

# IMAGINE UAV FOR ERDAS IMAGINE®

Make the most of your UAV data with ERDAS IMAGINE's Spatial Modeler. This new and improved version of the Spatial Modeler ingests UAV data, generates value-added products such as point clouds and image mosaics, and executes customised analytics, in one single batchable process within a unified and user-friendly modelling interface.

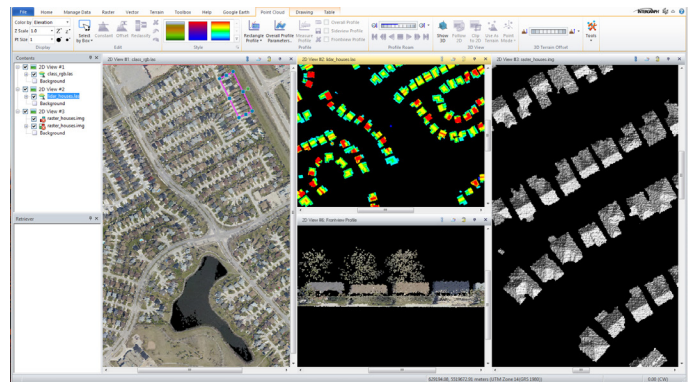
## BUSINESS BENEFITS

The amount of data being captured is increasing exponentially. This leads to the rise in demand for systematic, automatic, batchable processes that increase efficiency and return on investments. With this unified solution, you no longer need multiple vendors, interfaces, or viewers for an end-to-end UAV workflow from raw data to the creation of critical business information.

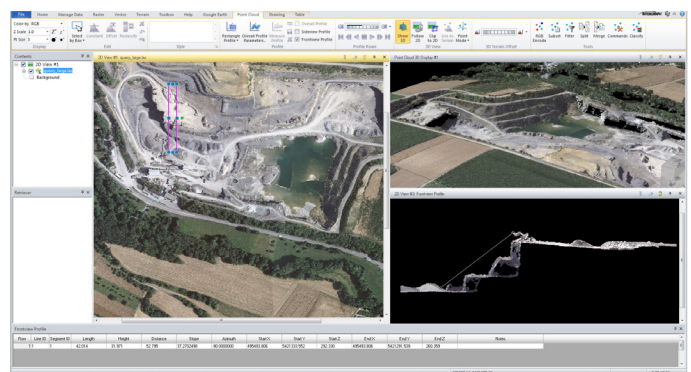
- **Efficient:** No more transitioning between vendors and packages for creating DSMs, point-clouds and mosaics for analytics. Bypass bottlenecks and issues with formats, projections, and more with a unified solution
- **Batchable:** Repeatability, accuracy, efficiency, and fast data creation utilising the full potential of your hardware's processing power
- **Customisable:** Simplified graphical user interface to extend the 'out of the box' spatial model solution to produce additional customized value-added products and graphical reports that enable informed decision making.

## NEW FUNCTIONALITY TO BE RELEASED SOON:

Automatically catalogue input and output datasets into ERDAS APOLLO for efficient "set it and forget it" data management.



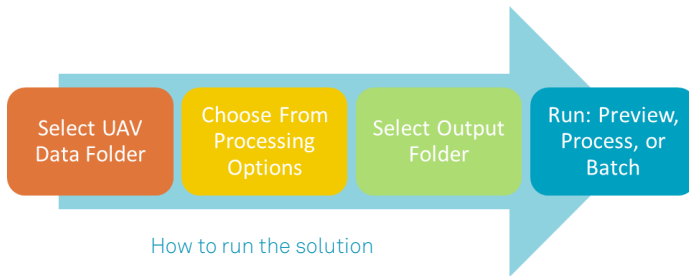
Post- Processing Analytics



Display, Edit and Profile Point Clouds

## HOW IS IT DONE?

IMAGINE UAV ingests UAS images and creates dense LAS point-clouds, image mosaics and elevation models using AgiSoft PhotoScan software. The standard spatial model is fully customisable and has extensive post-processing analytics capabilities providing users with an end-to-end solution.

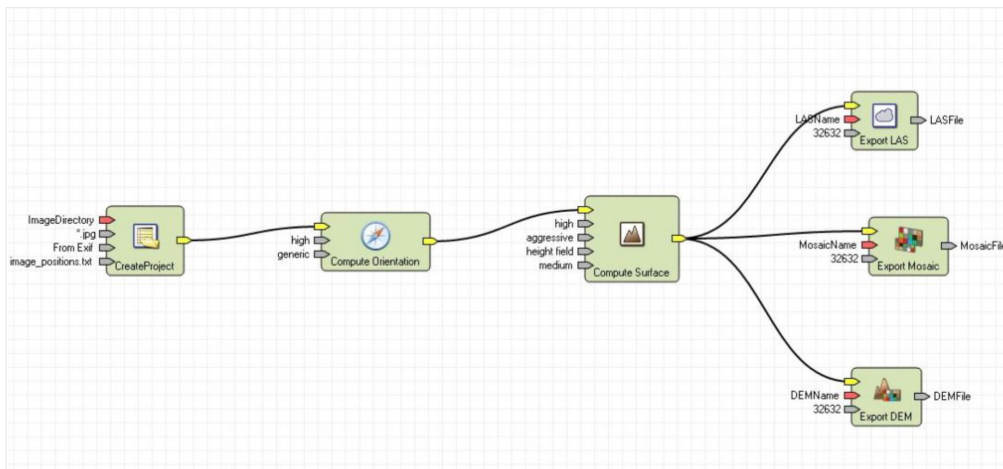


## FEATURES AND ADVANTAGES

- **Execute** the IMAGINE UAV from the ERDAS IMAGINE ribbon using any of the 3 licensed tiers of IMAGINE: Essentials, Advantage or Professional. Customised models are available in ERDAS IMAGINE Professional only.

- **Installation** uses an executable (.exe) provided, that installs the UAV solution on top of ERDAS IMAGINE 2015. This also installs AgiSoft, additional spatial model operators, and adds a new layout which includes a new tab in the Ribbon.
- **Digitise/capture** feature data (points, lines and polygons). Style and edit attributes
- **View, edit and profile** point clouds
- **Distributed** batch processing
- **Append** additional operators for added functionality to the spatial model or a full analytical solution i.e. create NDVIs, classify point clouds, calculate volume and more
- **Powerful visualisation** for point clouds, elevation models and imagery including blend and swipe, linking multiple views, capturing measurements, viewing cross-sections, annotating, changing band combinations, and adjusting look up tables for brightness, sharpness and contrast.

For more on AgiSoft see [www.agisoft.com](http://www.agisoft.com)



Tie point matching, point cloud computation, 'true' ortho mosaic generation and on-demand data compression to ECW and LAS.



For more information, visit [www.hexagongeospatial.com](http://www.hexagongeospatial.com)  
Contact us at [marketing@hexagongeospatial.com](mailto:marketing@hexagongeospatial.com)

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