Steel Hanger

Box Elder County, Utah
MISSION: URBAN ENVIRONMENT TESTING

- Urban environment
- Population 90,000
- Supportive local government
- Business district
- Residential

Ogden City, Utah
MISSION: UAS PILOT TRAINING

- Utah based, DARTDrones conducting UAS pilot training at Deseret UAS Xperience Center
- AUVSI Trusted Operator Program (TOP) certified training; Level 3 TOP Training Provider
- Funding from ABC’s Shark Tank

Tooele County, Utah
Demand growing exponentially

Market is forecast at $1.3 trillion

NASA Launched UAM Grand Challenge

More than 240 UAM vehicles are in development today

Need for more test sites for large UAV and UAM vehicles

Download at deseretuas.org
FAA UAS TEST SITES

- Designed for FAA & NASA UTM research and testing
- Pre-date emergence of UAM industry
- Many are remotely located
- Services and prices not publicly available
- Some lack variable operating conditions such as topography, weather, altitude
- None approach from a commercial business perspective
DESERET UAS COMMERCIAL UAM FLIGHT TESTING

• A commercial business approach
• Services designed for commercial UAM vehicles and services
• Access to FAA COAs and aircraft airworthiness certification through USU AggieAir
• Access to FAA UAS Test Site through teaming agreement with NIAS
• Multiple sites to meet mission requirements
• A variety of operating conditions
• Close to major international airport
• Networking with key organizations in Utah
• Introductions to funding sources
• Business services to start-up UAM companies