




Deseret UAS

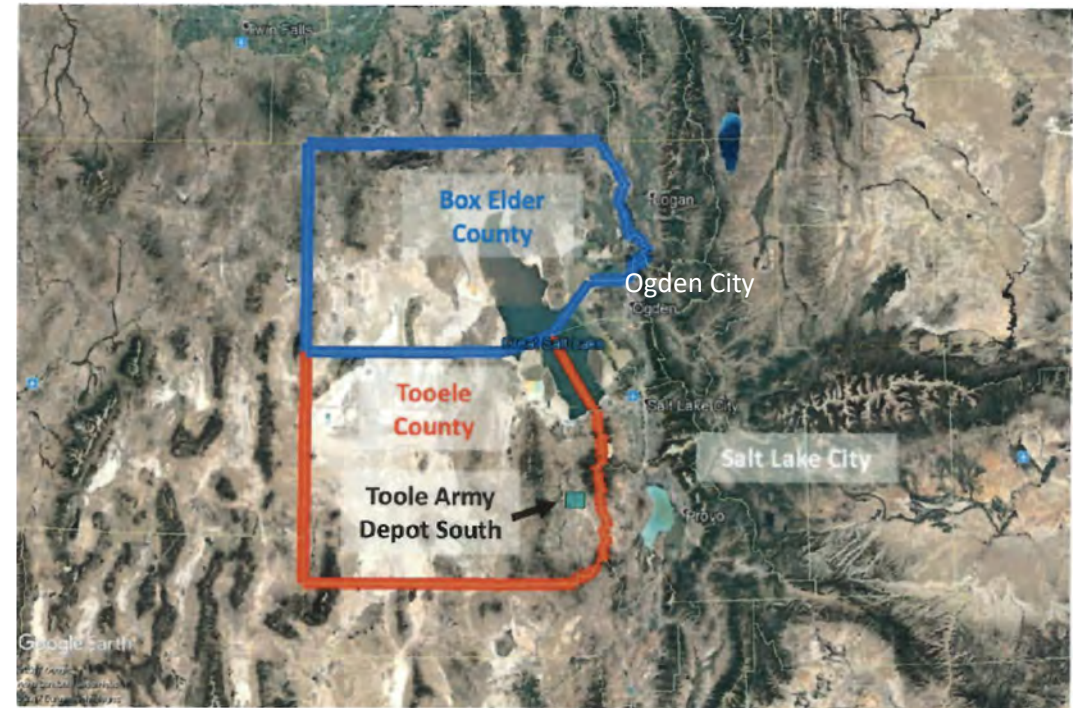
Shawn Milne
Commissioner, Tooele County
Board Chair, Deseret UAS

Utah UAS Summit
September 27, 2018



ABOUT US

Deseret UAS is a non-profit organization created jointly by Tooele and Box Elder Counties, and we work in close collaboration with Ogden City, to advance Utah's unmanned aerial systems (UAS).





OUR MISSION

To facilitate economic development through the advancement of unmanned aerial systems in Utah and to elevate Utah's presence in UAS industry.

OUR PURPOSE

CENTRALIZE

UAS IN UTAH

Become the central source for UAS industry in Utah

Provide information and resources for industry and government on UAS in Utah

PROMOTE UTAH UAS

Create an online directory of Utah UAS companies and services

Promote Utah UAS through activities and social media
Take lead in Utah AVUSI Booth

DEVELOP TEST SITES

Existing Northrop Grumman (former ATK) site in Box Elder

Develop additional test sites in Tooele County and City of Ogden

FOSTER RESEARCH

Research to advance UAS commercial operations and bring supporting technology development to Utah



UTAH'S UAS COMPANIES

Utah has dozens of companies involved with UAS products and services, but there is no centralized resource to find them

- Loveland Technologies
- TEAL Drone
- Fortem Technologies
- TEAL Drones
- L-3 Com
- TVS
- Alvey Media
- Mission Support
- Strong Aerospace
- Flight Enabled
- Northrop-Grumman
- L-M Procerus
- Rocky Mountain Unmanned Systems (RMUS)
- Yellow Scan
- Sundance Media
- Inertial Sense
- Hexatron Engineering Co
- ACT Aerospace
- Silver Hawk Aerial Imaging
- Aggie Air/USU
- ImSar
- Security 101
- Deseret Digital
- Limitless Aerial Systems
- Flight Enabled
- Serco-NA
- Marshall Radio
- ElectraFly
- Sportr-RF

UTAH UAS FLIGHT TEST RANGES



Tooele Army Depot (TEAD) has the potential to be new UAS test site with 25 square miles of open spaces



Northrop Grumman (former ATK) test site in Box Elder County



Utah BLM Lands offer additional UAS test site opportunities



UAS Urban test environment Ogden City



DESERET UAS RESEARCH FOCUS

- Utah State University/AggieAir, Beyond Visual Line of Sight
- University of Utah led Low Altitude weather research and NSF Communications of the Future (5g, C-V2X,etc.)
- Metron Aviation, an Airbus Company, and ANRA, Command and Control
- George Mason University UAM Emergency Services in Tooele
- UDOT/ Dept of Aeronautics UAM in Utah



DESERET UAS STAFF

- Tulinda Larsen – Executive Director
- Marshall Wright – Government & Industry Relations Director
- Julie Fisher – Contract Manager
- Muriel Xochimitl – Communications Director
- Melissa Mendes – Business Development Manager
- Mike Newton – TEAD Liaison
- Al Jackson – Washington, DC Consultant
- Jeremiah Riley – Legal Services Director
- Darryl Jenkins – Senior Strategist

- Operations – contract with AggieAir

XPERIENCE CENTER

- Showcases Utah's UAS industry
- Presents vision of UAS flight testing
- Facilities for UAS Flight Test Mission Planning
- Viewing live UAS Flight Test Missions
- 1st Floor
156 E. 2000 N. Suite 110
Tooele, UT



UAS FLIGHT TEST RANGE - TEAD

- Tooele Army Depot (TEAD)
- Location
 - Tooele
 - Close to SLC
- Advantageous Air Space
- Support Services
- Status: In discussions with TEAD officials





DESERET UAS HAS POTENTIAL FLIGHT TESTS

- XTI Aircraft, UAM aircraft
- ElectraFly, personal flight vehicle
- Loyal Technology Company, Ltd. (LTC) agricultural spray drone
- Utah DNR Mine profiling using UAS
- Space Data and Fortem Technologies

TIMELINE 2018

July - September

- Secured GOED funding
- Assembled team
- Executed partner agreements
- Utah UAV Summit
- Investor Briefing: UAS Opportunities
- Represented Deseret UAS at INTERDRONE

October - December

- Xperience Center Opening October 24
- Launched communications program
- Establish centralized directory of Utah UAS companies
- Represented Deseret UAS at Commercial UAV Expo and Air Traffic Controller Association (ATAC)
- NASA UAM Challenge

- UAS Flight Testing**
- UAM Flight testing: XTI Aircraft

TIMELINE 2019

January - March

- FAA UPP Testing w/ NIAS
- Virtual Conference: Accelerator Event for UAS Command and Control
- Submit proposal for Low Altitude Weather Research
- **UAS Flight Testing**
- GMU UAM Flight Testing
- DNR Mine Profiling
- Space Date & Fortem testing

April - June

- Weather testing begins
- AUVSI Xponential Conference Utah Booth
- **UAS Flight Testing**
- Spray Drone Flight Testing
- AggieAir BLVOS



Thank you!
www.DeseretUAS.org