

UAS for Public Outreach and Education

PROJECT TITLE

UAS for Various Transportation Applications

STUDY TIMELINE

June 2018 – September 2022

INVESTIGATORS

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VTRANS CONTACTS

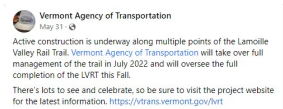
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KEYWORDS

UAS, UAV, Drone, Social Media, Public Outreach, STEAM, STEM, Education, Youth

FUNDING

FHWA STIC Innovation Award



Introduction or Problem Statement

The AOT Unoccupied Aircraft Systems Program is serving Vermonters with its ability to provide educational opportunities to youth from around the state. AOT's UAS program also can provide relevant and impactful photo and video content through the AOT's Public Outreach Section.



Methodology or Action Taken

AOT UAS has presented and instructed students about the current use of UAS in the transportation industry. The UAS program has been involved with youth camps sponsored by FHWA (National Summer Transportation Institute) and Experimental Aviation Association (EAA). Middle school and high school age students were engaged in conversations about relevant and practical uses of UAS, while being encouraged to pursue this field as a viable career path.

Drone based UAS content is an effective way to highlight AOT's projects to the public via social media, website development, and many other avenues. AOT's drone content has reached thousands of people around the world.

Many Vermonters look to AOT's UAS program for guidance on all things UAS, and it is a privilege to be able to support the growth of a safe UAS environment throughout Vermont.

Conclusions or Next Steps

AOT will continue to serve as a public resource and will promote safe operation of UAS nationwide. Educational institutions are encouraged to reach out to the UAS Program Manager if they are interested in UAS learning opportunities.

Potential Impacts and VTrans Benefits

As AOT adapts with the rapid change in UAS technology, it is imperative that AOT will be ready to support a new generation of workforce. Promoting safe operation of UAS technology will help a new generation of workforce to utilize UAS technology for efficient and safe work within AOT as well as across many other industries nationwide.

More information about the
VTrans Research Program,
including additional Fact
Sheets, can be found at:
<http://vtrans.vermont.gov/planning/research>