

Smart Construction Fleet Release Note

App Ver : **5.7.0**

Scheduled Release(tentative) : **July 9th (Tuesday), 18:00 to 19:00 (JST)**

We are planning to release new features for Smart Construction Fleet.

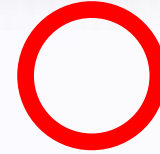
※Please note that we will not be releasing this update for the Classic version this time.



クラシック版



Smart Construction Fleet



<<The feature that was present in the Classic version>>

- [Web] Recalculation feature for automatic work history
- [Web] Integration with SC Portal

<<The feature to be added this time>>

- [Web] Option to hide map object labels in the real-time viewer
- [Web] Intuitive correction feature for errors in automatic work history
- [Web] Feature to edit the history on the map settings and overwrite the automatic work history
- [Mobile] Option to change information from the last login
- [Mobile] Modification to provide approaching vehicle notifications even in the background

The mobile app is scheduled for store release on Monday, July 8th.

※The timing of the mobile app's store release may vary depending on the review process.

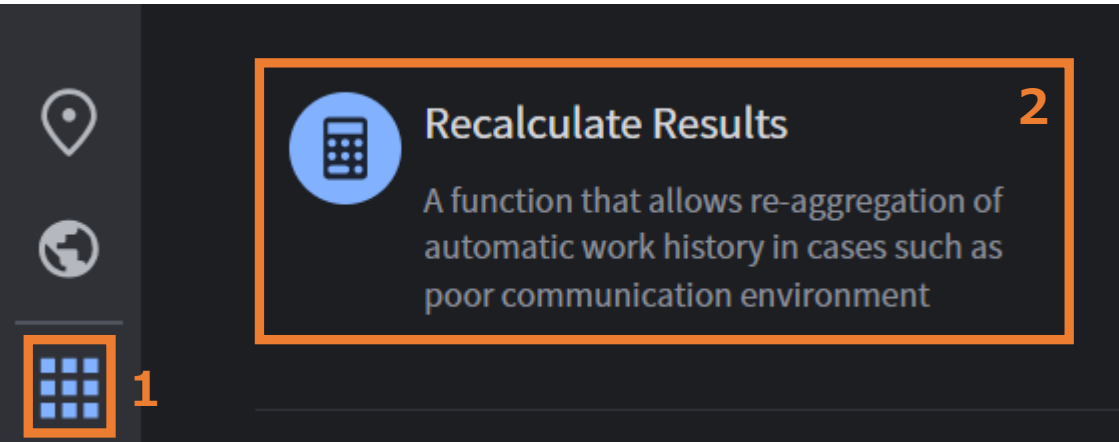
During operations at active sites, please note the following partial restrictions:

Web or Mobile	Influence
Web	Cannot log in
Web	If you are logged in on the mobile app or dedicated device, an error will occur at the next server access.
Web	In the Real-time viewer , an error will be displayed.
Mobile	Cannot log in
Mobile	When logged in, an error occurs when attempting to retrieve the location information of other vehicles on the map.
Mobile	An error occurs when switching tabs.
Mobile	During server downtime, location information is stored on the device. Once the server is back online, the stored location information will be sent out gradually.
Mobile	Detection of entry into alert points operates normally.
Mobile	Detection of entry into workplace and approaching notification is not functioning properly.

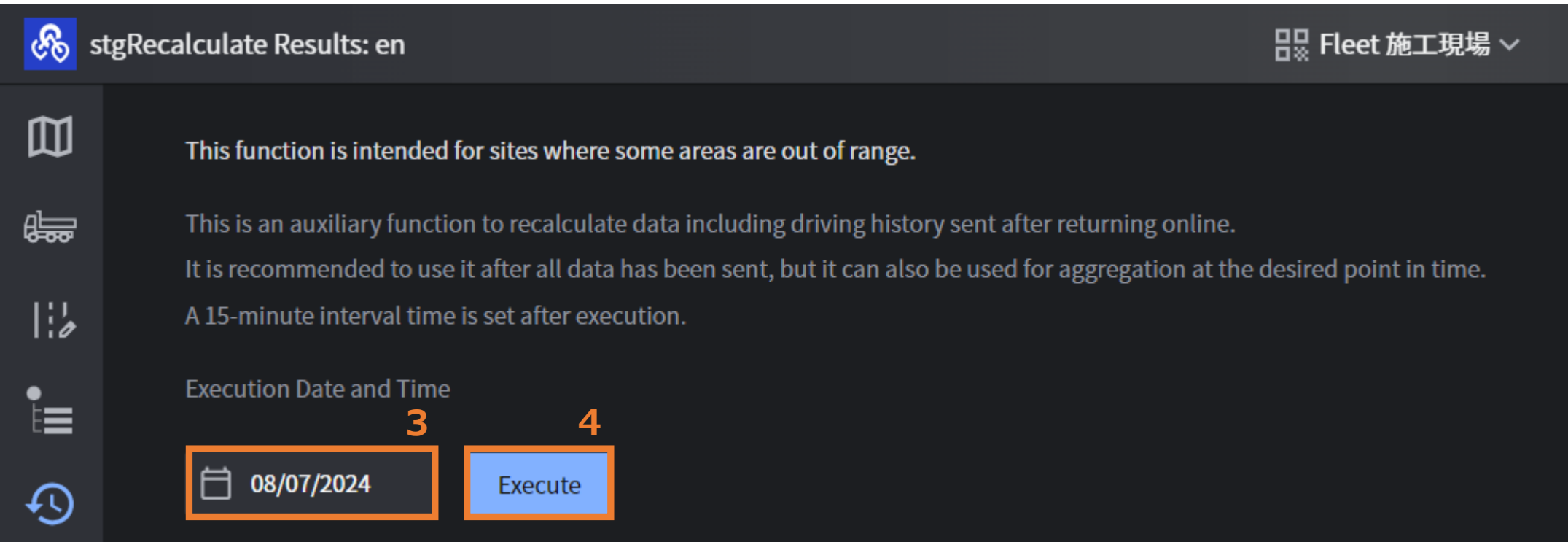
Scheduled Release (tentative) : July 9th (Tuesday), 18:00 to 19:00 (JST)



