List of Release Items 1/1

Update on Smart Construction Quick3D ("SC Quick3D"), The release will be held on the following dates and contents

Date: Tuesday, September 10, 18:00 - 24:00 Japan time (tentative)
(The application will be temporarily unavailable during the release process.)

- Mobile apps: If you have not turned on automatic app updates, Please update manually at the App-Store.
- Web App: The contents of this release will be automatically updated, There will be no impact on users or their current data.

NO.	up-to-date	Now Released
mobile	Ver. 1.72	Ver. 2.0.0
Web	Ver. 1.6.21	Ver. 2.0.0

NO.	Target Functions	subject (of taxation, etc.)	summary	Details
1	SSO (Single Sign On) Feature	Mobile Apps Web Apps	**New feature addition.** Login information for SC Portal and SC Quick3D are now common.	Details are explained on p. 2.
2	Acceleration of point cloud display	Mobile App Web App	**New feature addition.** Point cloud operations have been changed for faster operation.	As shown on the left.
3	Automatic screen update (helmert transformation/coordinate system transformation/point cloud removal)	Mobile App Web App	**New feature addition.** A pop-up notification function has been added to notify the user when a point cloud operation is completed.	Details are explained on p. 3.
4	UI/UX Improvement	Mobile App Web App	**Functional improvement.** (The number of clicks required to perform various operations has been reduced. (The number of clicks to perform various operations has been reduced overall.)	Details are explained on P.5-16.

1. functional improvement

1. functional improvement

(i) SSO (Single Sign On) function

(ii) Faster point cloud display

(iii)Automatic screen update

(helmert transformation/coordinate system transformation/point cloud removal)

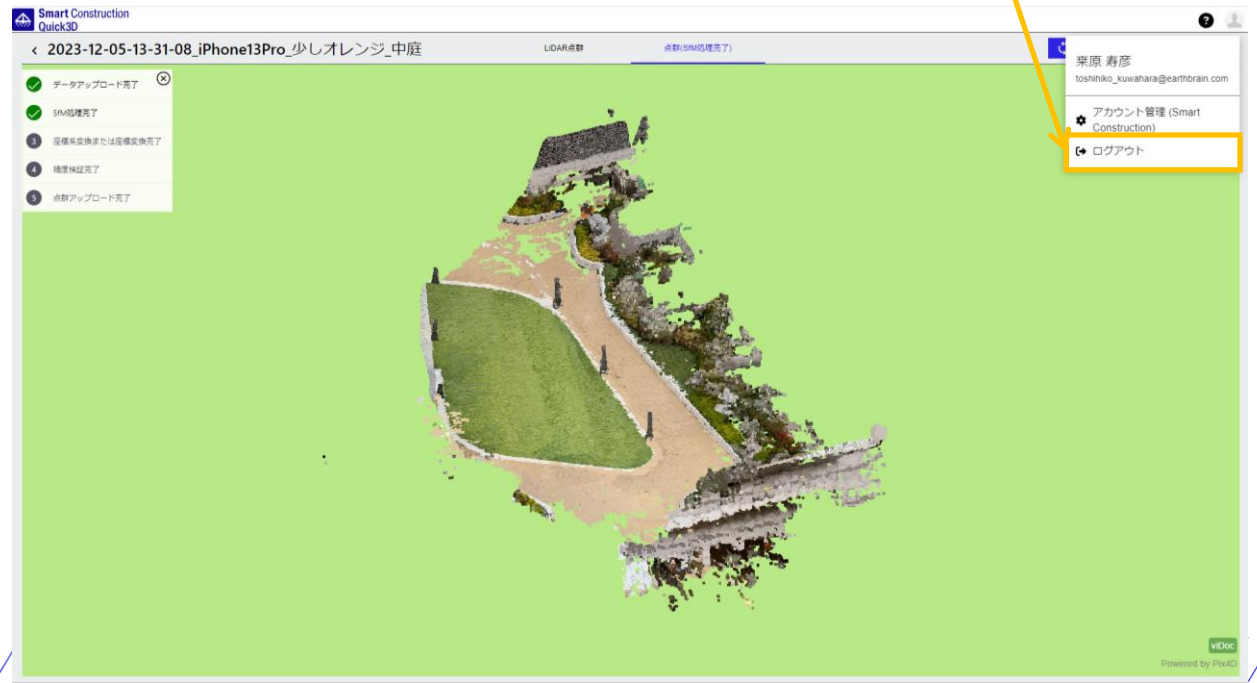
UI/UX improvement

The number of clicks to get to the functionality we wanted to implement was too high,
The entire UI/UX has been revised.

(i)SSO (Single Sign On) function

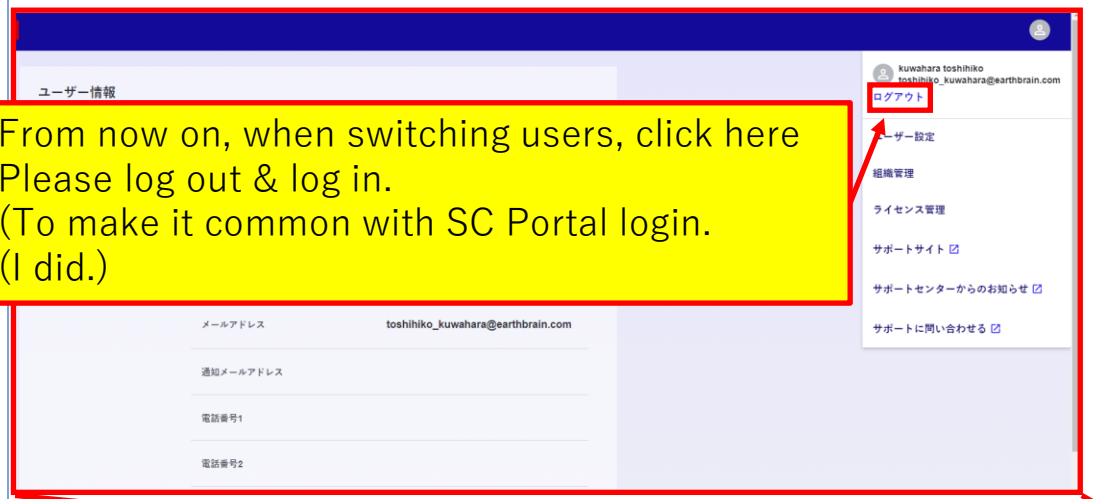
Current version (ver. 1.6.21)

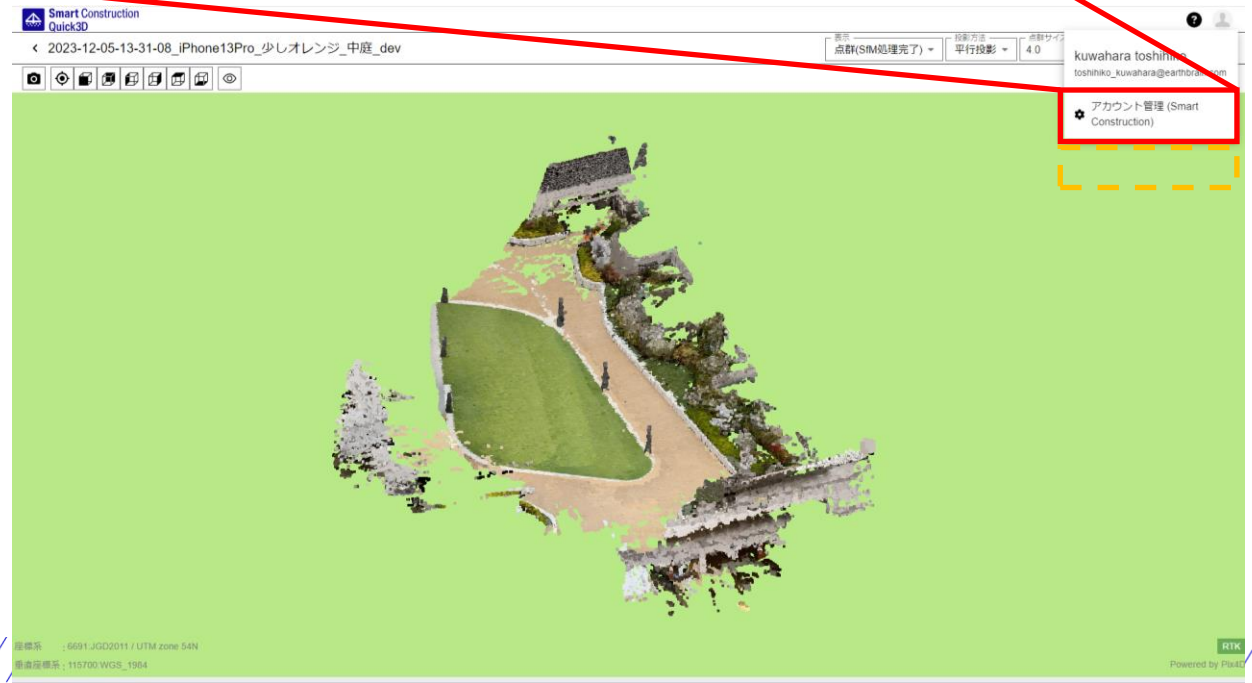
Traditionally, in order to switch users
This button was used to log out & log in.
(Because the login was not shared with the SC Portal login,
Each had to log in).



New version (ver. 2.0.0)

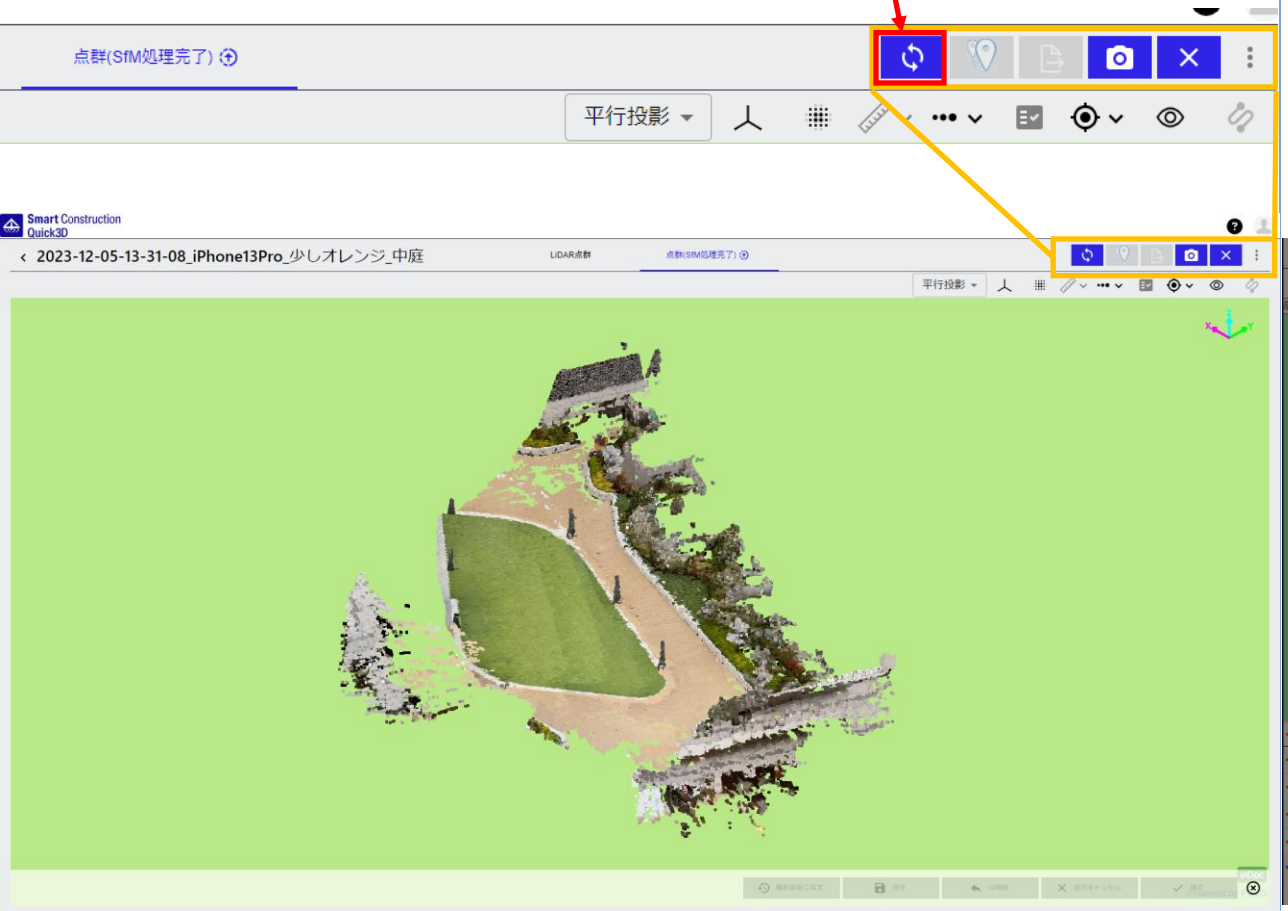
From now on, when switching users, click here
Please log out & log in.
(To make it common with SC Portal login.
(I did.)





