



June 19th, 2023

Welcome to the latest edition of the AW3D newsletter.

We are excited to bring you the latest updates, valuable insights, and resources for geo-information professionals.

The discussion of peace initiatives has been increasingly emphasized through various situations, including significant events - [G7 Hiroshima 2023](#) and [GEOINT 2023 Symposium](#), which is one of the largest annual geospatial intelligence events organized by the United States Geospatial Intelligence Foundation (USGIF) held in last month, were no exception.

This edition highlights the crucial play a 3D map has in our safe living.

Thanks for reading.

-AW3D team

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### **The Power of 3D Maps: Improving Safety through Strategic Decision-Making**

Utilizing 3D maps is crucial for making strategic decisions that contribute to our safety. Here are several reasons why integrating 3D maps into decision-making is important:

1. Enhanced Situational Awareness
2. Effective Planning and Operations
3. Risk Assessment and Vulnerability Analysis
4. Training and Simulation
5. Communication, etc.

By leveraging highly precise 3D maps, strategic decision-makers can significantly enhance their processes. For instance, AW3D provides highly-accurate 3D Map data for a flight simulator to ensure aviation safety and cost-effective operations in any given situation and circumstances.



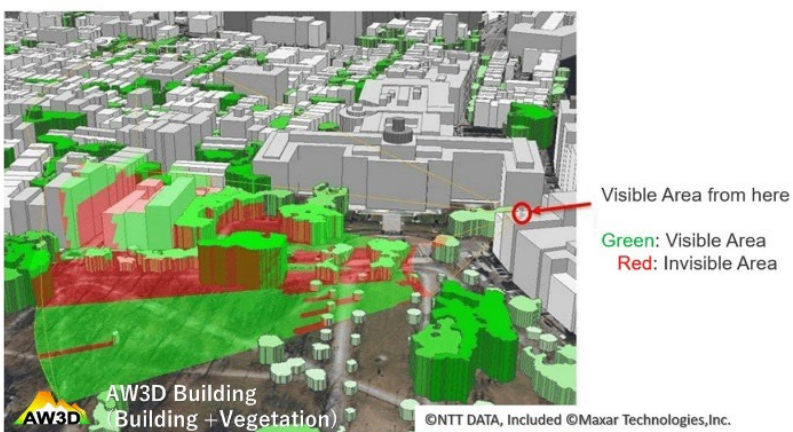
Our 3D map datasets are based on satellite imagery, providing a solution without any complex permission procedures compared to other methods like airborne, UAV, or ground surveys. Moreover, satellites continually collect new images, resulting in a vast archive of data from the past. It allows you to access the latest 3D maps as well as historical maps for specific periods.

For more details about the advantages of utilizing AW3D for decision-making, including flight simulation, visit: <https://dtcdata.net/aw3d/>

To explore how our AW3D datasets can contribute to our living, visit our website: <https://www.aw3d.jp/en/applications/>

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## Case Study: Line of Sight (LoS) Analysis by using AW3D Building / Vegetation vectors



Line of Sight (LoS) analysis, sometimes referred to as “viewshed analysis,” reveals the visibility of terrain between two points. This analysis plays a significant role in various industries, including city planning, tourism, and construction.

Moreover, LoS analysis empowers effective security measures by enabling the identifying blind spots for deploying guards and strategically installing security cameras.

The image above showcases a simulation that utilizes our 3D vectors (AW3D Building), accurately representing buildings and vegetation.

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## **AW3D Tutorial Movies are Available!**

If you are looking for how to utilize AW3D in Geographic Information System (GIS) tools, our tutorial movies can assist you step by step.

Our latest release explains the installation and basic usage of Google Earth Pro and QGIS, a user-friendly open-source GIS licensed under the General Public License.

You can check the tutorial for:

- Google Earth Pro: [https://youtu.be/5\\_RSBOLIY2s](https://youtu.be/5_RSBOLIY2s)
- QGIS LTR: <https://youtu.be/KrXPt06toXw>

Stay tuned for upcoming tutorials that we utilize GIS utilities with digital elevation models.

Don't forget to like and subscribe to RESTEC (AW3D's partner) official YouTube channel!

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Any questions, comments, or suggestions are always welcome. We can be reached via [here](#).

Thanks for tuning in,

The AW3D sales team

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