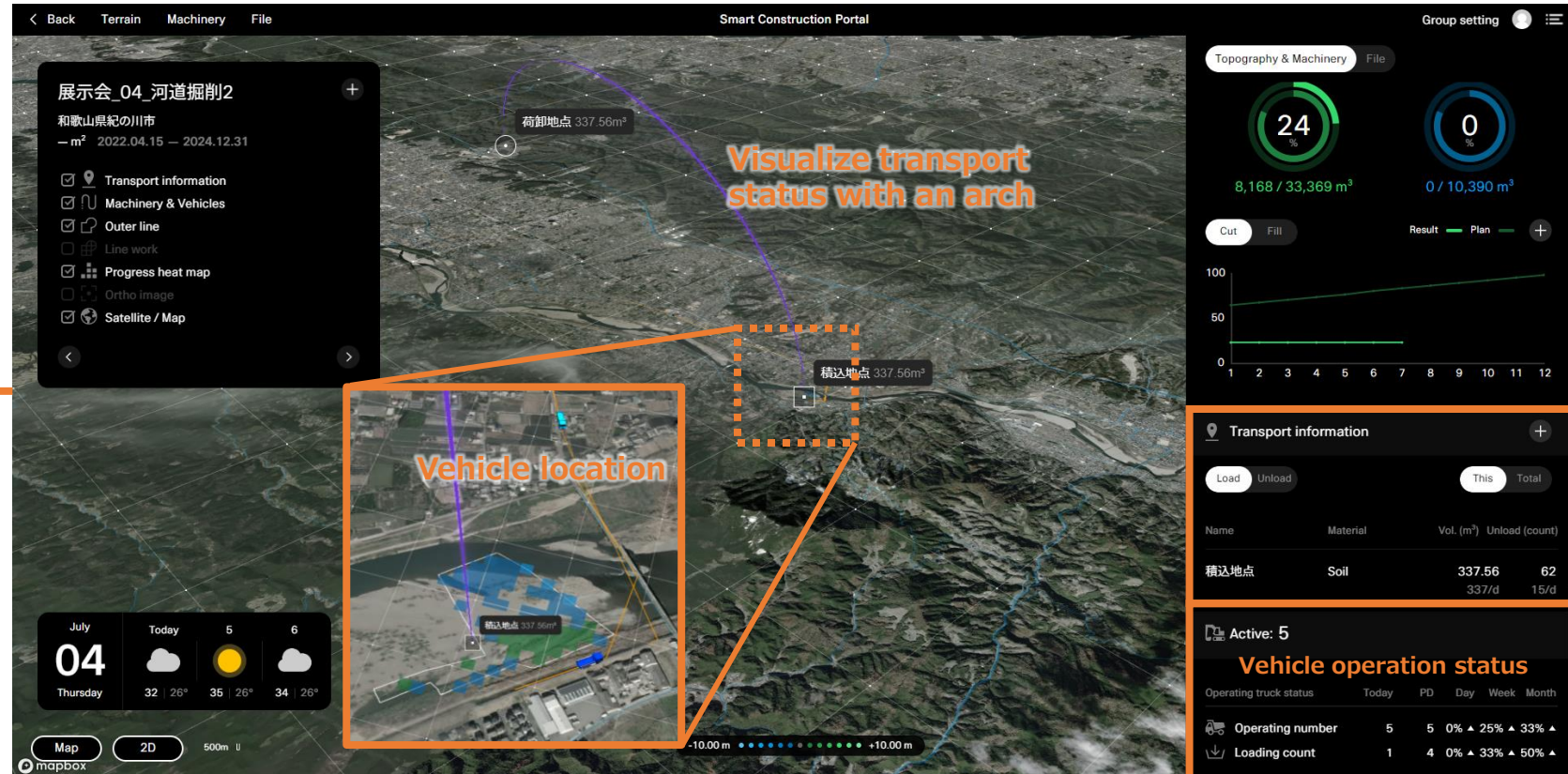
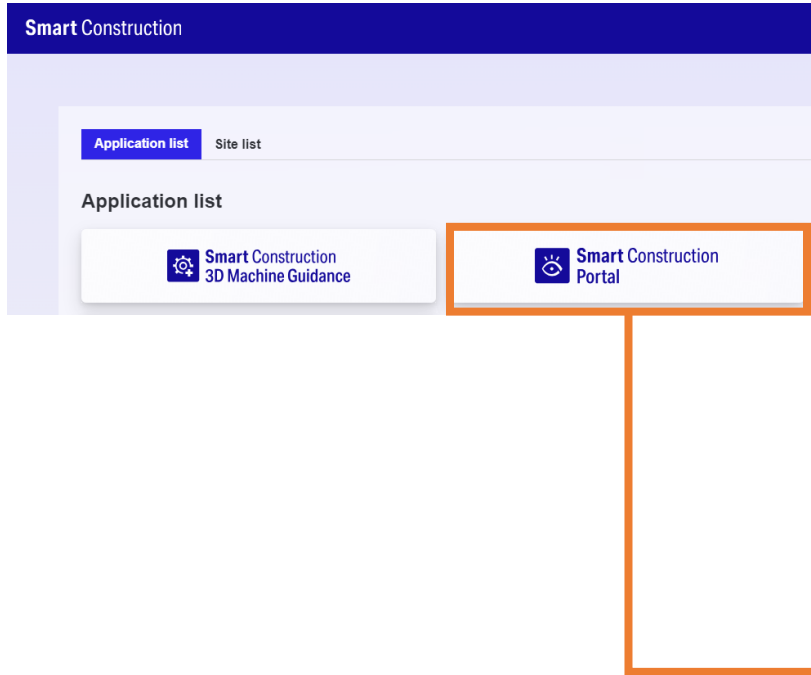
Additional Features/Changes (Web)