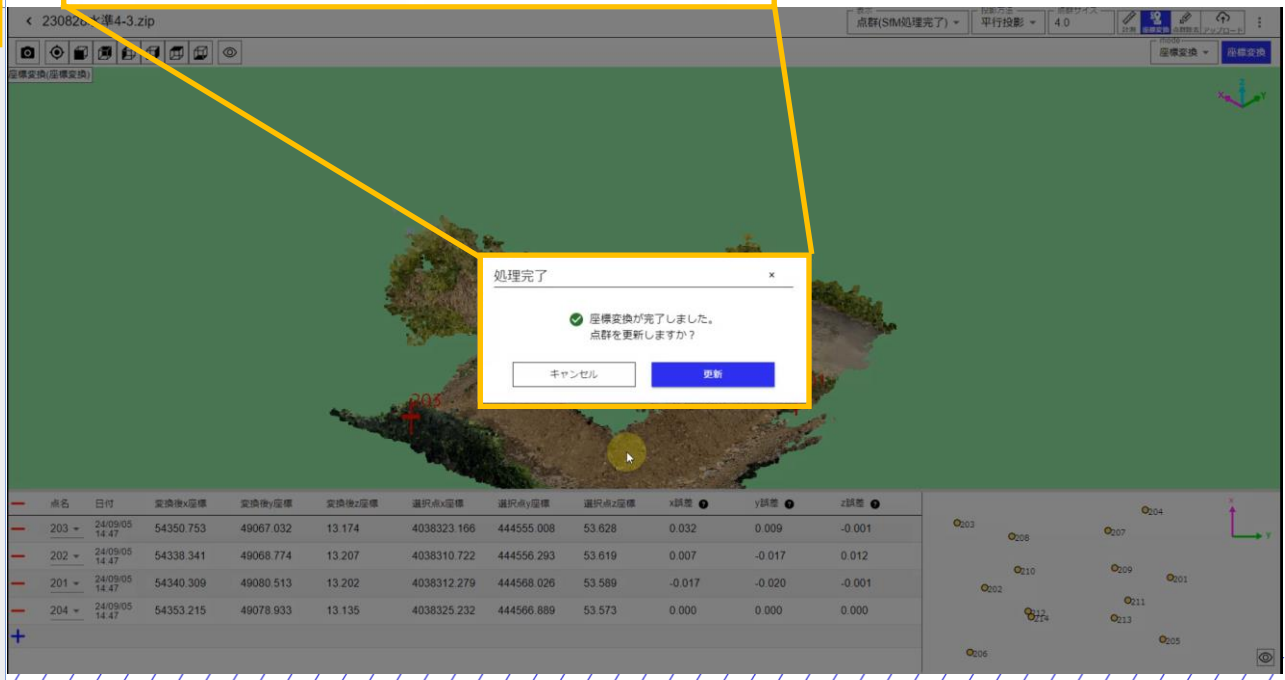
Current version (ver. 1.6.21)

Conventionally, whether the process is complete or not is
You have to press this "update button".
I did not understand.



New version (ver. 2.0.0)

From now on, "Helmert transformation", "coordinate system transformation", and "point cloud removal" processes will be Added a pop-up to notify when completed.



2. UI/UX Improvement

1. functional improvement

(i) SSO Function

(ii) Faster point cloud display

(iii)Automatic screen update

(helmert transformation/coordinate system transformation/point cloud removal)

UI/UX improvement

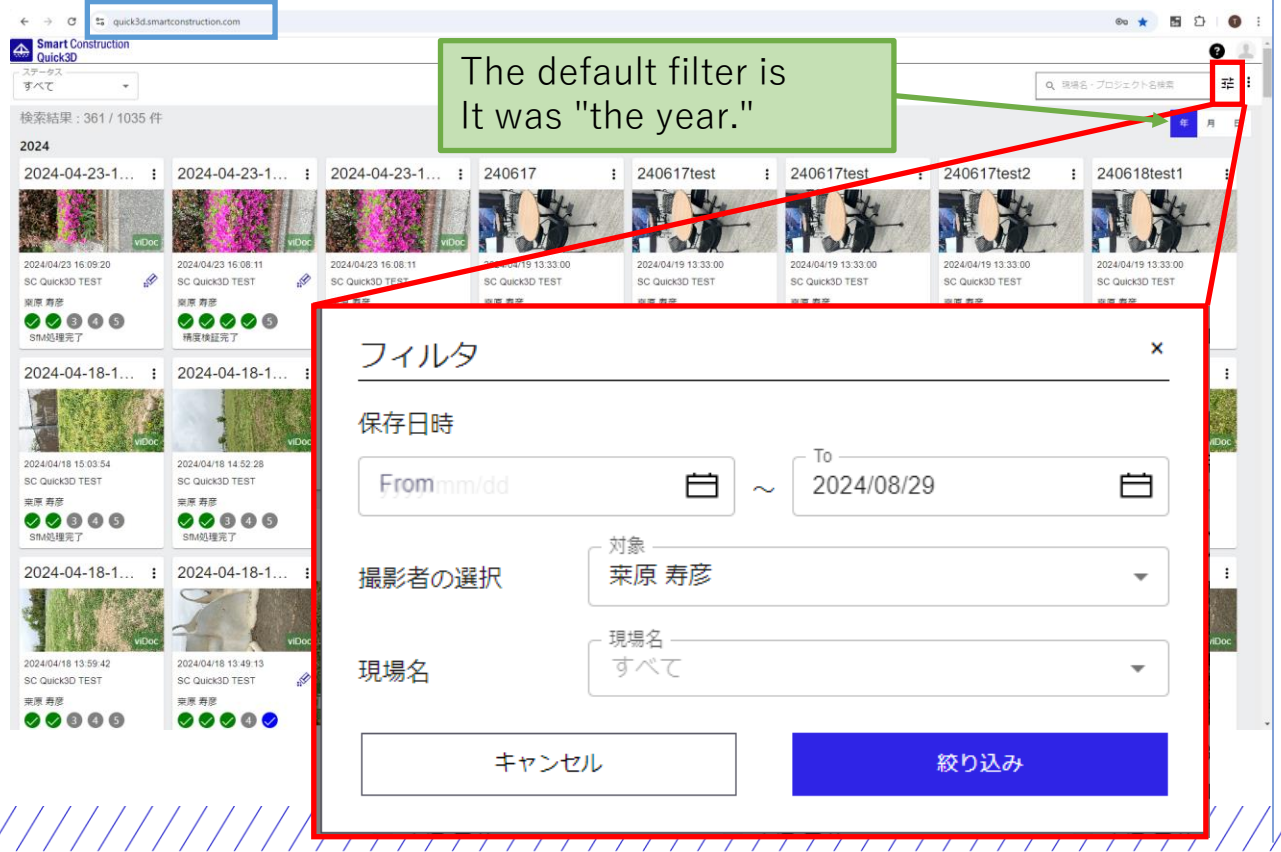
The **number of clicks to get to the functionality we wanted to implement was too high**,
The entire UI/UX has been revised.

Project List

Current version (ver. 1.6.21)

The conventional filtering procedure was as follows (2 clicks)
(1) Select the "Filter" icon
(2) Select "filter section

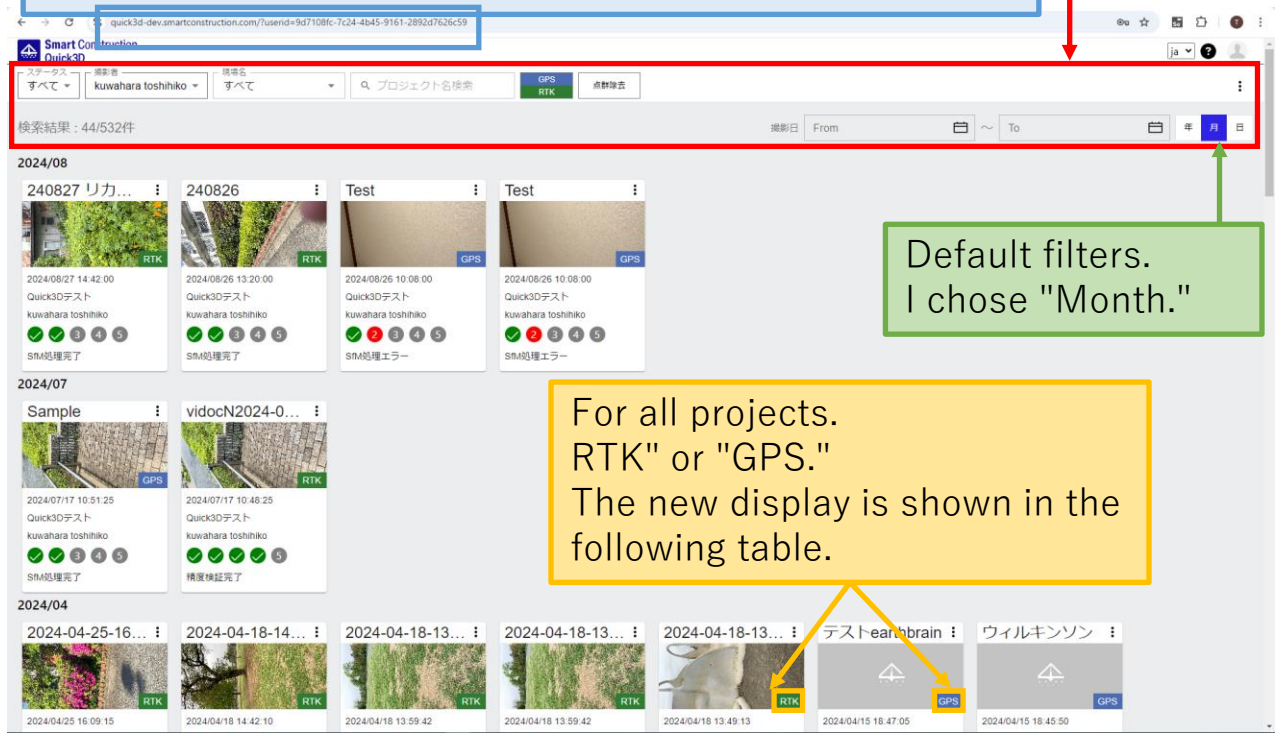
The URL was fixed at
https://quick3d.smartconstruction.com/



New version (ver. 2.0.0)

The following procedure will be used for future filtering. (1 click ← 2 clicks)
(1) Select the "Filter part" icon
Efficiency was improved by reducing the number of clicks.
In addition, the filtering can be done by "GPS/RTK" and "with/without point cloud removal".

