

Convert your jobsite to 3D "Easy" "Inexpensive" "Swift"



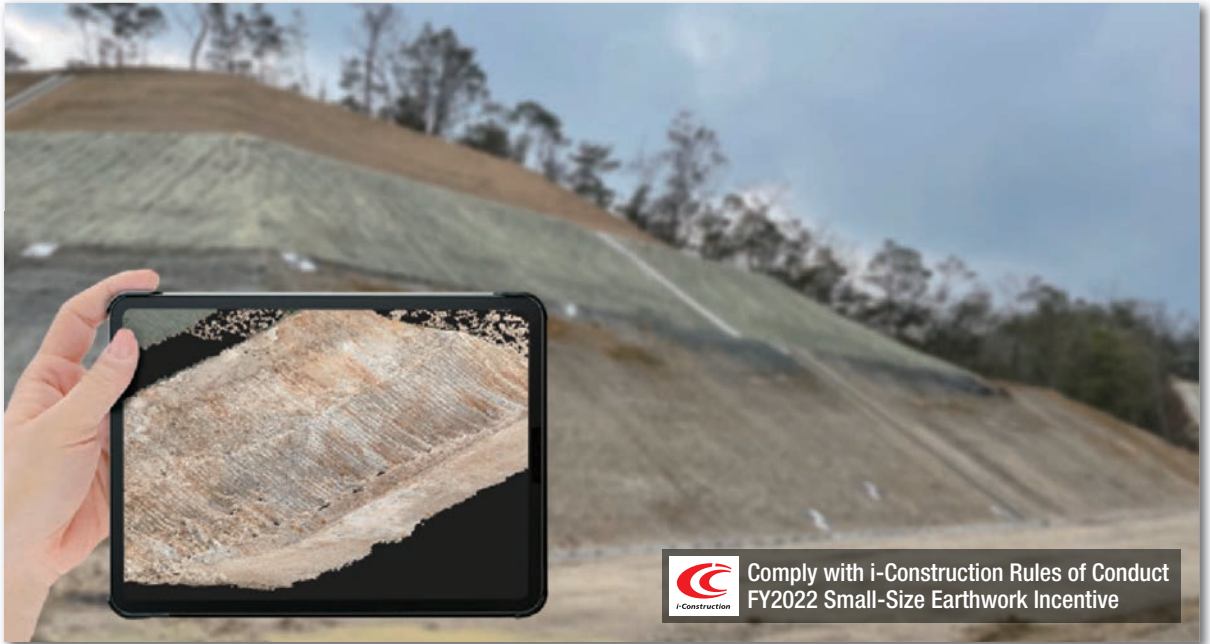
Smart Construction Quick3D

Survey

Plan

Construction

Inspection



Smart Construction Quick3D: Features

Work with iPhone/iPad

Working on a site that doesn't have drones or tracer scanners, or on a small-scale earthwork site, you can easily digitize the site by downloading the app to an iPhone or iPad.



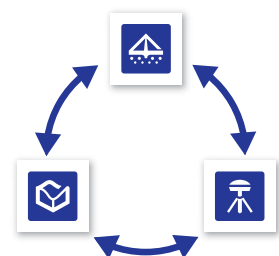
Application conforming to Rules of Conduct using photo survey

Conforms to the revision of Rules of Conduct in March 2022, using ground photogrammetry. You can create point cloud data with a precision of up to ± 5 cm using GCP. Precision varies depending on the site environment and usage.



More efficient with Smart Construction suite

By integrating with Smart Construction Rover and Smart Construction Dashboard, man-hours can be reduced, enabling on-site digitization in a short time.



Smart Construction Quick3D Benefits

The camera and LiDAR features in iPhone and iPad make it easy to generate high-density, high-precision point cloud data.

Smart Construction Quick3D use cases

Use Case (1)

Large Scale Project
Under wire, under bridge, etc.



Use Case (2)

Road, River
Measuring before block installation



Use Case (3)

Urban Site
Measurement in drone flight restricted area



Integration with Smart Construction suite

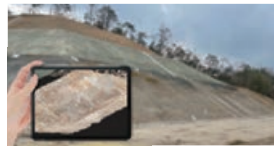
Smart Construction Rover



Obtaining Coordinate Data for Ground Control Points



Smart Construction Quick3D



Retrieving 3D Topographic Survey Data



Smart Construction Dashboard



Visualization of site

Working Time Comparison (400m³ Measurement)

Tasks	Laser scanner/ total station	Smart Construction Quick3D Smart Construction Rover	
Coordinate measurement	15min. × 2 people (LS)	10 minutes	Measure with Smart Construction Rover
Point cloud capturing	30min. × 2 people (TS)	10 minutes	Capture with Smart Construction Quick3D
Upload	5 minutes	Work 1 minute + Processing 5 minutes	Upload Information
Point cloud generation	20 minutes	Work 1 minute + Processing 40 minutes	SfM Processing/AR Processing
Point Cloud viewer Upload	5 minutes	Work 1 minute + Processing 5 minutes	Feed to Smart Construction Dashboard
Validation Point Accuracy Check	10 minutes	3 minutes	—
Accuracy Confirmation Test Results Report	20 minutes	5 minutes	—
Total Work	150 minutes	35minutes (+Processing time 50 minutes)	

Based on EARTHRAIN Test

The working hours and processing time may differ from the above due to the skill level of the user, shooting conditions, number of photographs taken, the condition of the terminal and the server.

Terms of Use	Device	Registration	Contract	Data	Others
	<ul style="list-style-type: none"> •iPhone12Pro Series •iPhone13Pro Series •iPad Pro (models since 2020 only) ※Requires Google Chrome 	<p>Smart Construction Account</p>	<p>Smart Construction Quick3D License</p>	<ul style="list-style-type: none"> •Fixed Points, Verification Points •Coordinate data of fixed and verification points 	—

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

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



EARTHRAIN Ltd.
Izumi Garden Tower 29F 1-6-1, Roppongi,
Minato-ku, Tokyo 106-6029 Japan

Inquiries