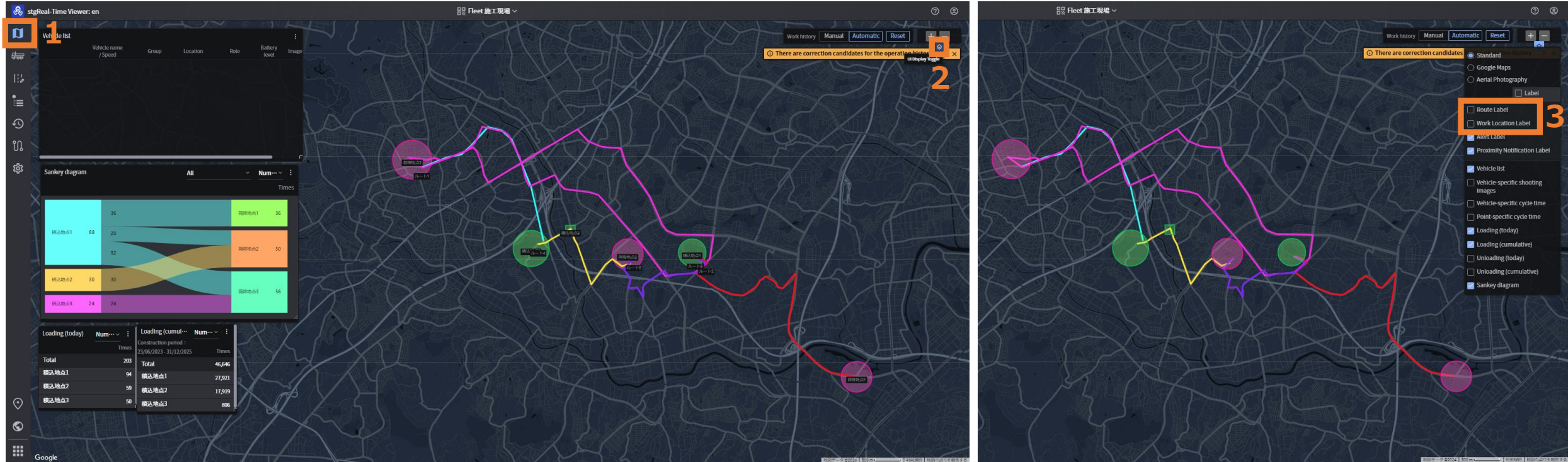
1. Click on “Global Navigation”
2. Click on “Recalculate Results”
3. Select a date
4. Click on “Execute”



Integrate and display location and transport information obtained from Fleet in the Portal.



Implemented a feature to hide labels for map objects (routes, workplace, alerts, approach notifications) because labels can make vehicle icons difficult to see during login.



1. Click on "Real-time Viewer"
2. Click on "UI Display Toggle"
3. Uncheck the labels you want to hide
Labels that are turned OFF will be hidden.
The state of the checkboxes will be saved for each browser.

Support for both manual and automatic counting.

You can access the correction screen using one of the following methods.

