



Date: 16 January 2019

## Routescene and Caddis Aerial launch UAV LiDAR surveys in the “Four Corners”, USA

Based in Durango, Colorado, Caddis Aerial's land surveyors Daryl Crites and Steve McCormack have added LiDAR as a capability to their UAV survey offering. Partnering with turnkey UAV LiDAR solution experts Routescene Inc., who are also Colorado-based, this enables Caddis Aerial to perform high resolution and vegetation penetrating surveys in the "Four Corners" area of the Western US.

With over 90 years of combined survey experience, Caddis Aerial apply their survey and UAV expertise with LiDAR to tremendous effect. Routescene's LidarPod is the perfect tool to survey wooded or brush covered areas, to penetrate vegetation and capture the detail of the ground below. The results? Detailed and accurate surveys operable in previously difficult sites, such as hard to reach, hazardous or hostile environments, inaccessible steep slopes or densely vegetated sites.

Their first joint project took place at the end of 2018 at a Native American archaeological site in Sand Canyon, Colorado, and exciting new discoveries were found through the vegetation. These dramatic results were due to utilizing Routescene's rigorous survey workflow starting with survey and project planning, data acquisition, data processing to the final bare earth outputs. The team had immediate and continuous real-time in-flight data quality assurance using Routescene's QA Monitor web-based software, making sure they left the remote survey site with the data they needed. Using their proprietary software, LidarViewer Pro, and the Bare Earth tool a bare earth terrain model was extracted which enabled the archaeologists to instantly identify artefacts.

Caddis Aerial and Routescene Inc. will operate their service across the Four Corners, focusing on applications where their expertise and technology is most beneficial: including monitoring slope stability through vegetation to prevent mud slides, surveying vegetation encroachment of power lines to prevent fires, to hydrological modelling to prevent flash floods.

Routescene Inc. will be exhibiting at ILMF 2019 (International LiDAR and Mapping Forum) in Denver, Colorado from January 28-30. Visit them at Booth 815 to find out more.

**For more information and images please contact Routescene at:**

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### Editors Notes

About Routescene®	www.routescene.com	About Caddis Aerial	www.caddisaerial.com
Routescene® is a global operation that offers authoritative insight across all aspects of data management and have industry recognition as data visualisation experts. Routescene understands the problems the survey industry needs to solve and have combined intelligent thinking with experience to design a reliable and practical solution to deliver fast geospatial data capture, analysis and visualisation to improve commercial decisions and performance.		Caddis Aerial LLC, seasoned land surveyors, provide professional drone services for local, national and international customers. Caddis Aerial provides a myriad of professional services, including: aerial mapping photogrammetry; utility line and tower inspections; aerial inspections (roofs, bridges, dams, material stockpiles, etc.); architectural 3-D renderings; avalanche study support; archaeological and environmental inspections; geographical monitoring and more. They have the requisite FAA 333 Exemption to fly drones commercially.	