

SKY Perfect JSAT Launches AQUANA: Flood Insights in 30 Minutes **Proprietary Analytics Transform Satellite Data into Rapid Situational Awareness**

Tokyo, Japan, October 22, 2026— SKY Perfect JSAT Corporation (SKY Perfect JSAT) today announced the launch of AQUANA™*, a new satellite data analytics service that uses a single Synthetic Aperture Radar (SAR) image to automatically identify inundated areas and provide rapid situational awareness in as little as 30 minutes. Following its launch in Japan, SKY Perfect JSAT plans to expand the service to international markets.

*Trademark application pending.



Service Logo (trademark application pending)

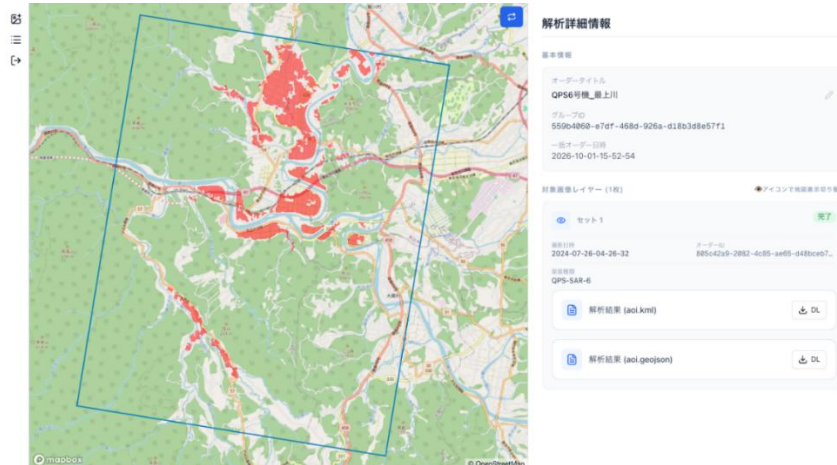
In recent years, increasingly frequent extreme rainfall and typhoons have underscored the need for rapid, wide-area situational awareness in the immediate aftermath of disaster. Yet field surveys can be time-consuming, while optical satellite imagery is often limited by cloud cover and darkness. As a result, SAR imagery, which can capture the Earth's surface regardless of weather or lighting conditions, is becoming an increasingly valuable tool for disaster response.

AQUANA enables users to upload a single post-disaster SAR image through a web-based platform, where SKY Perfect JSAT's proprietary algorithm automatically identifies inundated areas and delivers actionable insights in as little as 30 minutes.

Conventional SAR-based flood assessment typically relies on comparing images captured before and after a disaster. In contrast, AQUANA requires only a single post-disaster image, eliminating the need to source and prepare historical imagery in advance. The proprietary algorithm is compatible with SAR imagery collected by a broad range of satellite platforms, including both large and small satellites operated in Japan and around the world, and can process imagery in approximately 10 minutes*¹. From image upload to delivery of results, the entire workflow can be completed in as little as 30 minutes, enabling rapid assessment when timely information is most critical.

While SAR image interpretation has traditionally required specialized expertise, AQUANA automatically optimizes analysis parameters based on the characteristics of each image, making the service easy to use even for non-specialists. By providing timely and accessible information on inundation conditions, AQUANA supports a wide range of post-disaster decision-making needs, from emergency response and damage assessment by local government agencies to loss assessment and claims preparation by insurance providers.

*1 Processing time required for algorithm-based image analysis. The end-to-end workflow, including image upload and preparation, can be completed in as little as 30 minutes.



Flooded areas detected by AQUANA (shown in red)

In addition to providing satellite imagery, SKY Perfect JSAT has been advancing the practical use of Earth observation data. In 2022, the company launched LIANA (Land-deformation and Infrastructure ANALysis), a service that uses SAR imagery to monitor ground deformation risks affecting slopes and critical infrastructure.

Through AQUANA and other data-drive services, SKY Perfect JSAT aims to broaden access to satellite-derived insights and make advanced space-based data more readily available to organizations across a wide range of sectors. By enabling the practical application of satellite data in everyday operations and decision-making, the company seeks to create new value and help build a more resilient and data-informed society.

■ Comparison of Conventional Flood Extent Analysis and AQUANA