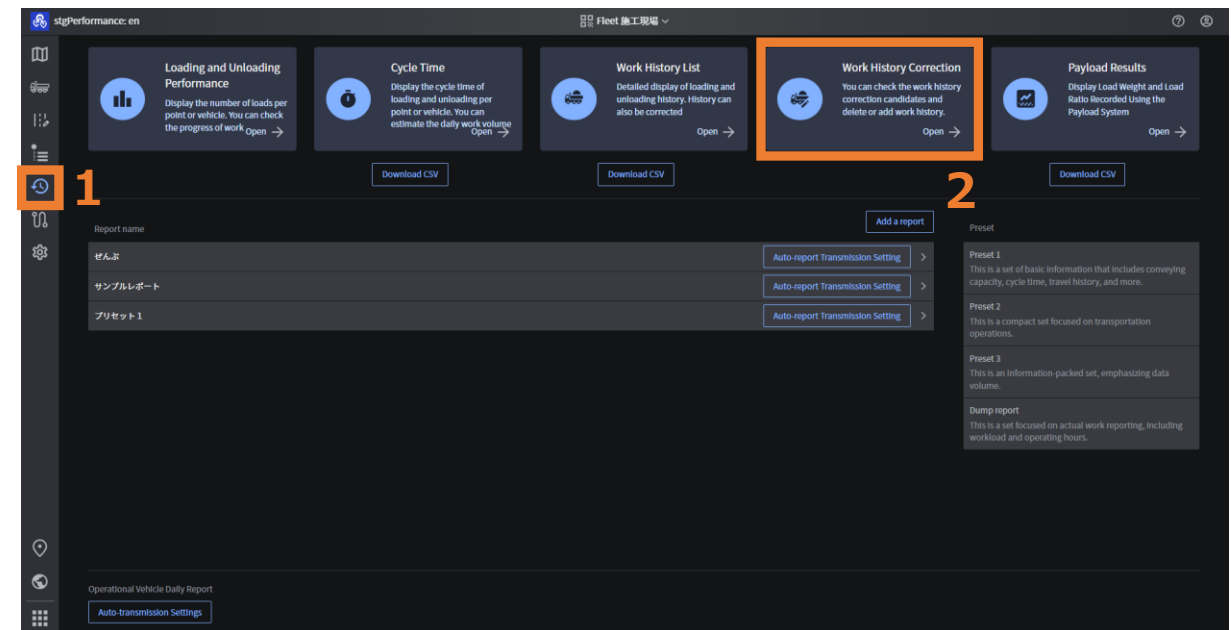
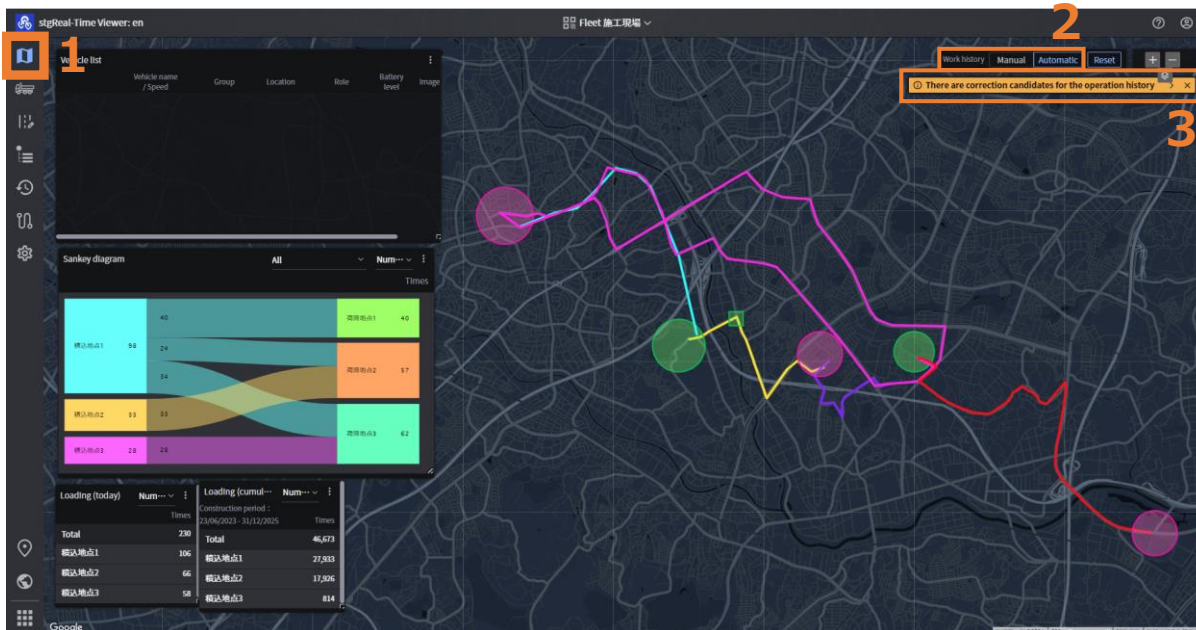
【Access from Real-time Viewer】

1. Click on "Real-time Viewer"
2. Check whether the 'Manual' or 'Automatic' work history is being displayed.
3. Click on "There are correction suggestions for the operation history".
 - When loading → loading or unloading → unloading, and the same type of work is performed consecutively
 - When unloading work is recorded at the beginning of the day
 - When loading work is recorded at the end of the day

A notification will be displayed in any of the above cases.

