



## AW3D Newsletter vol. 23 <Welcome 2021>

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January 25<sup>th</sup>, 2021

Dear AW3D Supporters,

Hope you all had a brilliant New Year and are staying safe too. We look forward to continuing work with you in 2021. Let's make this year a better one!



By the way, did you dream on the night of January 1<sup>st</sup>?

In Japan, there is a proverb 'Ichi-Fuji, Ni-Taka, San-Nasubi (The first is Mt. Fuji, the second is hawks, and the third is eggplants)'. Traditionally it used to be considered as lucky charms to have your first dream of the new year.

We will start the very first Newsletter of 2021 with Mt. Fuji; Enhanced 2m DSM of AW3D.

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### **Case study: Urban planning evaluation**

In Japan, to build new commercial facilities such as a shopping mall, constructors are responsible to obtain approvals from stakeholders, including the neighborhood. The most important thing to obtain the approval is a good explanation about how the new building would affect the neighborhood life, i.e. how the environment (sunlight visibility, traffic, etc.) might be changed after the construction.

In this case study, our valued partner Mitsui Consultants Co., Ltd utilizes [AW3D Building](#) dataset to simulate the possible change of such sunlight and visibility.

The below figure shows the simulation result of sunlight and shadows in summer and winter.

It enables the stakeholders including non-GIS expert people to understand the affected scope of their future environment easily.



Summer



Winter

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AW3D can offer 3D building dataset not only over Japan, but also globally, and in addition the off-the-shelf dataset is ready to use in 209 cities in 65 countries. The United Kingdom is one of the countries where the off-the-shelf dataset is available nationwide thanks to the rich archive availability of satellite imagery and scalability of our processing environment.

For the details of the archived cities, feel free to contact us from [here](#).



AW3D Building dataset over London, UK ©NTTDATA included ©Maxar Technologies, Inc.



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