Smart Construction Quick3D - Plus AR
(Simplified version) Usage Procedure

EARTHBRAIN

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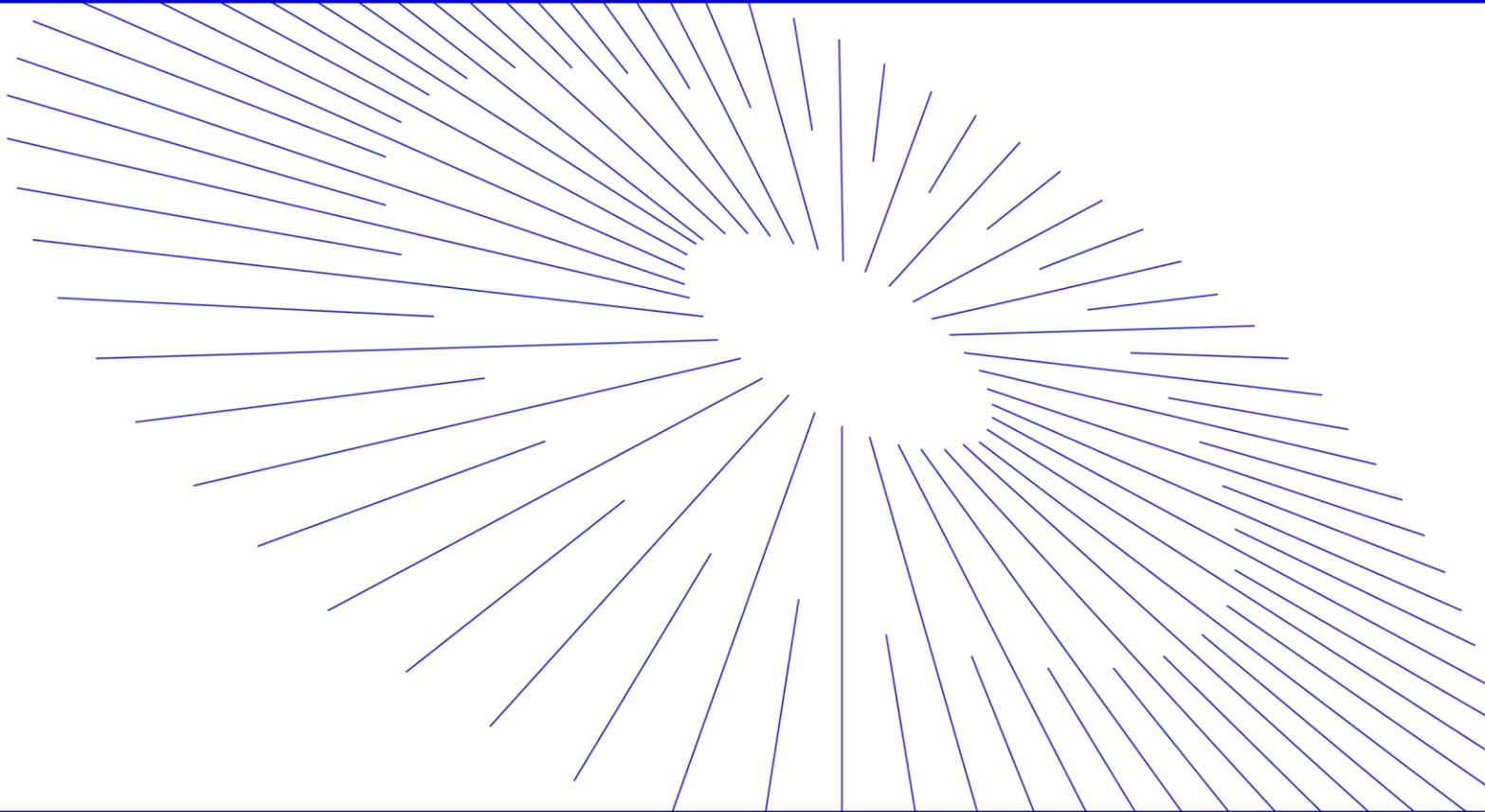
Preparation: 1. Purchase a license for "Smart Construction Quick3D - Plus AR".
2. Install the Smart Construction Quick3D app and Pix4Dcatch on your iPhone/iPad,
   Log in with your Smart Construction account.
3. Prepare "viDoc RTK Rover", install it on your iPhone/iPad, and complete the initial settings.