【Access from Performance menu】

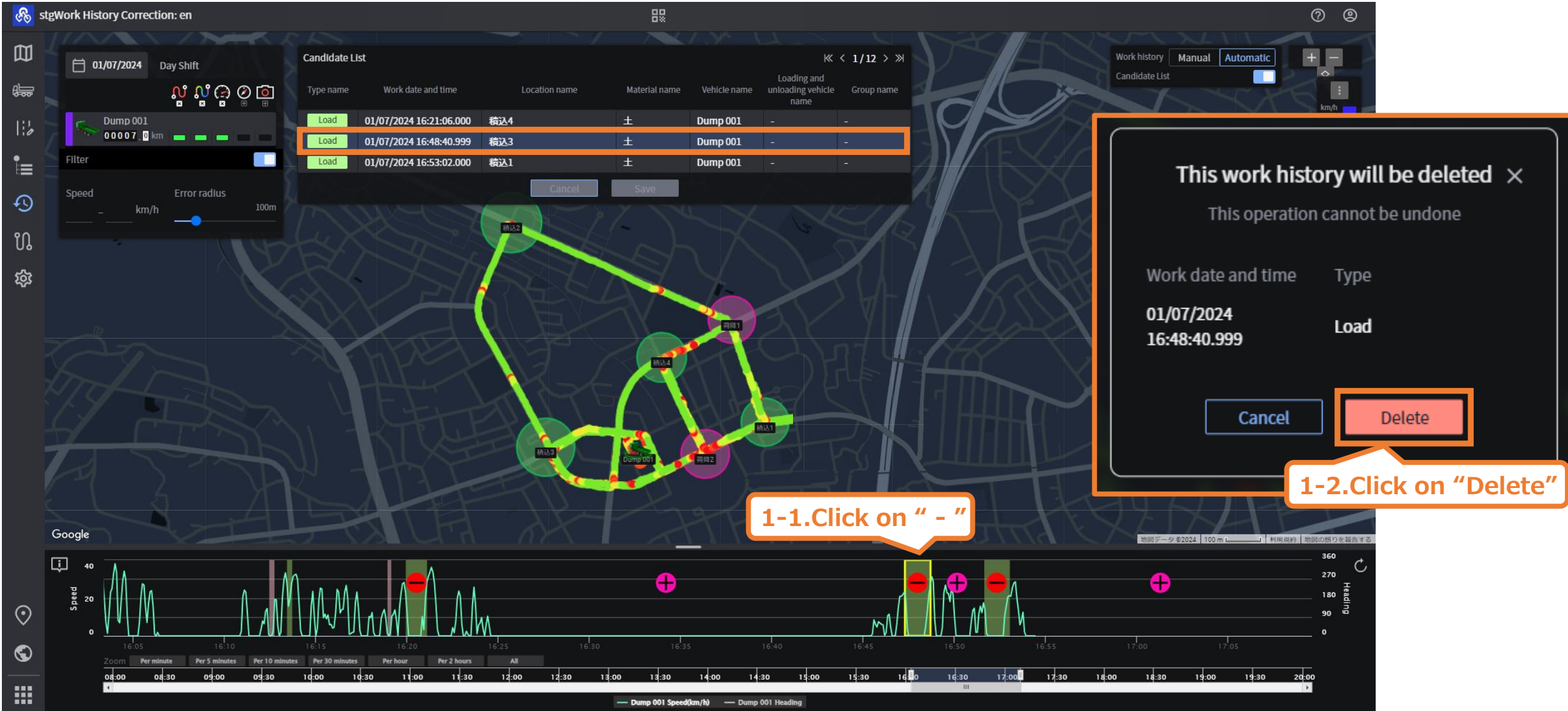
1. Click on "Performance"
2. Click on "Work history Correction"



You can review each correction suggestion one by one, and either remove duplicate counts or add missing counts.



[Correction Example (1/4)] Delete duplicate loading count - Delete the loading history at **16:48:40**.



The screenshot displays the 'stgWork History Correction: en' interface. On the left, a sidebar shows the date '01/07/2024' and a 'Day Shift' filter. Below this, a 'Filter' section includes a 'Speed' slider and an 'Error radius' of 100m. The main area features a map with a green route and several points labeled '確認1' through '確認4'. A 'Candidate List' table is overlaid on the map, showing a list of work history entries. The entry at '01/07/2024 16:48:40.999' is highlighted with an orange border. A 'Delete' button is visible next to this entry. A confirmation dialog box is open on the right, titled 'This work history will be deleted', with a warning that 'This operation cannot be undone'. The dialog shows the work date and time '01/07/2024 16:48:40.999' and the type 'Load'. It includes 'Cancel' and 'Delete' buttons. An orange callout box points to the 'Delete' button with the text '1-2. Click on "Delete"'. Another orange callout box points to the minus sign icon in the top right of the map area with the text '1-1. Click on " - "'.

Candidate List

Type name	Work date and time	Location name	Material name	Vehicle name	Loading and unloading vehicle name	Group name
Load	01/07/2024 16:21:06.000	確認4	土	Dump 001	-	-
Load	01/07/2024 16:48:40.999	確認3	土	Dump 001	-	-
Load	01/07/2024 16:53:02.000	確認1	土	Dump 001	-	-

