

Using Unmanned Aerial Systems (UAS) for Agency Applications

Storm Event Analysis

UAS missions over areas affected by flooding after a storm event can provide valuable data about the impact and dynamics of increased water in river systems.



In-Progress Construction Inspection

Flights over construction projects currently underway can provide visual updates on progress to Project Managers. It will augment field inspection activities, serving as another check to ground observations.

Construction Project Post-Inspection

Timely post-construction flights by UAS provide confirmation of on the ground inspection observations on a project-wide scope. This also allows for updated imagery for use in GIS applications.



Supplement Infrastructure Inspections

UAS systems can assist in inspecting areas of infrastructure that are difficult or dangerous to reach by other methods. 3D point cloud modeling is also possible.



Emergency Response

UAS systems can assist with emergency response, traversing difficult terrain quickly. UAS video can be streamed directly over cellular and wireless networks to decision makers at the Vermont Emergency Management (VEM) Operations Center.



AGENCY OF TRANSPORTATION

Project Champion

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