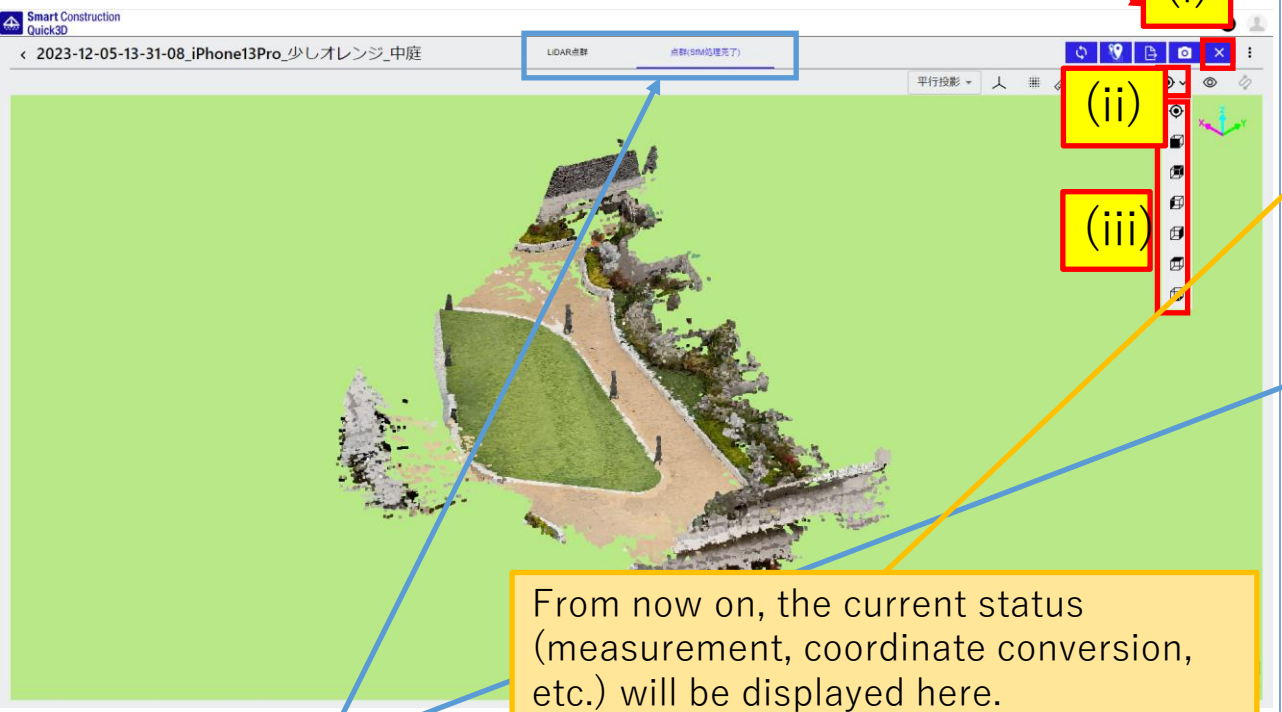
The URL changes according to the filter status.
(for SSO support)



Project Details (General)

Current version (ver. 1.6.21)

The conventional procedure for changing the viewpoint was as follows (3 clicks)
(1) Select the "Options" icon
(2) Select the "Viewpoint Change" icon
(3) Select the "Viewpoint Direction" icon



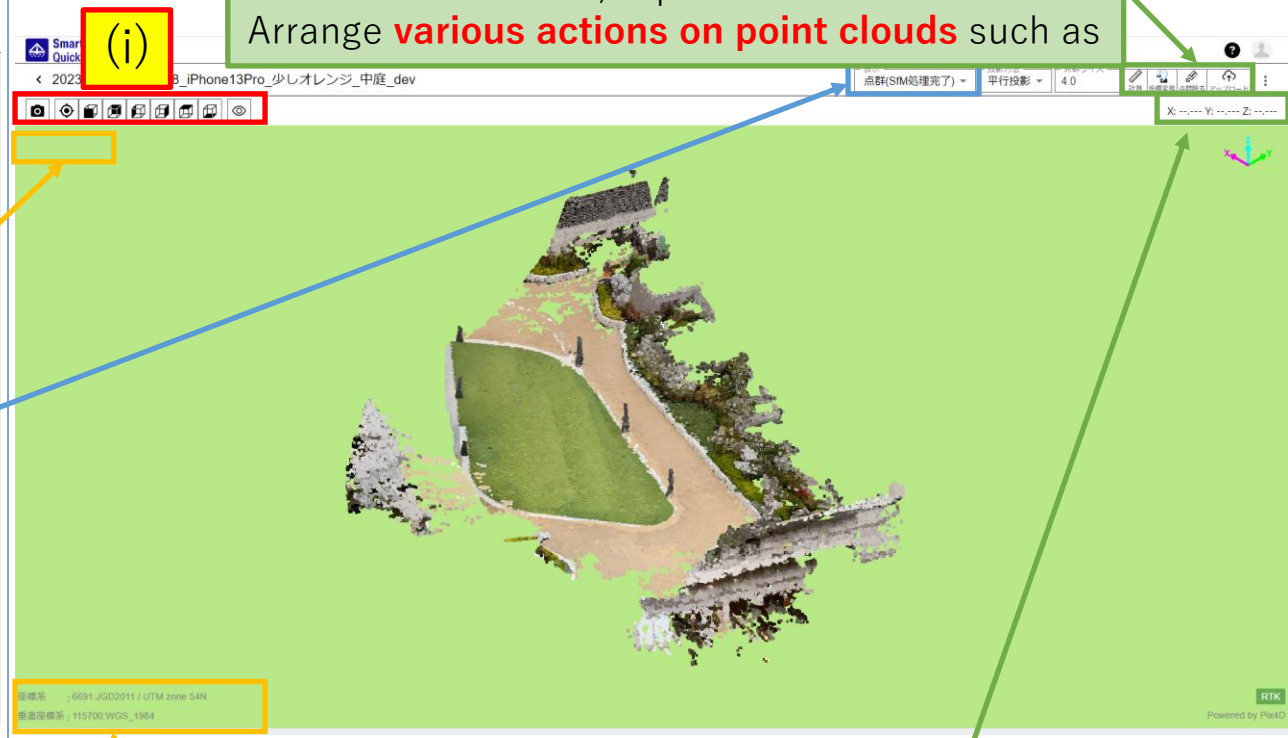
From now on, the current status (measurement, coordinate conversion, etc.) will be displayed here.

Pull down the point cloud to view format (← tab format) Changed.

New version (ver. 2.0.0)

The following procedure will be used to change viewpoints in the future. (1 click←3 clicks)
(1) Select the "Viewpoint Direction" icon
Efficiency was improved by reducing the number of clicks.

Measurement / Coordinate transformation / Point cloud removal / Upload
Arrange **various actions on point clouds** such as



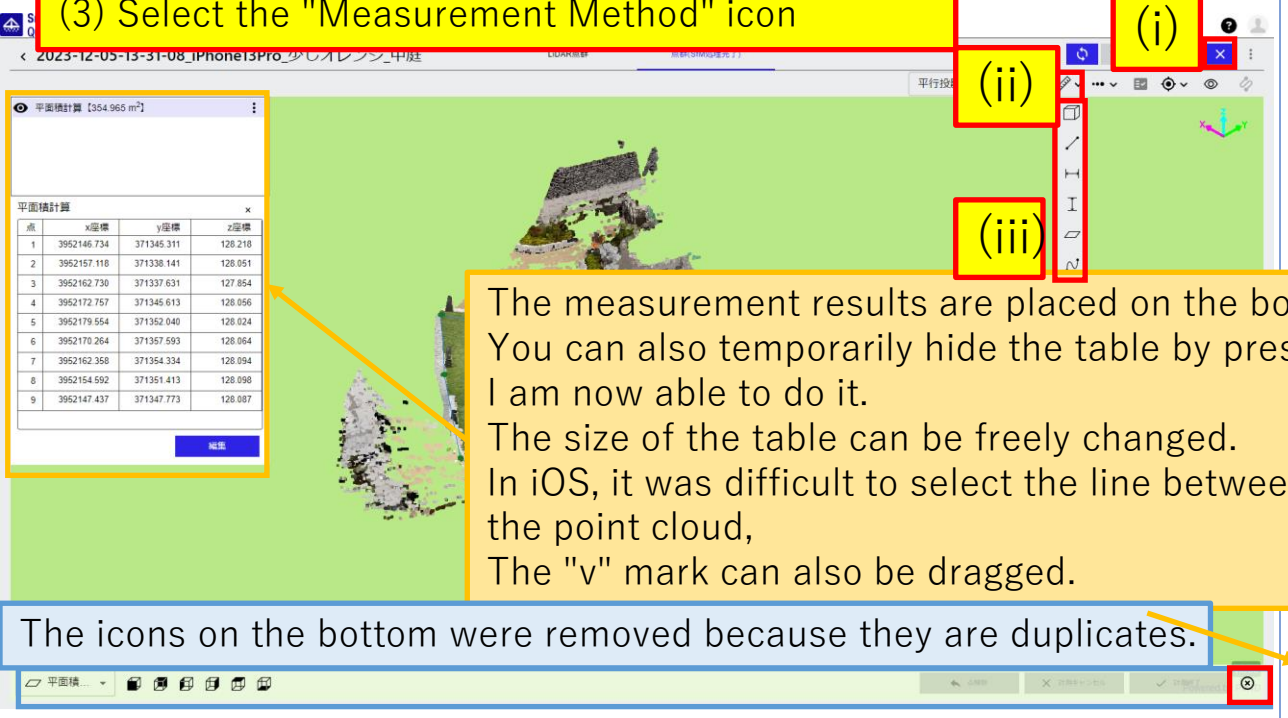
The coordinate system of the displayed point cloud is now displayed.

The XYZ of the selected point is now displayed.