Work history will be deleted ×

This operation cannot be undone

Work date and time: 01/07/2024 16:48:40.999

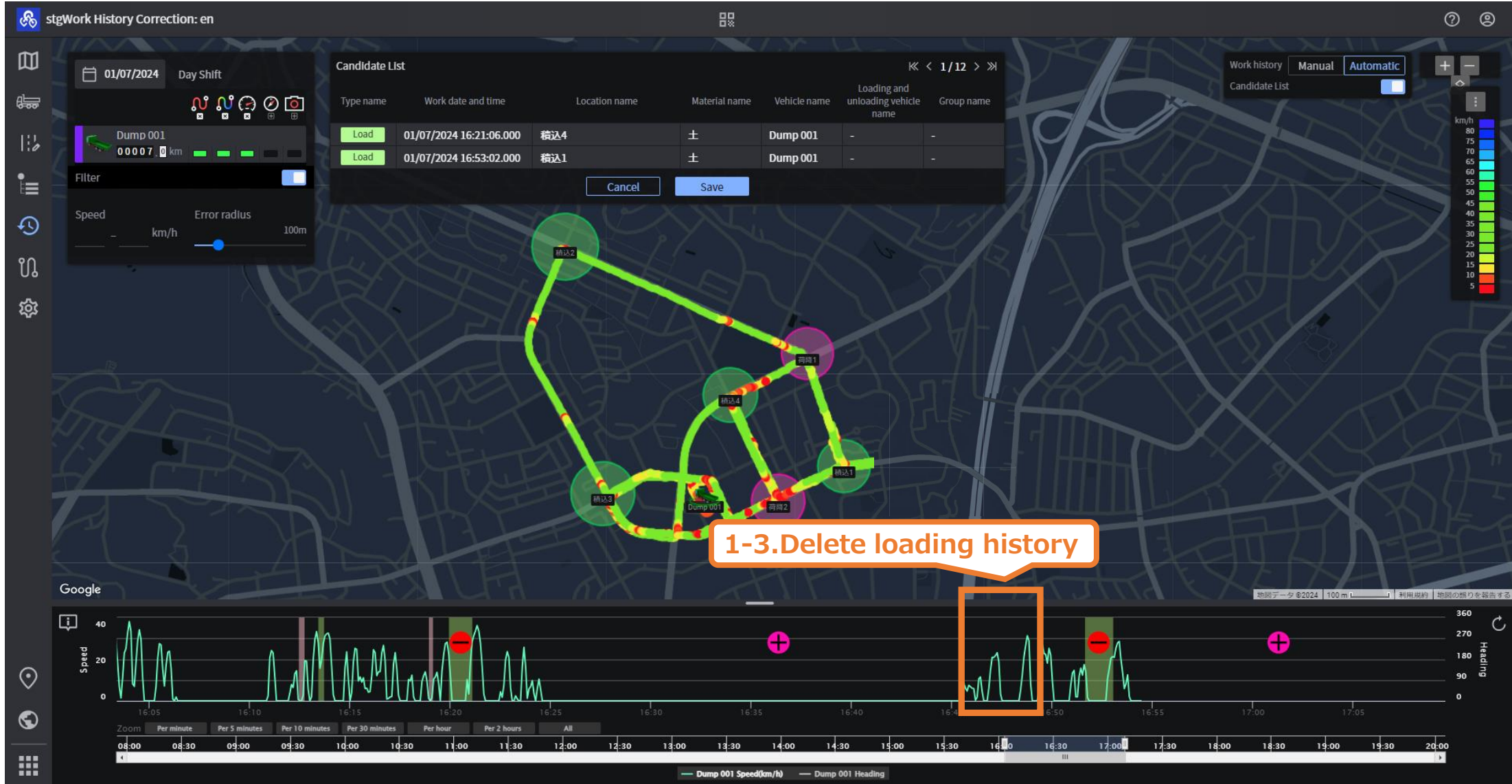
Type: Load

Buttons: Cancel, Delete

1-1. Click on " - "

1-2. Click on "Delete"

[Correction Example (1/4)] Delete duplicate loading count - Delete the loading history at **16:48:40**.



[Correction Example (2/4)] Add missing unloading count



[Correction Example (2/4)] Add missing unloading count

Add Unloading Work History

Work date and time
01/07/2024 16:36:22

Location
Please select

Vehicle
Dump 001

Maximum load volume
9800 kg

Maximum load capacity
5.5 m3

Loading and unloading vehicle
Please select

Group
All

Add

Add Unloading Work History

Work date and time
01/07/2024 16:50:22

Location
荷降2

Vehicle
Dump 001

Maximum load volume
9800 kg

Maximum load capacity
5.5 m3

Loading and unloading vehicle
Please select

Group
All

Add



2-2.Set the work time

2-3.Set the location

2-4.Click on "Add"

[Correction Example (3/4)] Delete duplicate loading count - Delete the loading history at 16:53:02.



The screenshot displays the 'stgWork History Correction: en' interface. The main map shows a vehicle's path with various colored segments. A 'Candidate List' window is open, showing a table of work history entries. The entry at 16:53:02.000 is highlighted with an orange border. A confirmation dialog is also open, asking for confirmation to delete the work history at 16:53:02.000. The dialog includes a 'Delete' button, which is highlighted with an orange border and labeled '3-2'. A callout bubble points to the '-' button in the candidate list, labeled '3-1. Click on “ - ”'.

