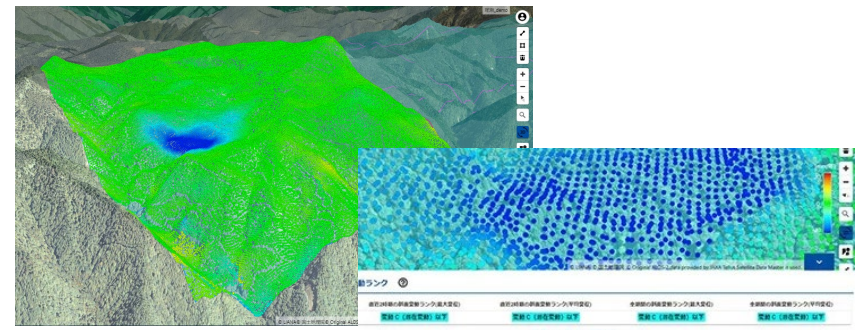# Land deformation and Infrastructure ANAlysis 『LIANA®』

- Web service that visualizes changes in slopes and infrastructure based on the results of analysis of SAR satellite images.
- Wide-ranging changes can be detected based on the historical data since 2014.
- Available to purchase from 1㎢ based on your demands. *JAPAN Limited

Company name	Sky Prefect JSAT corporation/Nippon Koei/ZENRIN
Service Overview	• LIANA is a web system that can monitor slight changes on the ground surface and infrastructure using SAR satellite data. • Available to grasp the mm-based changes whole world by utilizing satellite images, even before 2014 based on Sentinel data. • Trial from small area (1㎢~) is acceptable for AOIs in Japan. • It is expected that management costs can be reduced and labor can be saved by using LIANA, since the system enables to narrow down areas that require investigation from a wide area.
User	Construction consultants, Monitoring infrastructures
Satellite	ALOS-2, Sentinel
URL	【Sky Prefect JSAT corporation】 https://www.skyperfectjsat.space/jsat/service/liana/ 【Nippon Koei】 https://liana-mesh.com/ 【ZENRIN】 https://www.zenrin.co.jp/information/product/240321_01.html