# 1. Launch the Web version of Smart Construction Quick3D

Smart Construction® Home from a Web Browser
Access the application list and click on
Start "Smart Construction Quick3D".

Smart Construction Home   Application List
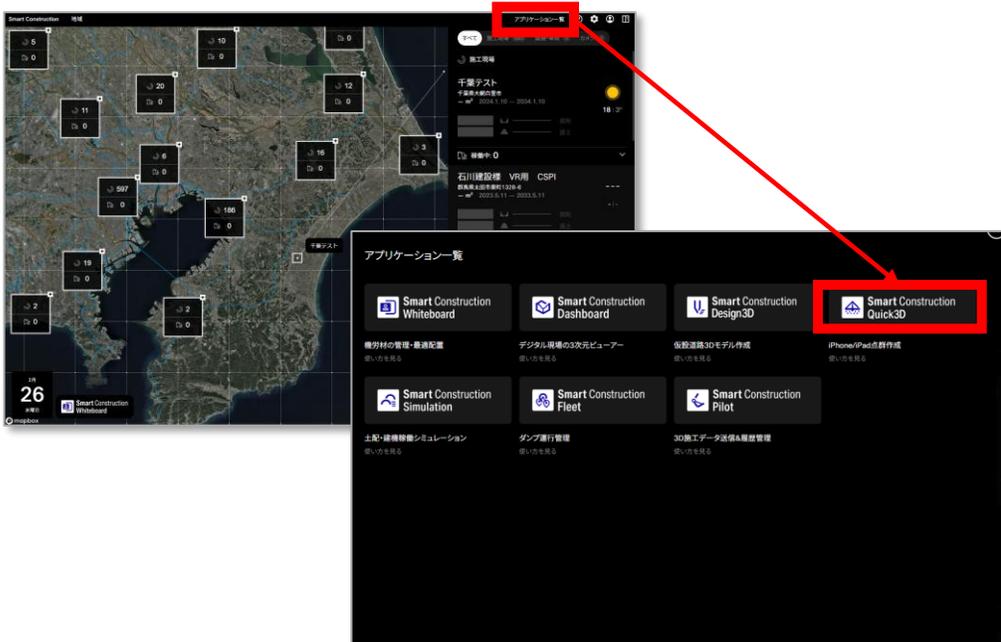
Application List Screen

2-1. To display your point cloud files and design files in AR

Select " ： " in the upper right corner of　Smart Construction Quick3D's project list. And Select "Upload" from the "Upload" menu, After filling in the required information on the upload screen, and uploading the data for display.

Uploading data in this way will result in a display like this.
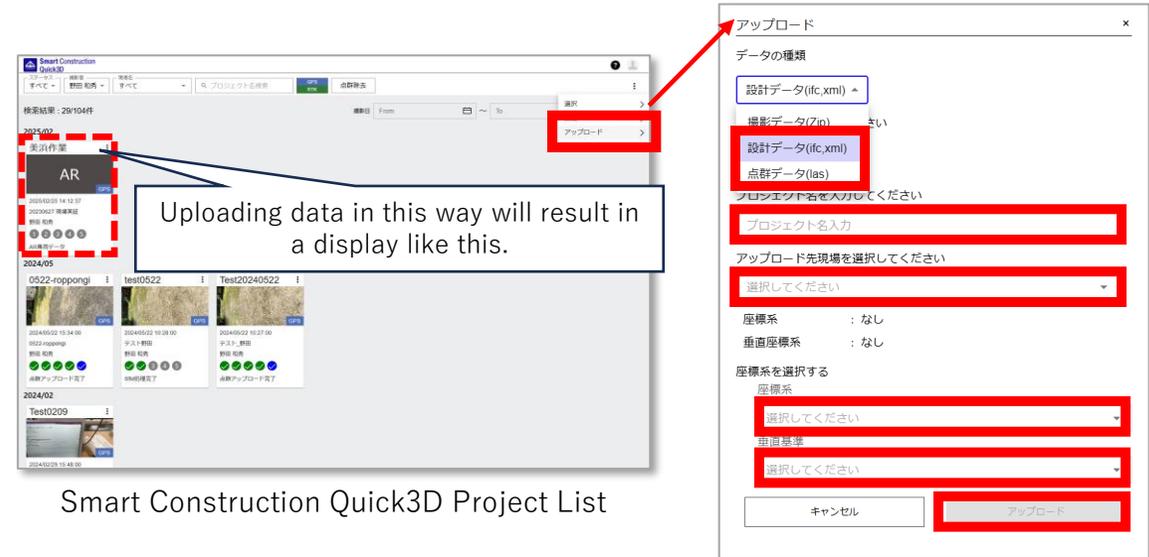
Smart Construction Quick3D Project List