Project Details (Measurement Function)

Current version (ver. 1.6.21)

The conventional measurement procedure was as follows (3 clicks)
(1) Select the "Options" icon
(2) Select the "Measure" icon
(3) Select the "Measurement Method" icon



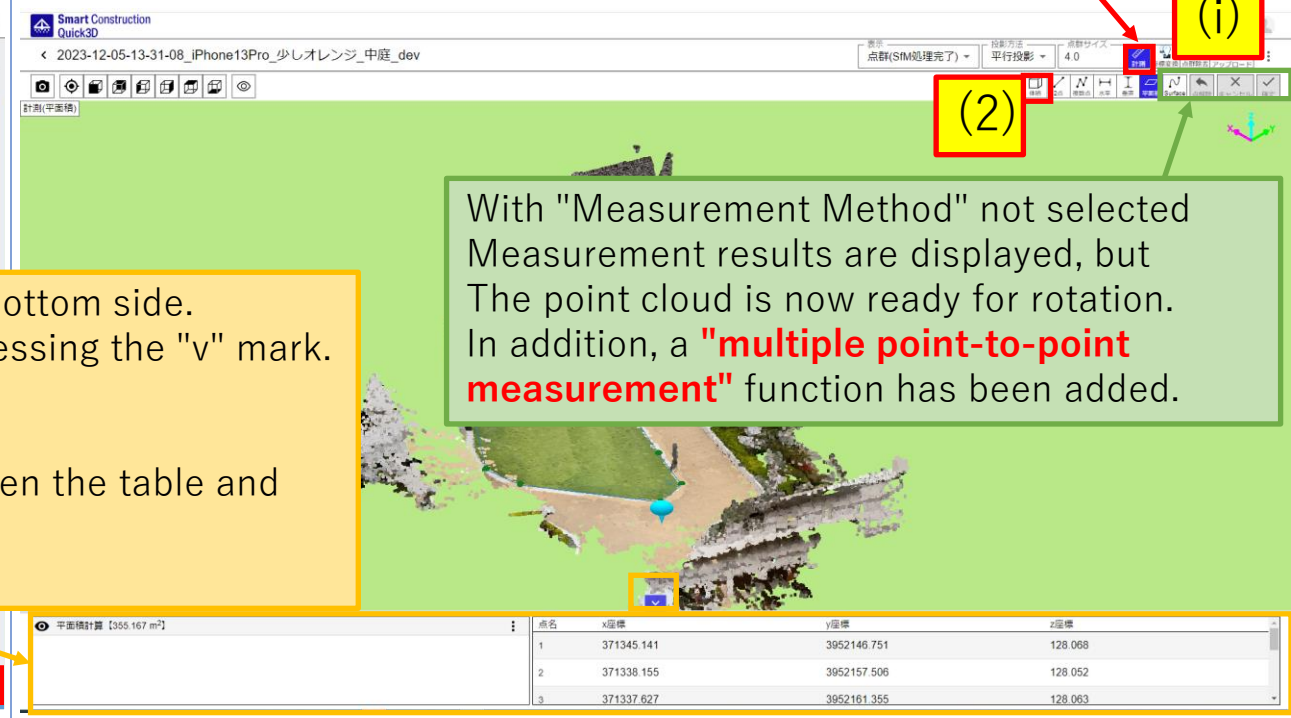
The measurement results are placed on the bottom side.
You can also temporarily hide the table by pressing the "v" mark.
I am now able to do it.
The size of the table can be freely changed.
In iOS, it was difficult to select the line between the table and the point cloud,
The "v" mark can also be dragged.

The icons on the bottom were removed because they are duplicates.

Conventionally, the ✕ button must be pressed to exit measurement mode,Pressing the ✕ button will ask "Do you want to finish the measurement?" which says
After exiting the pop-up and OKing the pop-up, I was able to get out of measurement mode.

New version (ver. 2.0.0)

The following procedure will be used for future measurements. (2 clicks←3 clicks)
(1) Select the "Measure" icon
(2) Select the "Measurement Method" icon
Efficiency was improved by reducing the number of clicks.



With "Measurement Method" not selected
Measurement results are displayed, but
The point cloud is now ready for rotation.
In addition, a **"multiple point-to-point measurement"** function has been added.

From now on, no specific operation is required to exit from the measurement mode.
By selecting the icons for coordinate transformation or point cloud removal, the desired functionality can be selected.
The use of the system will be available.

Project Details (Measurement Functions [Edit/Heatmap])

Current version (ver. 1.6.21)

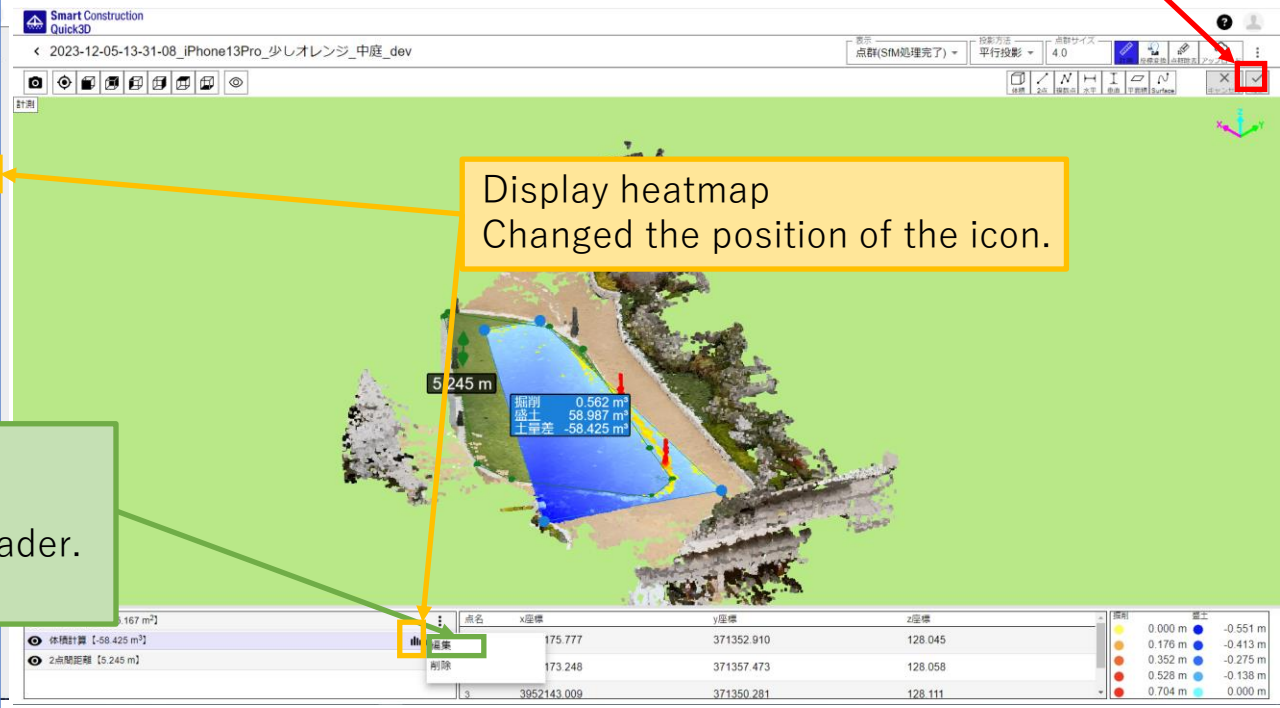
Conventionally, after pressing the "Edit" button
The display changes to a "Done" button,
By pressing the "Done" button
Exit edit mode.

Edits are made to the measurement results
In the Three-Point Leader.
Placement.

New version (ver. 2.0.0)

From now on, when you finish editing, click the "Confirm" button in the upper right corner.
Pressing this button will exit from the edit mode.

Display heatmap
Changed the position of the icon.



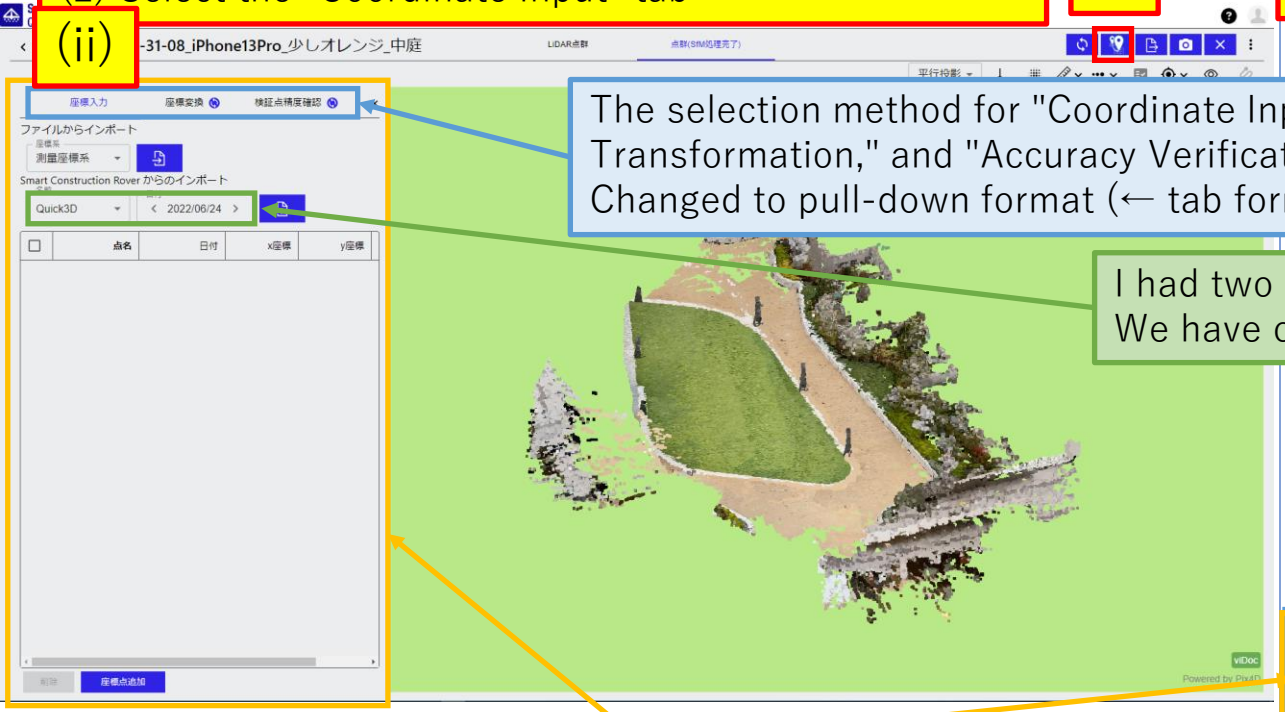
Project Details (Coordinate Transformation [Coordinate Input] Function)

Current version (ver. 1.6.21)

The following procedure was used to display conventional coordinate inputs.
(1) Select the "Coordinate Conversion" icon
(2) Select the "Coordinate Input" tab

(i)

(ii)



The selection method for "Coordinate Input," "Coordinate Transformation," and "Accuracy Verification" is as follows Changed to pull-down format (← tab format).

I had two selections.
We have combined them into one.

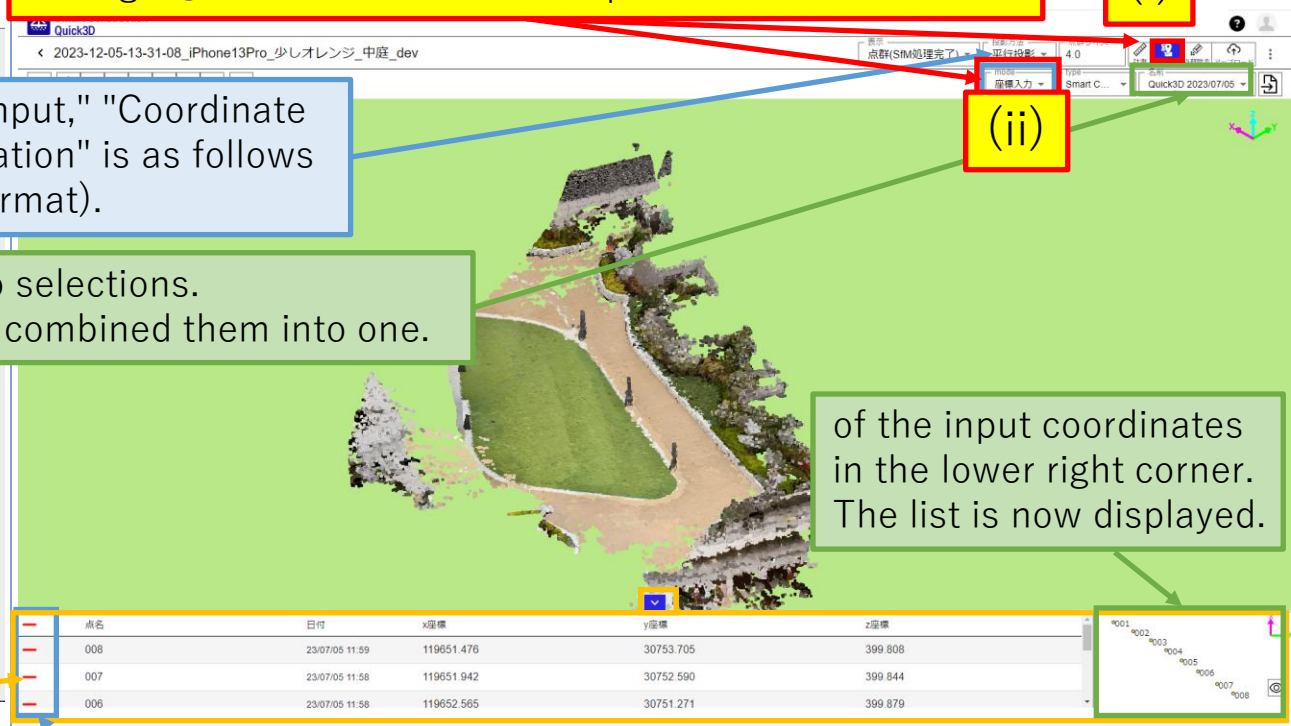
The measurement results are placed on the bottom side.
In addition, the table can be temporarily hidden by pressing the "v" mark.
The size of the table can be freely changed. The table size can be freely changed.

