We Enhance the Value of Spatial Data Through Our Smart Platform

4S Mapper is specialized in
image processing and analysis
from satellite, aviation and drone

DaaS DTM

**Examine
Building exterior**

**Examine & Maintain facilities
(road, bridge, tunnel, railway, etc.)**
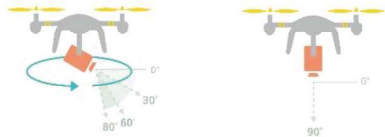
**Survey frequent
traffic-accidents area**

DaaS DTM

DaaS

Check your Drone Video Directly on Your Mobile Devices !

DaaS Pano

Full 360º panorama video taken by a drone will be auto-processed (pixelate, color correction, etc.) on cloud platform and be automatically sent to your mobile devices/ computer as a HTML5-based result.
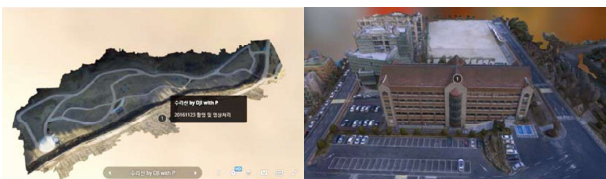
Hemisphere

〈https://goo.gl/maps/WdMmWP2QdpN2〉 〈https://goo.gl/maps/iuwR7upq5232〉

▷ Automatic Stitching
▷ Automatic color correction
▷ 360º VR Panorama on HTML5

DaaS 3D

3D geography, made of a drone video with the purpose of 3D-geospatial-information-generation, which is autoprocessed on cloud platform, can be used for various assessment of geography and facilities and offers various analysis results as a report.

0°   30°   45 - 60°

〈https://skfb.ly/WEA6〉   〈https://skfb.ly/Xt8N〉

▷ Orthorectified figuration image
▷ Classified point cloud data
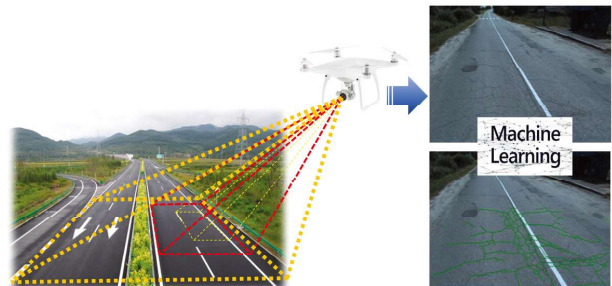▷ Digital elevation model

DTM

Smart Way to Maintain Facilities !

DTM ML

Using Drone & Machine Learning can shoot all lanes/both directions on roads, overcome the limitation of a lane-bylane data acquisition of existing equipments and assess effectively road surface condition.

Machine Learning

▷ Maintenance-cost-saving through a methodical road management
▷ Decrease claims through regular surveys
▷ Be able to plan a long-term roads maintenance
▷ Improve buget usage base on objective criteria
▷ Decrease the number of roadblocking caused by road repairs

DTM AI

Combining drone/AI/Big Data makes it possible to estimate states of diverse facilities and through this, it is able to build a state-based management optimization system and integrate with and connect to existing systems.

▷ Effective management of facilities using big data
▷ Optimizing maintenance cost with a predictive maintenance strategy
▷ Optimizing maintenance on multi-use facilities/buildings

4S Mapper