Candidate List

Type name	Work date and time	Location name	Material name	Vehicle name	Loading and unloading vehicle name	Group name
Load	01/07/2024 16:21:06.000	積込4	土	Dump 001	-	-
Unload	01/07/2024 16:50:22.000	荷降2	-	Dump 001	-	-
Load	01/07/2024 16:53:02.000	積込1	土	Dump 001	-	-

Confirmation Dialog:

This work history will be deleted ×
This operation cannot be undone

Work date and time	Type
01/07/2024 16:53:02.000	Load

Buttons: Cancel, Delete (3-2)

Callout: 3-1. Click on “ - ”

[Correction Example (4/4)] Save the edited content



stgWork History Correction: en

01/07/2024 Day Shift

Dump 001
00006 km

Filter

Speed km/h Error radius 100m

Candidate List

Type name	Work date and time	Location name	Material name	Vehicle name	Loading and unloading vehicle name	Group name
Load	01/07/2024 16:21:06.000	積込4	土	Dump 001	-	-
Unload	01/07/2024 16:50:22.000	荷降2	-	Dump 001	-	-

Cancel Save

4-1. Click on "Save"

After saving, the number of correction suggestions decreases

Save Work History
Save Work History Correction

Save

4-2. Click on "Save"

Speed

Heading

Zoom Per minute Per 5 minutes Per 10 minutes Per 30 minutes Per hour Per 2 hours All

08:00 08:30 09:00 09:30 10:00 10:30 11:00 11:30 12:00 12:30 13:00 13:30 14:00 14:30 15:00 15:30 16:00 16:30 17:00 17:30 18:00 18:30 19:00 19:30 20:00

Dump 001 Speed(km/h) Dump 001 Heading



Add Loading Work History

Work date and time

01/07/2024

18:16:27
1

Location

Please select
2

Material

Please select
3

Unit volume mass

0 t/m3

Vehicle

伊勢

Maximum load volume

22400 kg

Maximum load capacity

18 m3

Loading weight
Load rate
4

kg

Loading and unloading vehicle

Please select
5

Group

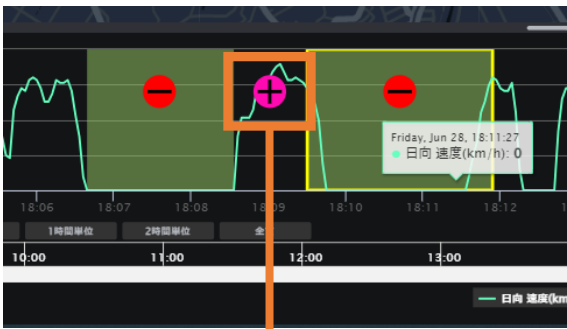
All
6

Add
7

【Add Loading Work History】

Clicking the green '+' opens an additional window.

1. [Indispensable]Set the work time
2. [Indispensable]Set the Location
3. [Indispensable]Set the Material
4. [Optional]Input "Loading weight" or "Load rate"
5. [Optional]Set the "Loading and unloading vehicle"
This is the field to select 'from which construction equipment the loading was performed.'
6. [Optional]Set the Group
7. Click on "Add"