Upload Screen

*About the data for display
Point cloud data is in "LAS format,
Design data in "IFC format" and "LandXML format
The system is compatible with the following

2-2. AR display of design data
on point cloud（after SfM processing）

From the Smart Construction Quick3D project list,
Upload from " ⋮" in the upper right corner of any project
and upload the design data* on the upload screen.
Upload.

Smart Construction Quick3D Project List

Upload Screen
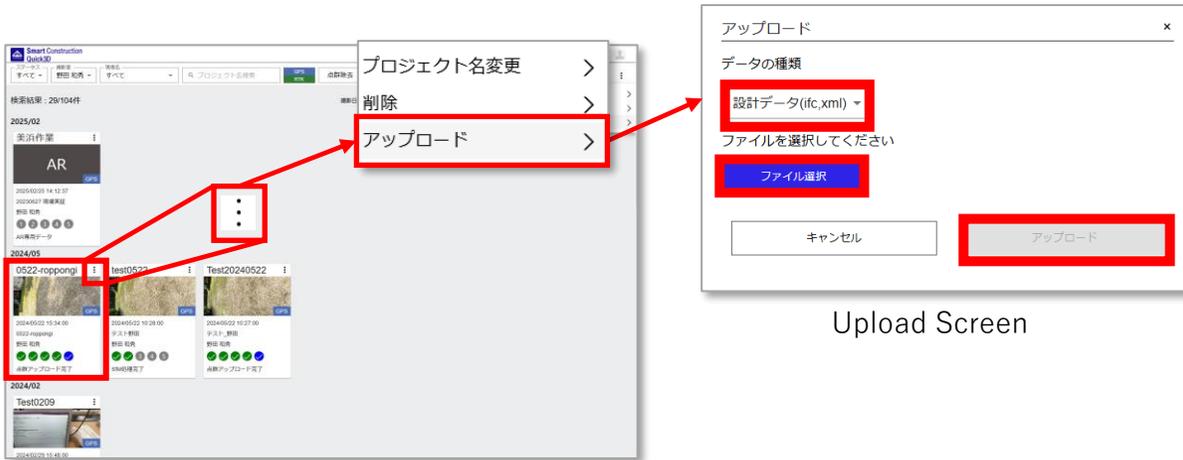
*Design data is available in "IFC format" and "LandXML format".
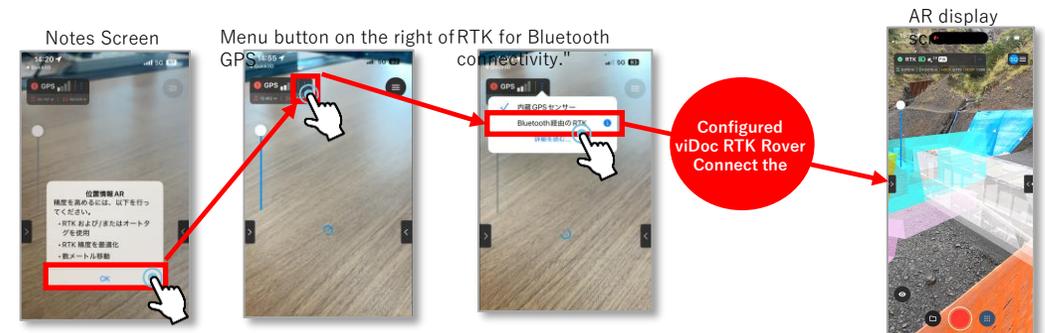
3. display AR on iPhone/iPad