New version (ver. 2.0.0)

The following procedure will be used to display future coordinate inputs.
(1) Select the "Coordinate Conversion" icon
Change ②mode to "Coordinate Input

(i)

(ii)



of the input coordinates in the lower right corner.
The list is now displayed.

To enable intuitive operation,
Press "+" to add and "-" to delete.
We also decided to remove all "-" at the top.

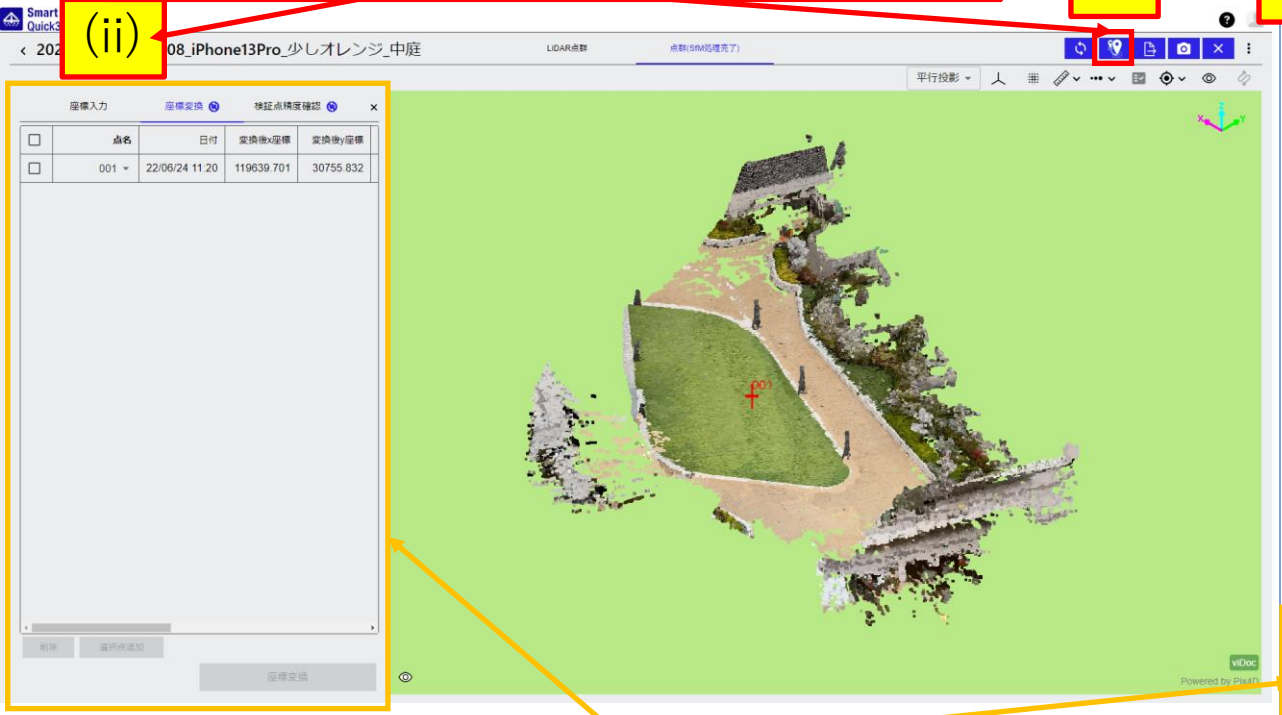
Project Details (Coordinate Transformation [Coordinate Transformation] Function)

Current version (ver. 1.6.21)

The following procedure was used to display conventional coordinate transformations.
(1) Select the "Coordinate Conversion" icon
(2) Select the "Coordinate Transformation" tab

(i)

(ii)



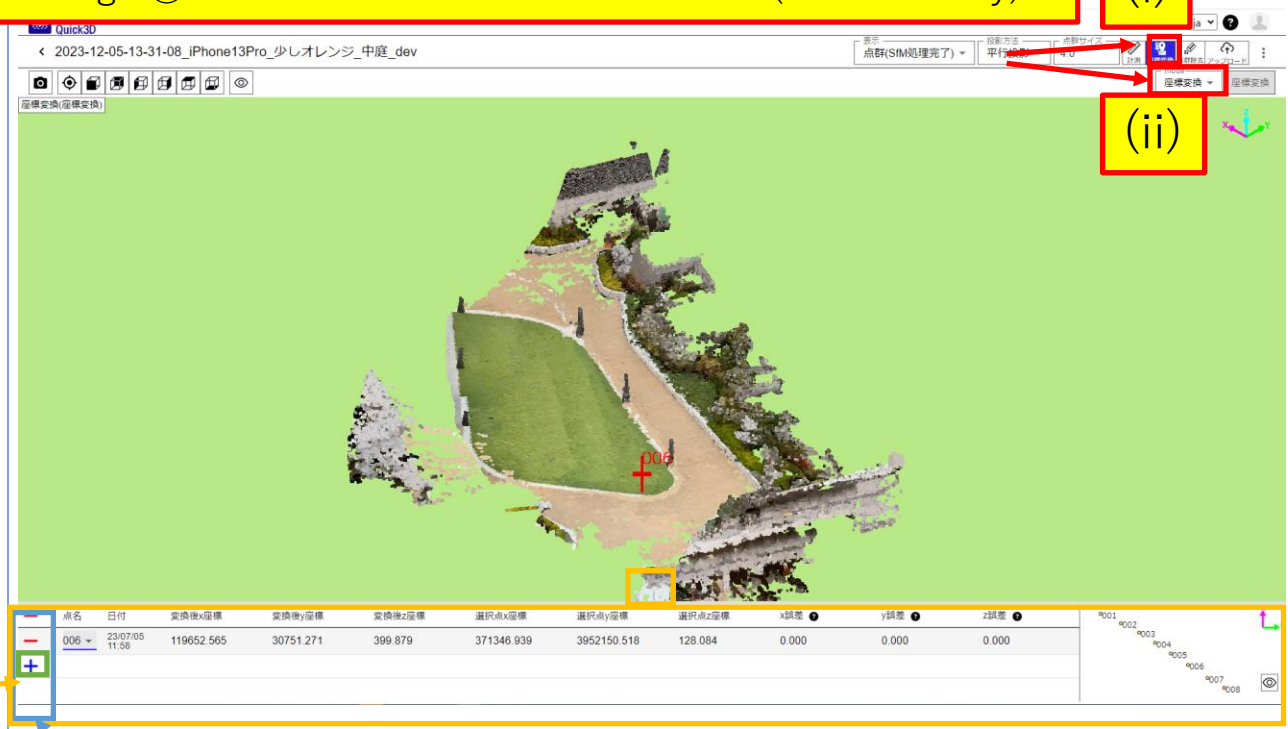
The measurement results are placed on the bottom side.
This allows almost all items to be displayed.
The table can also be temporarily hidden by pressing the "v" mark.
The size of the table can be freely changed. The table size can be freely changed.

New version (ver. 2.0.0)

The following procedure will be used to display future coordinate transformations.
(1) Select the "Coordinate Conversion" icon
Change ②mode to "Coordinate Conversion" (*if necessary)

(i)

(ii)



To enable intuitive operation,
Press "+" to add and "-" to delete.
We also decided to remove all "-" at the top.

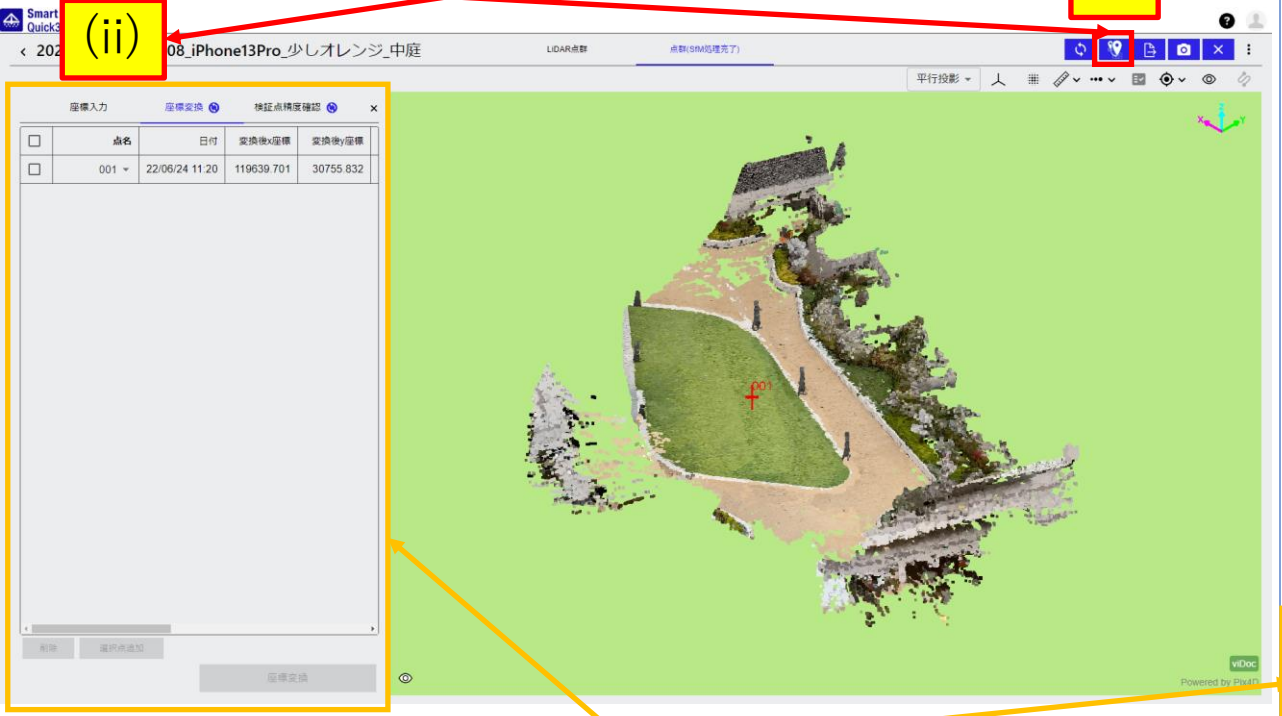
Project Details (Coordinate Transformation [Accuracy Verification] Function)

Current version (ver. 1.6.21)

The following procedure was used to display the conventional accuracy verification.
(1) Select the "Coordinate Conversion" icon
(2) Select the "Accuracy Verification" tab

(i)

(ii)



