



April 20, 2020

Dear AW3D Supporters,

April is the beginning of a new fiscal year in Japan.

We hope you all stay safe and enjoy this article.

-AW3D sales team

Feature Topic: Drone Flight Operation

In recent years, drones have become more important in many aspects of our lives.

In terms of transportation, safety is a must when flying any drones.

To ensure the safety of drone flights, you need to run simulations for any scenarios you might face in your drone pilot work. In order to assume more exact situation around flight routes, accurate topographic model and heights of obstacles are required.

Thanks to the characteristics of the satellite, AW3D allows you to acquire a precise 3D dataset throughout the entire world easily and quickly, regardless of borders and administrative districts. AW3D leads to more safe and cost-effective drone flight operation.

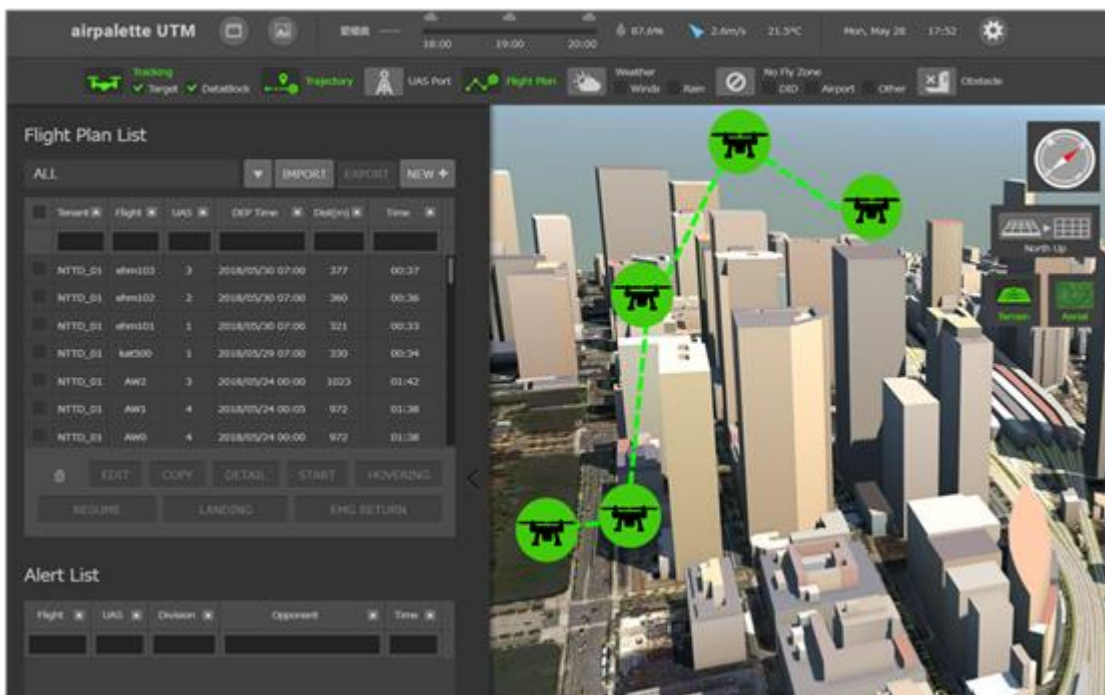


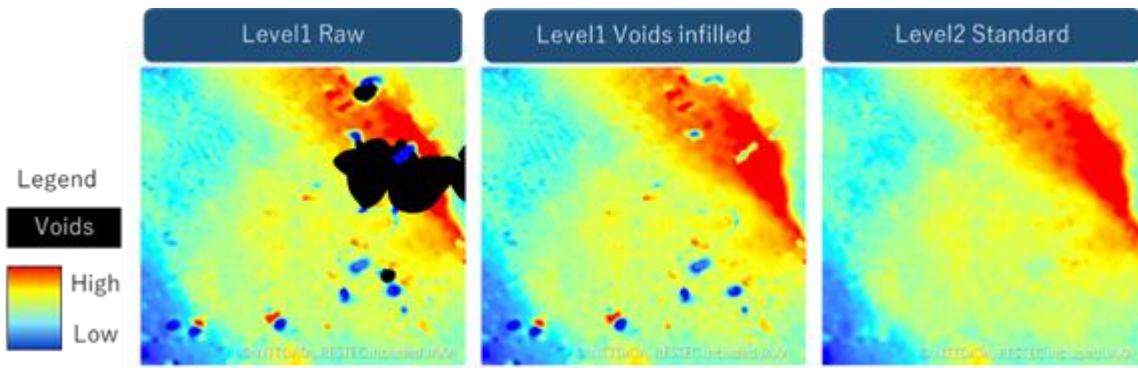
Image: AW3D Building and 50cm resolution DTM on the software “airpalette UTM”

Product of the Month: Processing Level of DSM

In AW3D Standard product, we have 3 options for DSM data as below:

- Level1 Raw: Voids are not infilled and artifacts (e.g. spikes, wells, blunders) are not corrected
- Level1 Voids Infilled: Voids are infilled with SRTM or other free resources and artifacts are not corrected

- Level2 Standard: Voids are infilled with SRTM or other free resources, artifacts are removed/corrected using filtering/interpolation and inland water bodies are corrected using average water height.



We usually recommend Level2 Standard because it is ready to use for everyone.

If you have expertise in DEM correction, Level1 would be fine in terms of saving cost and reducing the delivery timeline. As another option, infilling voids with down-resampled AW3D Enhanced product is also available at additional cost. For more specific advice on your actual project, please feel free to [contact us](#).

Due to a statement of emergency declared by the Japanese Government over coronavirus pandemic, AW3D team is conducting necessary actions according to our contingency plan.

We are taking the highest priority on the safety and health of our members, but we also give full effort to meet our customers' expectations. Please contact our sales representative or [our website](#) to understand how this would affect your project with AW3D team.

Appreciate your kind understanding always.



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