1): "Smart Construction Quick3D" app on iPhone/iPad
Activate the

(2): Click on the " ⋮ " button in the upper right corner of the project and select "Display in AR".
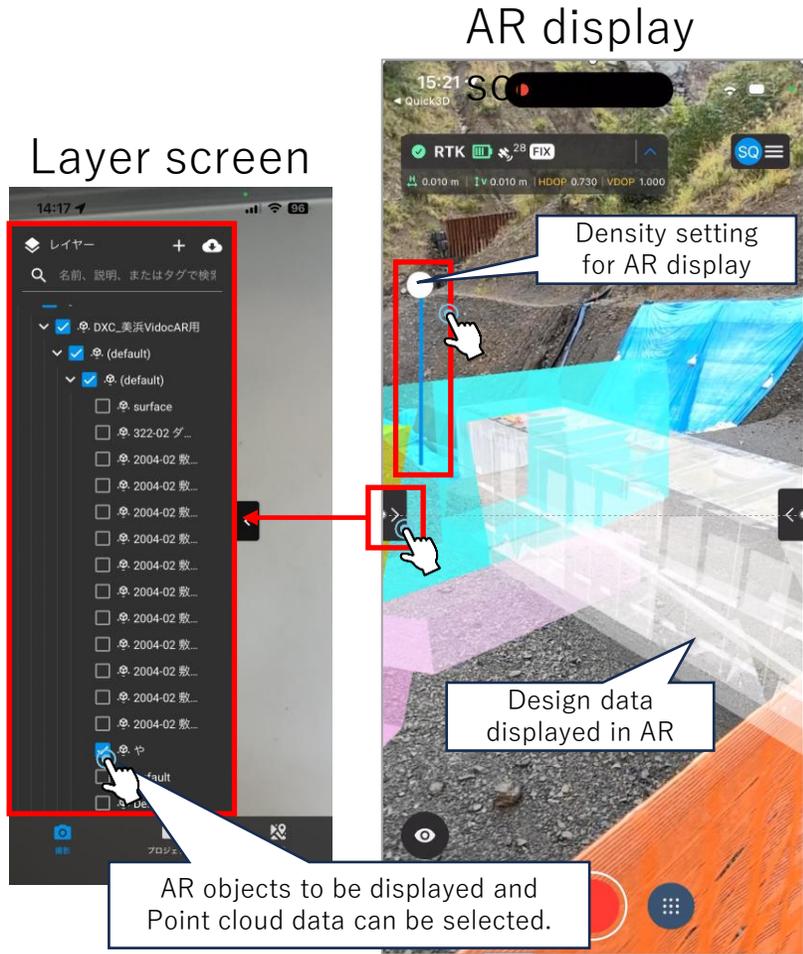Selection.

(3) ③: Press OK when the screen shifts to the shooting screen and a warning message is displayed.
Select "RTK with Bluetooth connection" from the menu at the top of the screen and connect the pre-set "viDoc RTK Rover". Point the iPhone/iPad camera at the object to be photographed, and the data for display will be displayed in AR.

Notes Screen
Menu button on the right of RTK for Bluetooth GPS connectivity."
Configured viDoc RTK Rover Connect the
AR display

 * Immediately after pressing "View in AR" and connecting to viDoc RTK Rover, the point cloud/design data will be displayed in front of you, but by walking around the object to be photographed after FIX, the AR display position will be displayed where it should be.

4. screen operation during AR display

Deletion of data for display

If you want to delete data for display,
From the Smart Construction Quick3D project list
Select the desired project and click the Delete
button from the detailed information screen that
appears.

AR display

Layer screen

Density setting for AR display

Design data displayed in AR

AR objects to be displayed and Point cloud data can be selected.