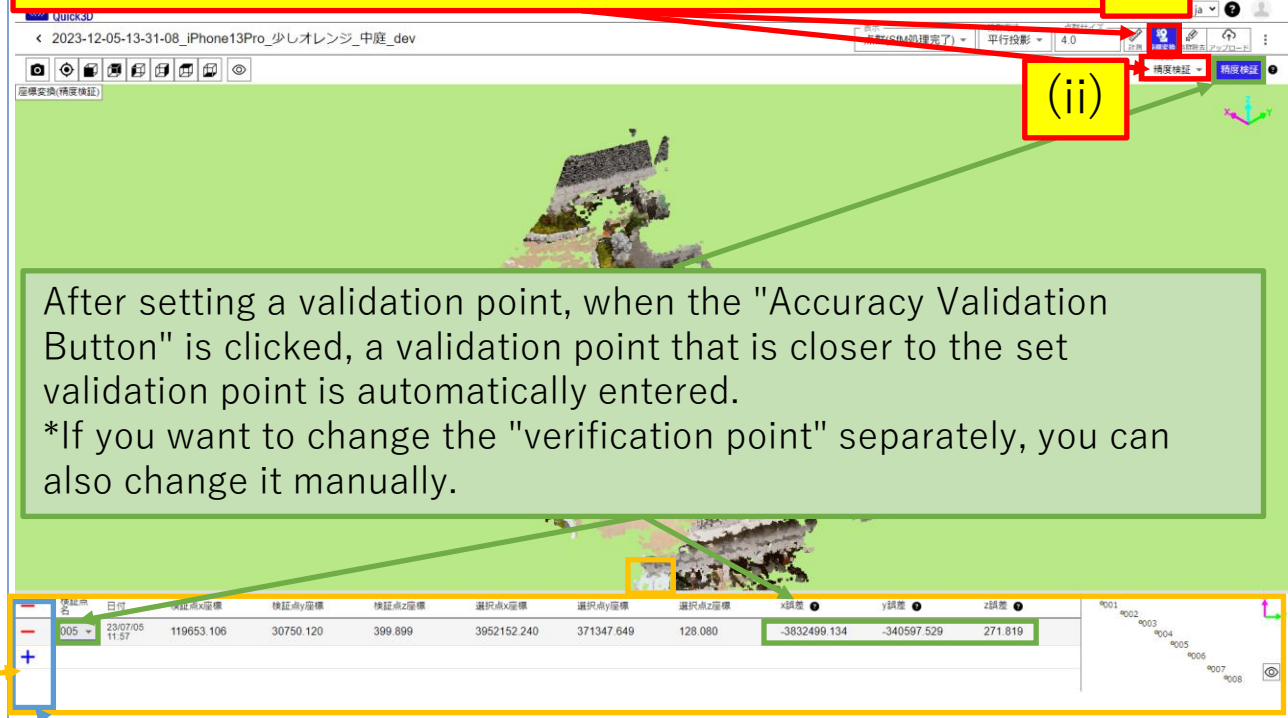
The measurement results are placed on the bottom side.
This allows almost all items to be displayed.
The table can also be temporarily hidden by pressing the "v" mark.
The size of the table can be freely changed. The table size can be freely changed.

New version (ver. 2.0.0)

The following procedure will be used to display future accuracy verifications.
(1) Select the "Coordinate Conversion" icon
(2) Change MODE to "Accuracy Verification" (*if necessary)

(i)

(ii)



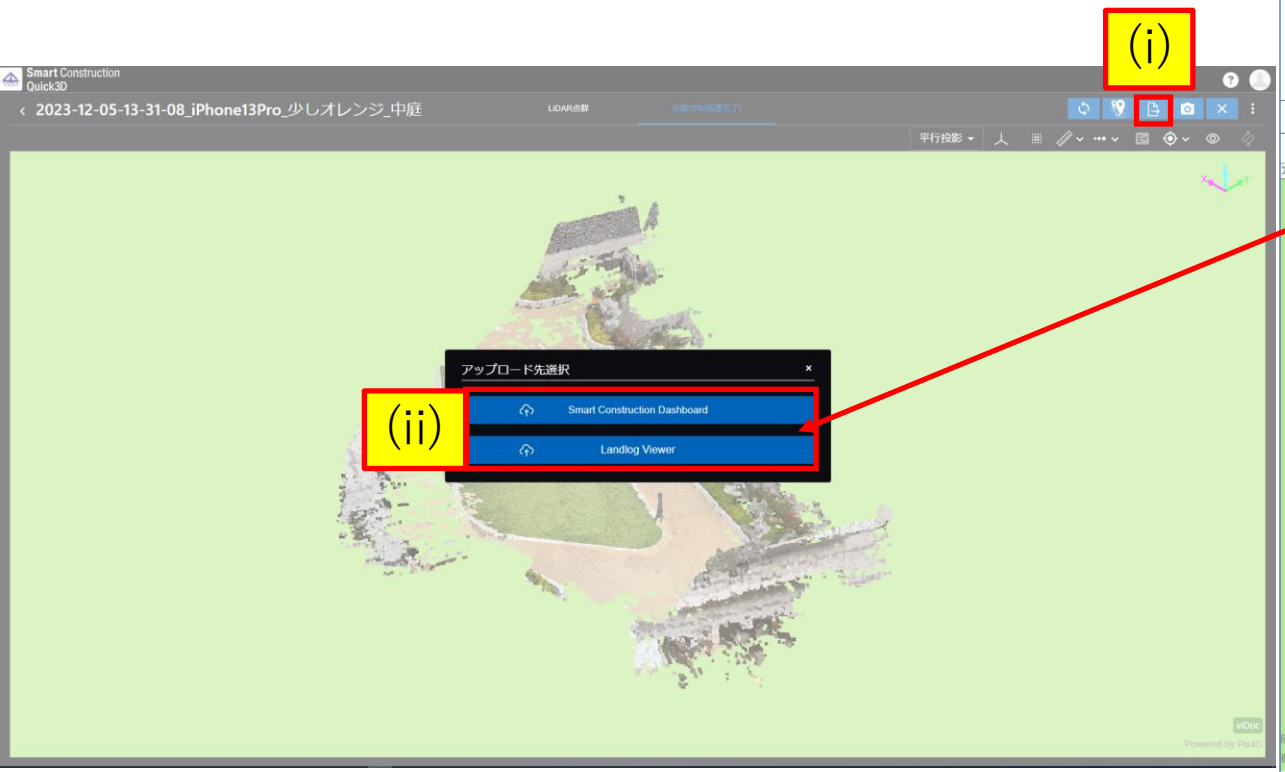
After setting a validation point, when the "Accuracy Validation Button" is clicked, a validation point that is closer to the set validation point is automatically entered.
*If you want to change the "verification point" separately, you can also change it manually.

To enable intuitive operation,
Press "+" to add and "-" to delete.
We also decided to remove all "-" at the top.

Project Details (Upload Function)

Current version (ver. 1.6.21)

The conventional uploading procedure was as follows
(1) Select the "Upload" icon
(2) Select "Select Upload Destination



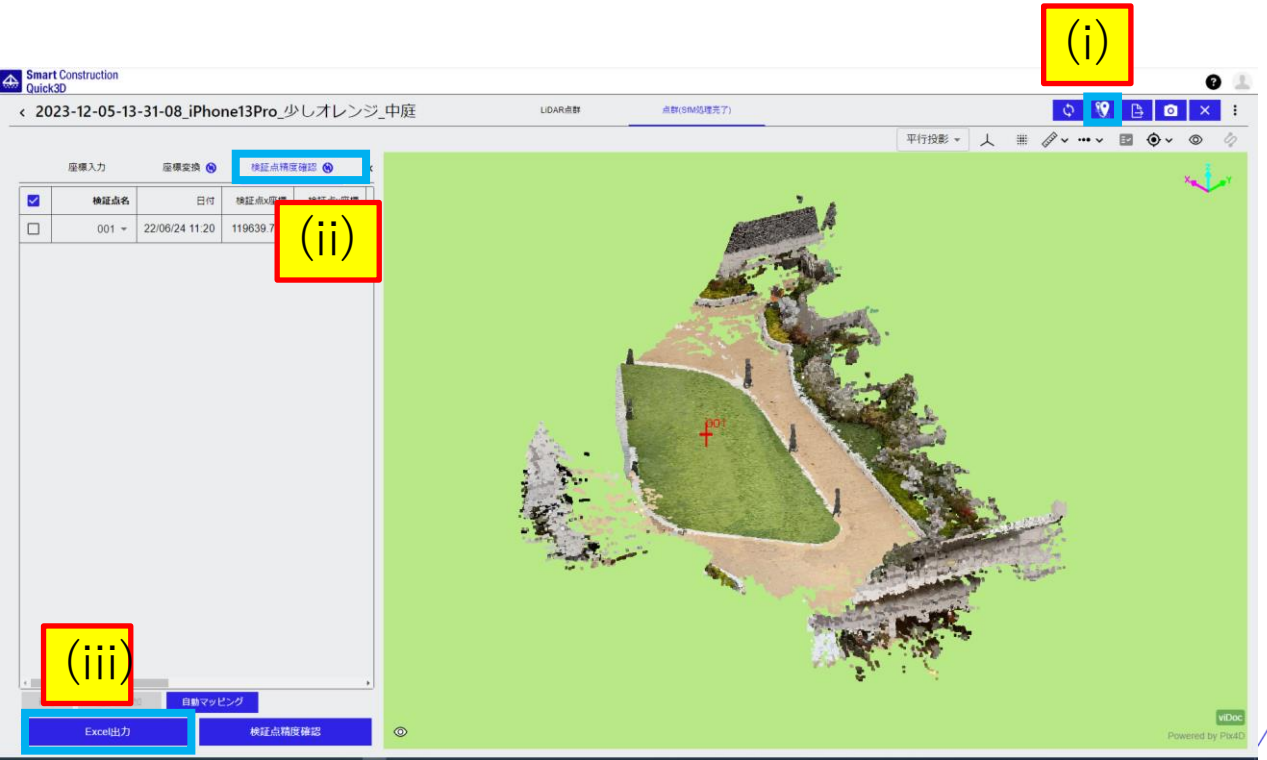
New version (ver. 2.0.0)

Future uploads will follow the procedure below.
(1) Select the "Upload" icon
(2) Select "Select Upload Destination
The procedure is the same, though,
Unify the upload screens to SC Dashboard and LLV at the top,
The "Upload" icon has been changed.

