Smart Construction Drone

Smart Construction Edge

Conversion of the status of the vast construction site into 3D data with a drone

1. Simple operation thanks to automatic flight
2. Saves preparation work; high-speed processing as short as 20 minutes
3. World's first full-package drone

STEP1

Installation of Smart Construction Edge

Smart Construction Edge itself acquires GNSS and correction data. It can be set anywhere without GCP.

STEP2

Automatic flight of the drone

Anyone can create the route easily. Automatic takeoff, flight, and landing at the touch of a button

STEP3

Confirmation of point cloud data

Smart Construction Edge processes data at high speed. It eliminates unnecessary objects and allows you to check the point cloud data immediately on site.

Secure, complete support system

Prior confirmation of the site, instructions by an experienced pilot at the time of delivery, secure compensation, etc.

You can easily check the data on site by flying the drone even over a vast construction site where it is difficult to grasp the whole picture.

Feature 1

Thorough automation. Automated flight at the touch of a button.

Anyone can operate the takeoff, flight, and landing at the touch of a button. The drone flies automatically just by creating the route by your finger.

Feature 2

Setting of Ground Control Points (GCP) is not needed.

GCP setting work is not needed. You can save preparation work and fly the drone immediately.

Feature 3

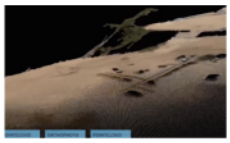
High-speed processing with Smart Construction Edge

You can set it anywhere, because Smart Construction Edge itself receives GNSS and correction data.

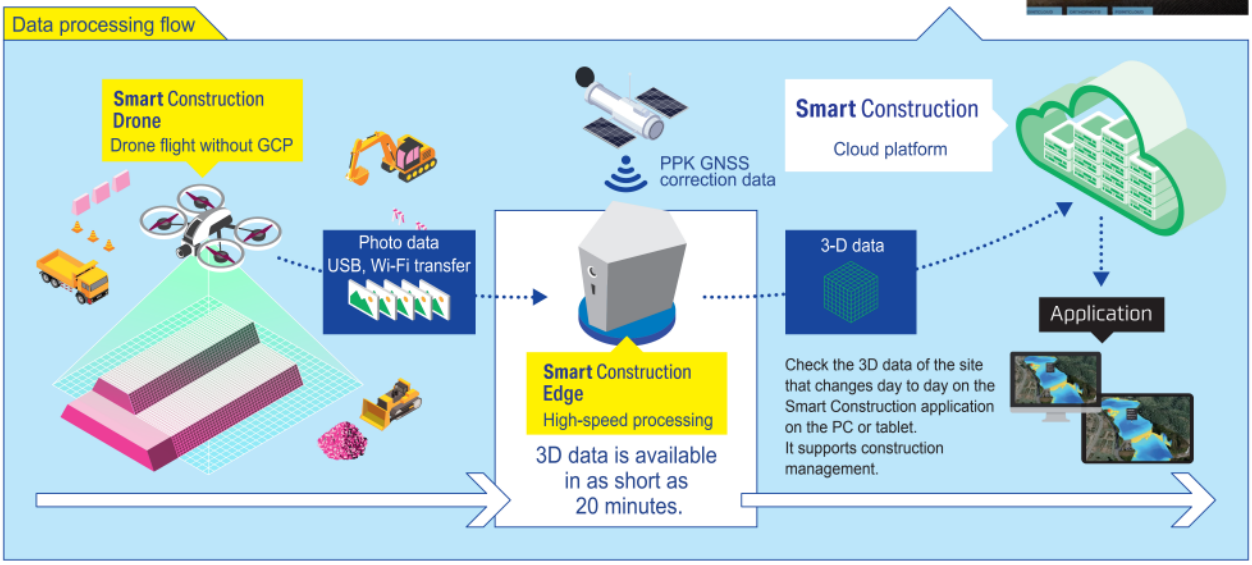
Feature 4

It can be set anywhere on the site.

Smart Construction Edge processes everything at high speed, from the creation of point cloud data to the elimination of unnecessary objects. You can check the data immediately on site.



Data processing flow



SMART CONSTRUCTION Drone	
Dimensions	Width 65 cm, Depth 65 cm, Height 27 cm
Weight of the machine	Approx. 3 kg (including the battery and propellers)
Maximum flight time	Approx. 17 min.
Communication distance	Approx. 2 km
Flying method	Auto and manual
Camera	20 megapixel

SMART CONSTRUCTION Edge	
Dimensions	Width 16 cm, Depth 16 cm, Height 20 cm
Weight	Approx. 2 kg
Continuous operating time	12 hours per charging
GPU	NVIDIA
Specifications	Water and dust resistance
Data storage	250GB

For questions about our products, services, and their introduction, please contact us.

Smart Construction Support
https://support.smartconstruction.com

EARTHBRAIN

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