

Request Name: Tooele County

Description: Deseret UAS represents the collective statewide interests working toward establishing a robust UAV (drone) technology industry in Utah. Deseret UAS facilitates commercial testing, R&D and cross-sector collaboration, establishing Utah as the global leader in Unmanned Aerial Systems (UAS) and Urban Air Mobility (UAM).

Agency: Economic Development

Funding for: \$1,200,000

Government



DESERET UAS ACCOMPLISHMENTS

OUR VISION

To establish Utah as a global leader in UAS/UAM commercial testing and to support Utah's urban air mobility.

OUR MISSION

To facilitate economic development through the advancement of unmanned aerial systems and urban air mobility.

As Utah's premier organization for Unmanned Aerial Systems (UAS)/Urban Air Mobility (UAM), Deseret UAS works tirelessly to facilitate rural economic development through the advancement of the industry and to elevate Utah's profile as a national leader in UAS/UAM. We are actively courting employers who are interested in locating to the state and bringing hundreds of high-paying jobs in the high-tech industry. We have an active commercial test site and are working to establish additional sites.



OFFER UAS/UAM TEST & TRAINING SITES

Deseret UAS has an active commercial test site in Box Elder County. We are working to establish additional sites in Tooele County and Ogden City. Deseret UAS has three companies that will begin testing in the first quarter of 2019 and we are in discussions with half a dozen other companies who have expressed an interest in locating to Utah. These companies would bring new jobs to the state in the coming years. Deseret UAS has produced a guidebook for companies to understand the opportunities Utah offers.

1 ACTIVE TEST SITE **3** COMPANIES TESTING



PROMOTE UTAH UAS

In conjunction with our partners at the Nevada Institution for Autonomous Systems (NIAS), National Aeronautics and Space Administration (NASA) has awarded Deseret UAS the Technical Capabilities Level (TLC)-4 project to advance Beyond Visual Line of Sight testing over an urban environment. In addition, NIAS and Deseret UAS have been awarded the USDOT/FAA Unmanned Aircraft Systems (UAS) Traffic Management (UTM) Pilot Program (UPP). We have submitted three additional proposals to the Federal Aviation Administration (FAA) and NASA with the intent to secure funding and projects for our continued operations. We have dozens of out-of-state companies visiting our headquarters on a regular basis and already have sixteen Utah companies listed in our growing directory.

16 UTAH COMPANIES IN UAS DIRECTORY
48 SITE VISITS **2** FEDERAL CONTRACTS



CENTRALIZE UAS

Deseret UAS is helping to strategically align resources already available in the state to better coordinate the advancement of the UAS/UAM industry. In addition, we are coordinating with key Utah UAS/UAM organizations to leverage resources and connect dozens of companies to needed investment and partners.

- Composites and Aerospace of Northern Utah (CANU)
- Utah Advanced Materials and Manufacturing Initiative (UAMMI)
- AUVSI Mountain Chapter
- Mountain West Unmanned Systems Alliance

30+ UAS/UAM
ENTITIES



FOSTER APPLIED RESEARCH

Deseret UAS has established working relationships with major universities. Each institution of higher learning has developed a specific expertise and Deseret UAS is working to capitalize on these respective strengths.

- BYU – Detect and avoid research using UAM aircraft.
- GMU – Research into UAS/UAM package delivery in Tooele County.
- U of U – Low-altitude weather research and forecasting, chemical gas detection.
- USU – Provides operational clearances and FAA authorization for commercial flight testing.
- UVU – UAS/UAM first responders and fire fighter systems testing and research.

4 TOP
UNIVERSITIES

Deseret UAS has seen unprecedented successes in 2018. We plan to build on these successes in 2019 with the establishment of additional test sites, active commercial testing in both rural and urban environments, representing Utah UAS/UAM industry at major industry conferences, and stimulating influx of private sector funding. While these accomplishments are significant, additional state investment is needed to support future successes.

TOOELE COUNTY

FY2020 Appropriations Request

Deseret UAS Contract for Utah UAV Technology Initiative

2020 REVENUES	
FY2020 Appropriations	\$1,000,000
Commercial Revenue	\$200,000
Sponsorships	\$80,000
Memberships	\$25,000
TOTAL REVENUES	\$1,305,000

OPERATIONS	
Management	\$200,000
Xperience Center	\$50,000
Professional Services	\$215,000
Marketing (conferences/travel)	\$130,000
Demonstration Projects	\$125,000
TOTAL OPERATIONS	\$720,000

INFRASTRUCTURE: VERTICLE	
UAM Test Sites	\$165,000
Northern Test Sites	\$200,000
Mobile Command Center	\$225,000
Radar Equipment	\$10,000
Point-to-Point Data	\$15,000
Portable Hangers (2)	\$10,000
TOTAL INFRASTRUCTURE	\$625,000

TOTAL EXPENDITURES	\$1,345,000
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