Project Details (Accuracy Verification Result Output Function)

Current version (ver. 1.6.21)

The following procedure was used to output the conventional accuracy verification report.
(1) Select the "Coordinate Conversion" icon
(2) Select the "Accuracy Verification" tab
(3) Select the "Excel Output" button



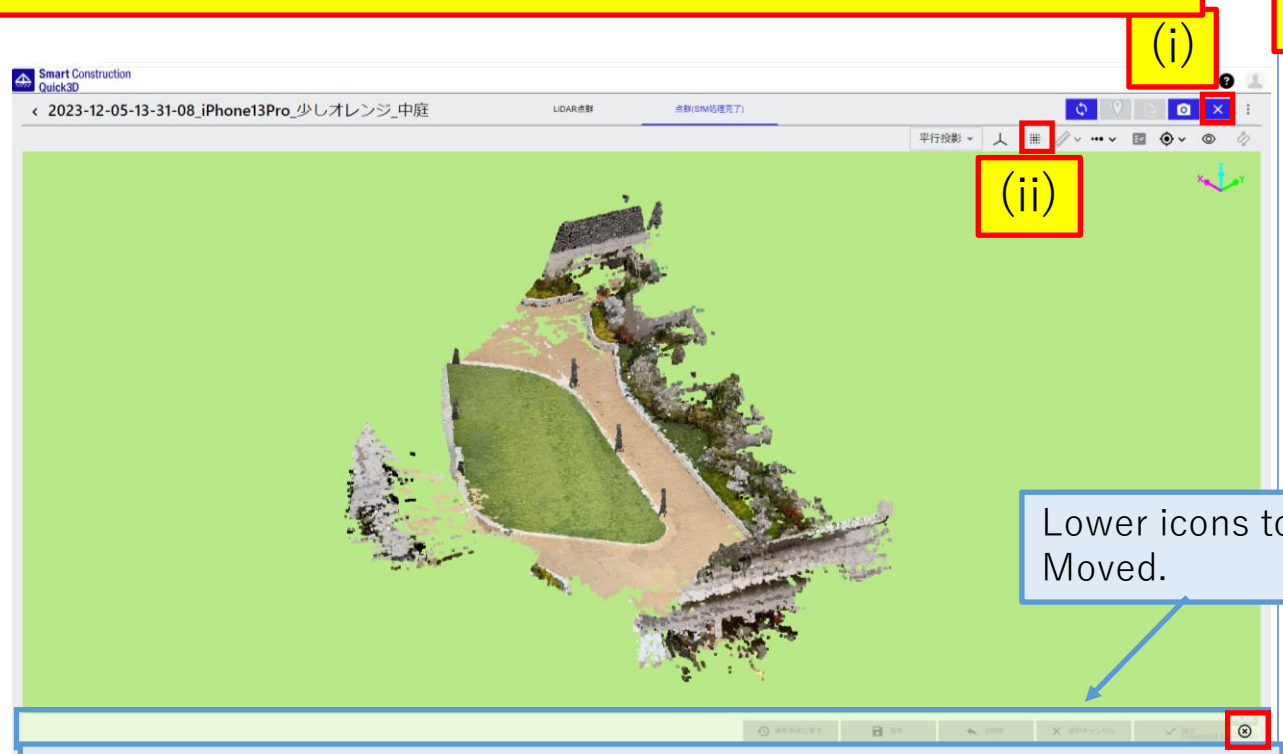
New version (ver. 2.0.0)

The following procedure will be used to output future accuracy verification reports.
(1) Select "Three Point Reader
(2) Select "Export
(3) After selecting "Accuracy Verification", select "Export".

Project Details (Point Cloud Removal Function)

Current version (ver. 1.6.21)

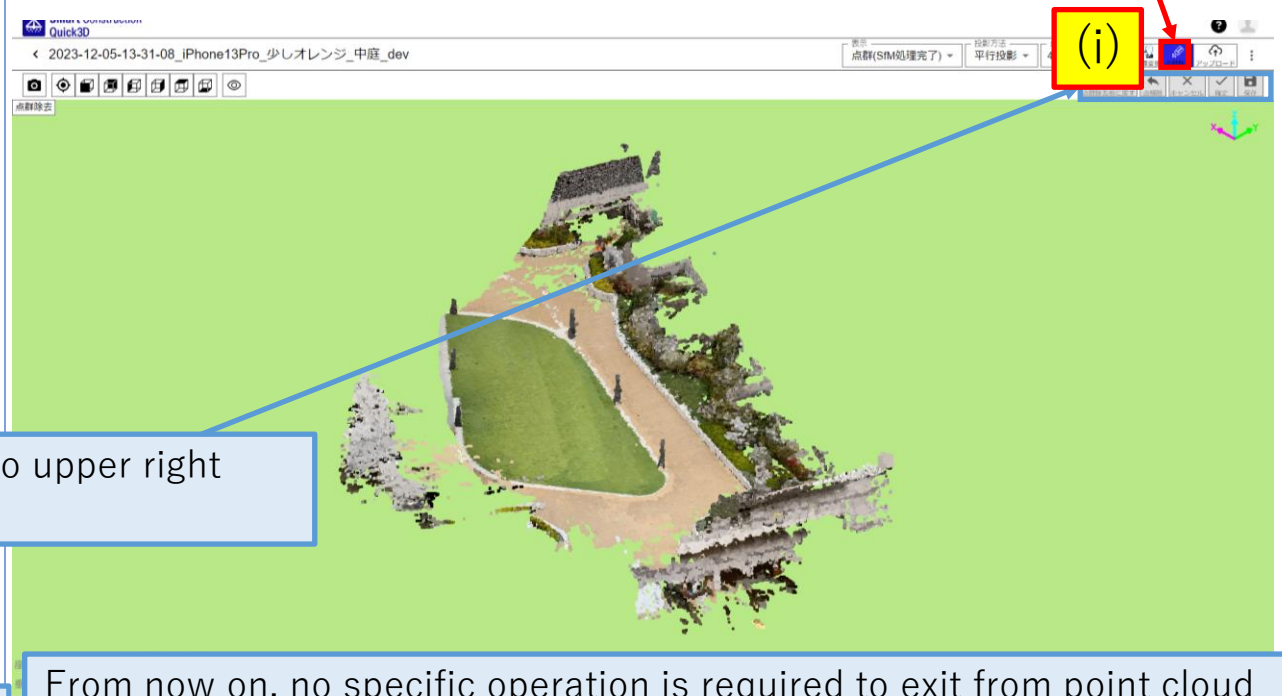
The following procedure was used for conventional point cloud removal. (2 clicks)
(1) Select the "Options" icon
(2) Select the "Point Cloud Removal" icon
Point cloud removal could not be performed on iOS (iPhone, iPad).



Conventionally, the ✕ button must be pressed to exit point cloud removal mode,Pressing the ✕ button will ask “Do you want to finish point cloud removal?” which says After exiting the pop-up and OKing the pop-up, I was able to exit point cloud removal mode.

New version (ver. 2.0.0)

The following procedure will be used for future measurements. (1 click←2 clicks)
(1) Select the "Point Cloud Removal" icon
<u>Efficiency was improved by reducing the number of clicks.</u>
In addition, the point cloud removal icon has been changed.
Point cloud removal is now available on iOS (iPhone, iPad).



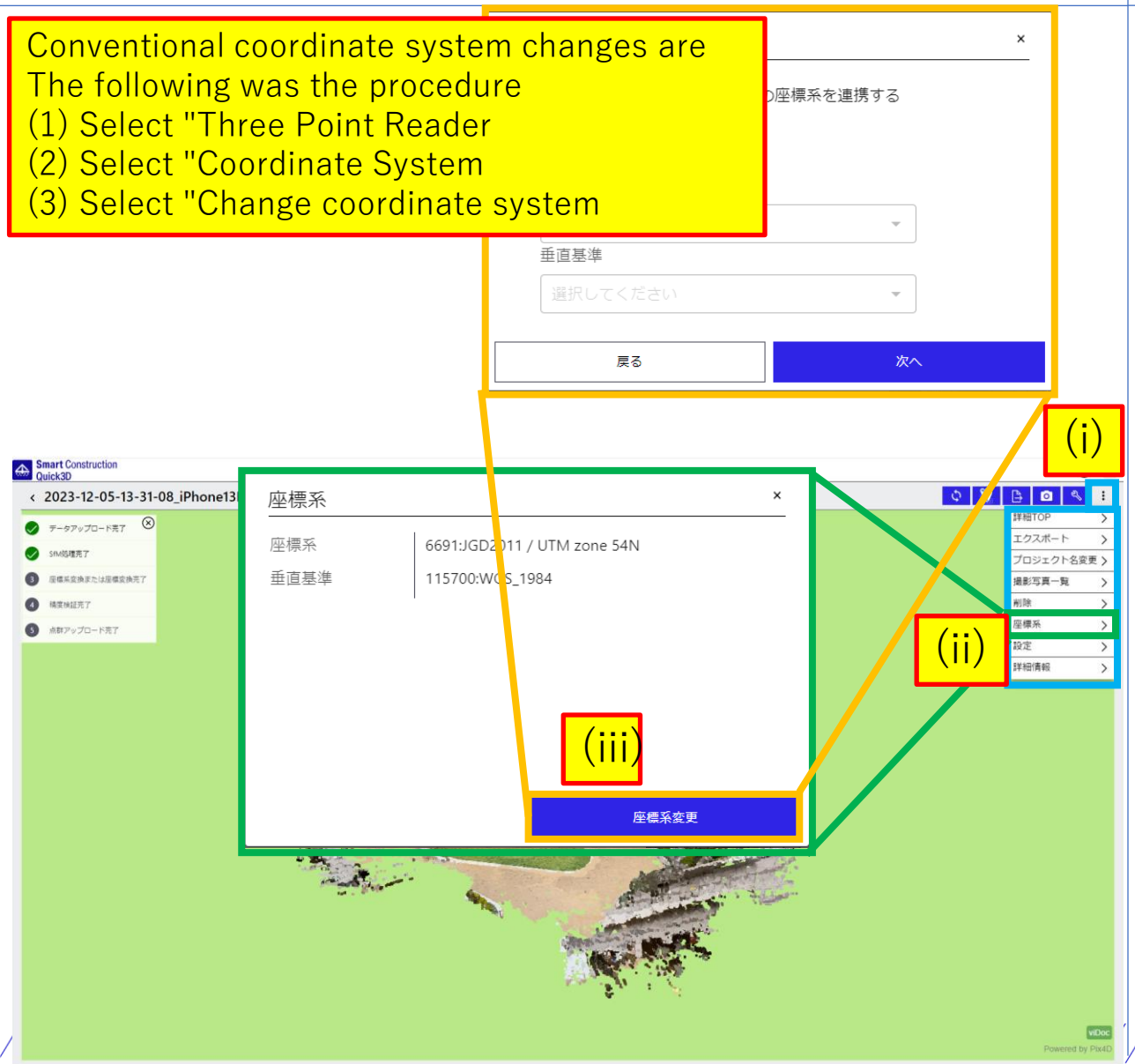
Lower icons to upper right Moved.

From now on, no specific operation is required to exit from point cloud removal mode.
By selecting the measurement or coordinate transformation icon, the desired function
It will be available for use.

Project Details (Coordinate System Conversion Function)

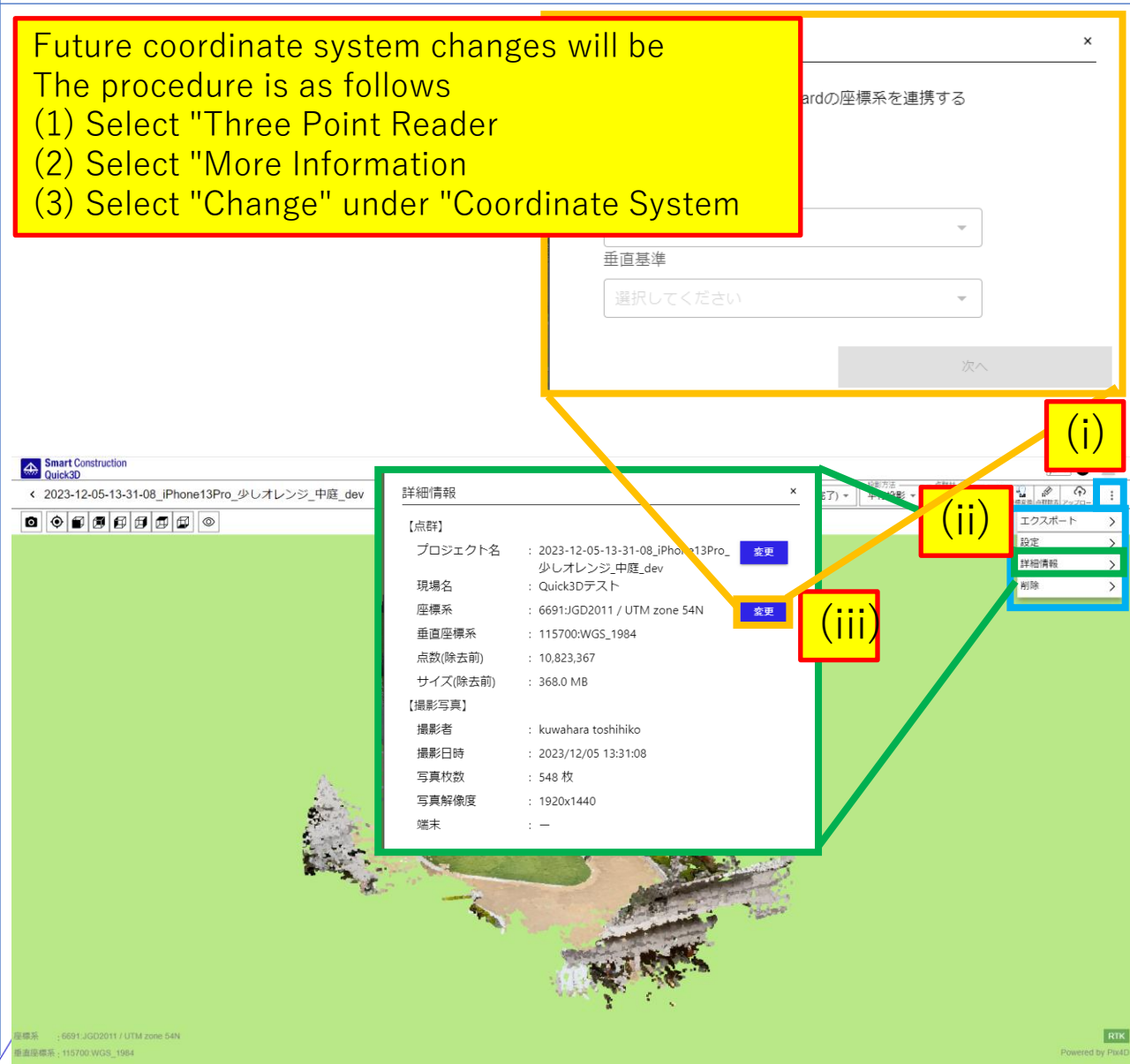
Current version (ver. 1.6.21)

Conventional coordinate system changes are
The following was the procedure
(1) Select "Three Point Reader
(2) Select "Coordinate System
(3) Select "Change coordinate system



New version (ver. 2.0.0)

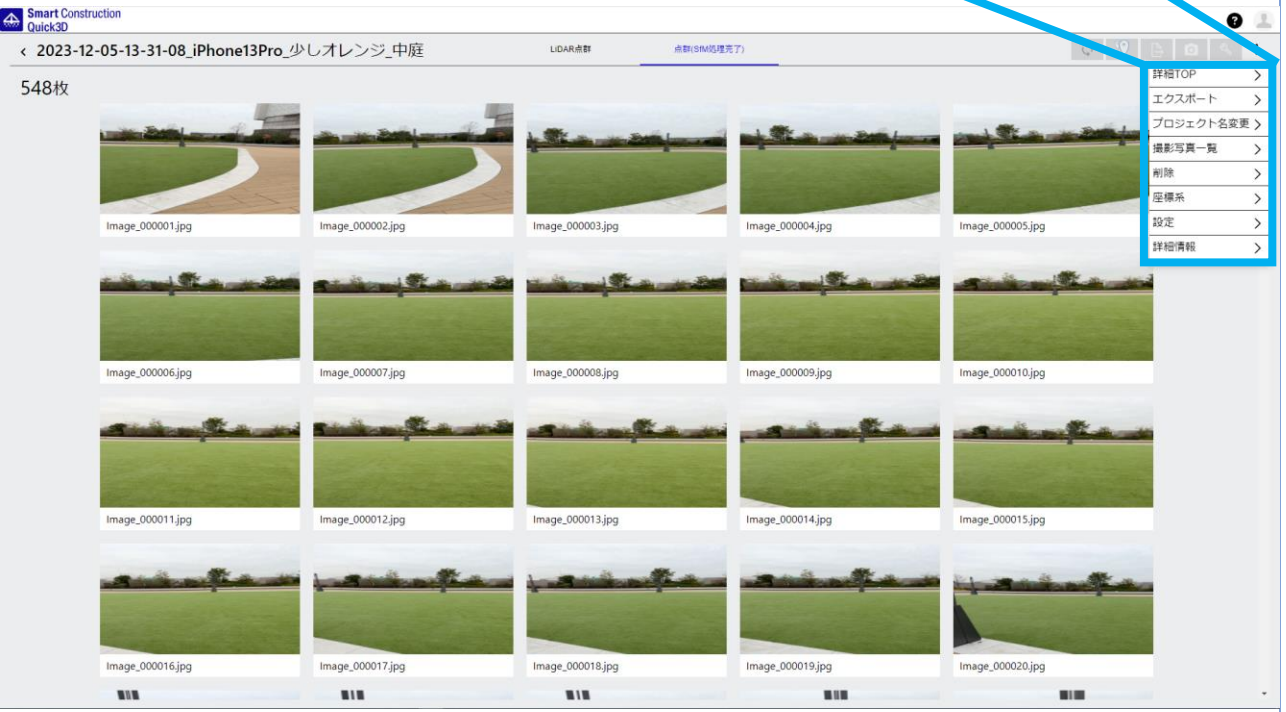
Future coordinate system changes will be
The procedure is as follows
(1) Select "Three Point Reader
(2) Select "More Information
(3) Select "Change" under "Coordinate System



Project details (photo viewing function)

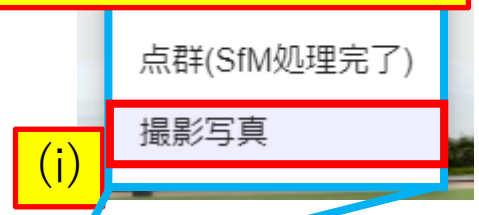
Current version (ver. 1.6.21)

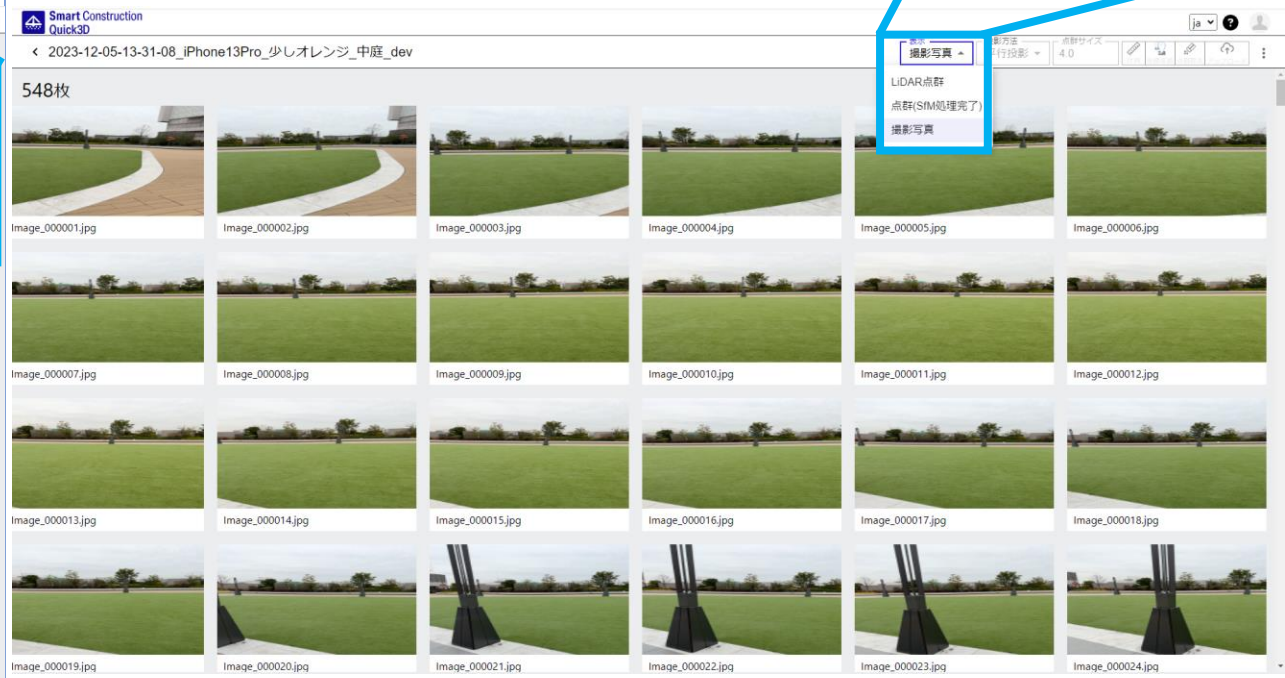
Conventional coordinate system changes are
The following was the procedure (2 clicks)
(1) Select "Three Point Reader
(2) Select "List of Photos Taken

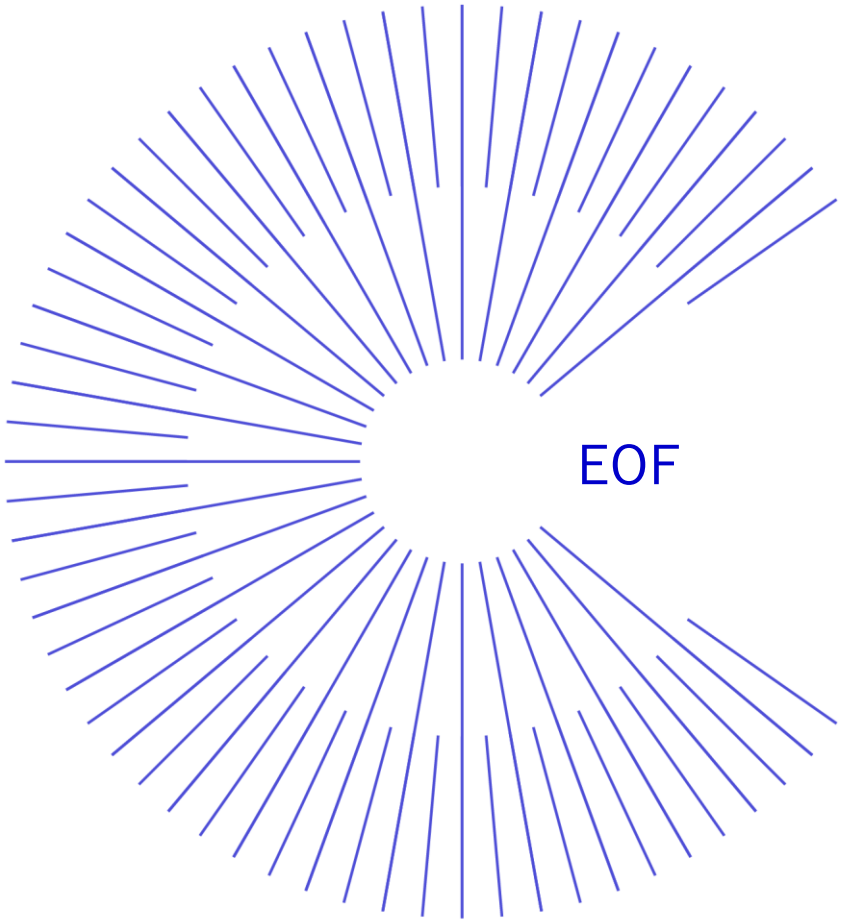


The following procedure will be used to display photos taken in the future.
(1 click←2 clicks)
(1) Display changed to "Photographs taken

<u>Efficiency was improved by reducing the number of clicks.</u>



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