Add Unloading Work History

Work date and time

01/07/2024

16:36:22
1

Location

Please select
2

Vehicle

Dump 001

Maximum load volume
Maximum load capacity

9800 kg
5.5 m3

Loading and unloading vehicle

Please select
3

Group

All
4

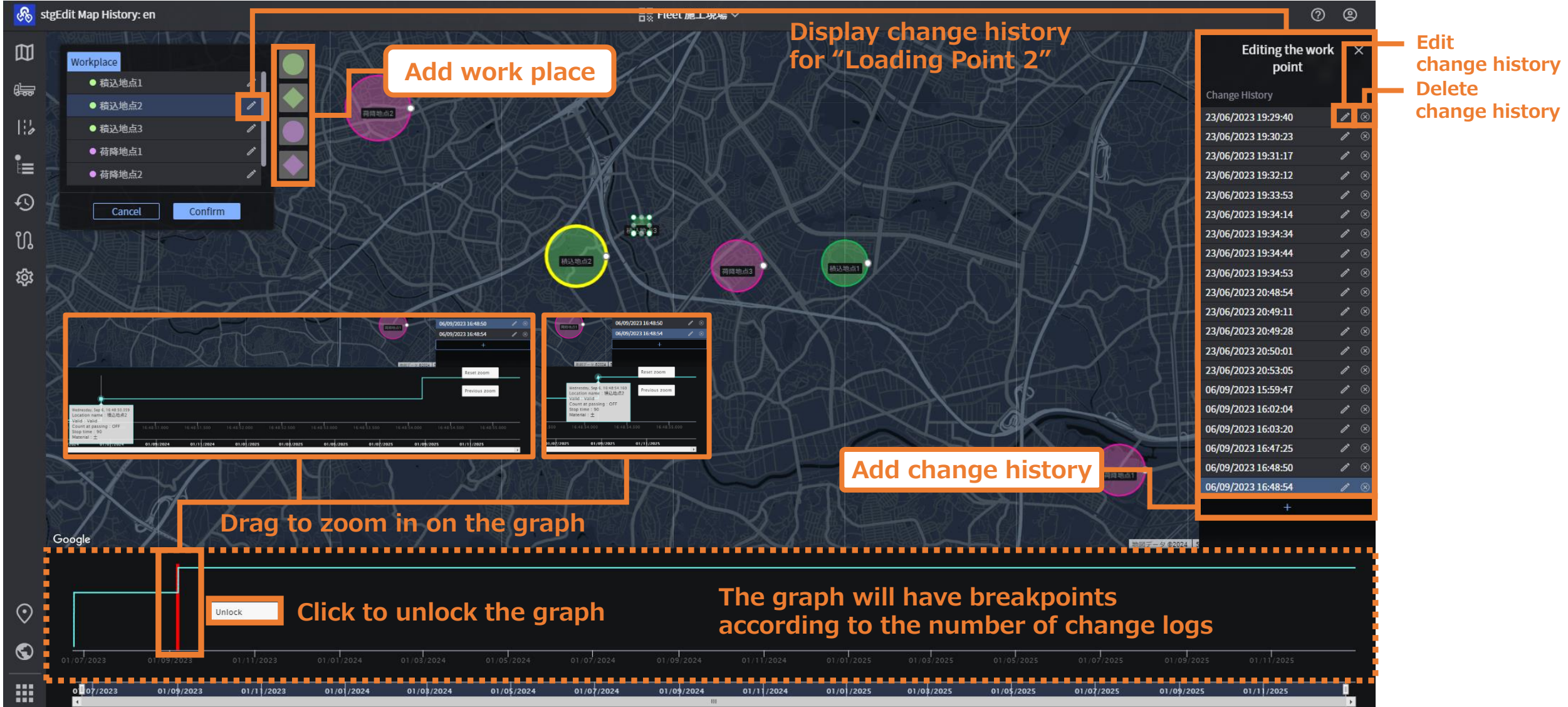
Add
5

【Add Loading Work History】

Clicking the pink '+' opens an additional window.

1. [Indispensable]Set the work time
2. [Indispensable]Set the Location
3. [Optional]Set the "Loading and unloading vehicle"
This is the field to select 'near which construction equipment the unloading operation was performed.'
4. [Optional]Set the Group
5. Click on "Add"

It is possible to retrospectively change the position, size, shape, validity/invalidity, stop seconds, etc., of the work point and perform a recalculation of the automatic work history.



stgEdit Map History: en

Workplace

- 抵达地点1
- 抵达地点2
- 抵达地点3
- 荷降地点1
- 荷降地点2

Cancel Confirm

Add work place

Display change history for "Loading Point 2"

Editing the work point

Change History

23/06/2023 19:29:40	✎	✕
23/06/2023 19:30:23	✎	✕
23/06/2023 19:31:17	✎	✕
23/06/2023 19:32:12	✎	✕
23/06/2023 19:33:53	✎	✕
23/06/2023 19:34:14	✎	✕
23/06/2023 19:34:34	✎	✕
23/06/2023 19:34:44	✎	✕
23/06/2023 19:34:53	✎	✕
23/06/2023 20:48:54	✎	✕
23/06/2023 20:49:11	✎	✕
23/06/2023 20:49:28	✎	✕
23/06/2023 20:50:01	✎	✕
23/06/2023 20:53:05	✎	✕
06/09/2023 15:59:47	✎	✕
06/09/2023 16:02:04	✎	✕
06/09/2023 16:03:20	✎	✕
06/09/2023 16:47:25	✎	✕
06/09/2023 16:48:50	✎	✕
06/09/2023 16:48:54	✎	✕

Edit change history
Delete change history

Add change history

Drag to zoom in on the graph

Click to unlock the graph

The graph will have breakpoints according to the number of change logs

stgWork History List: en

Fleet 施工现场

Work history: Manual Automatic Date: 28/06/2024 Type: All Vehicle: 日向 Location: All Material: All Group: All Deleted: ☐

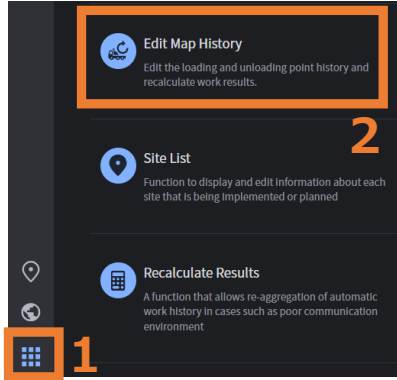
Edit category	Reason for deletion	Type name	Work date and time	Location name	Material name	Unit body weight (t/m3)	Vehicle
		Load	28/06/2024 08:03:51.000	抵达地点2	土	1.8	日向
		Load	28/06/2024 08:06:00.000	抵达地点3	土	1.8	日向
		Unload	28/06/2024 08:13:30.000	荷降地点3	土		
		Load	28/06/2024 08:21:30.000	抵达地点3	土		
		Load	28/06/2024 08:24:15.000	抵达地点2	土		
		Load	28/06/2024 08:26:36.000	抵达地点3	土		
		Unload	28/06/2024 08:34:06.000	荷降地点3	土		
		Load	28/06/2024 08:42:06.000	抵达地点3	土		
		Load	28/06/2024 08:44:51.000	抵达地点2	土		
		Load	28/06/2024 08:47:12.000	抵达地点3	土		
		Unload	28/06/2024 08:54:42.000	荷降地点3	土		
		Load	28/06/2024 09:02:42.000	抵达地点3	土		
		Load	28/06/2024 09:05:27.000	抵达地点2	土		
		Load	28/06/2024 09:08:00.000	抵达地点3	土		
		Unload	28/06/2024 09:15:30.000	荷降地点3	土		
		Load	28/06/2024 09:23:30.000	抵达地点3	土		
		Load	28/06/2024 09:26:15.000	抵达地点2	土		
		Load	28/06/2024 09:28:48.000	抵达地点3	土		
		Unload	28/06/2024 09:36:18.000	荷降地点3	土		

[Usage Example]

There are many loading histories recorded at 'Loading Point 3,' which is located along the transport route.

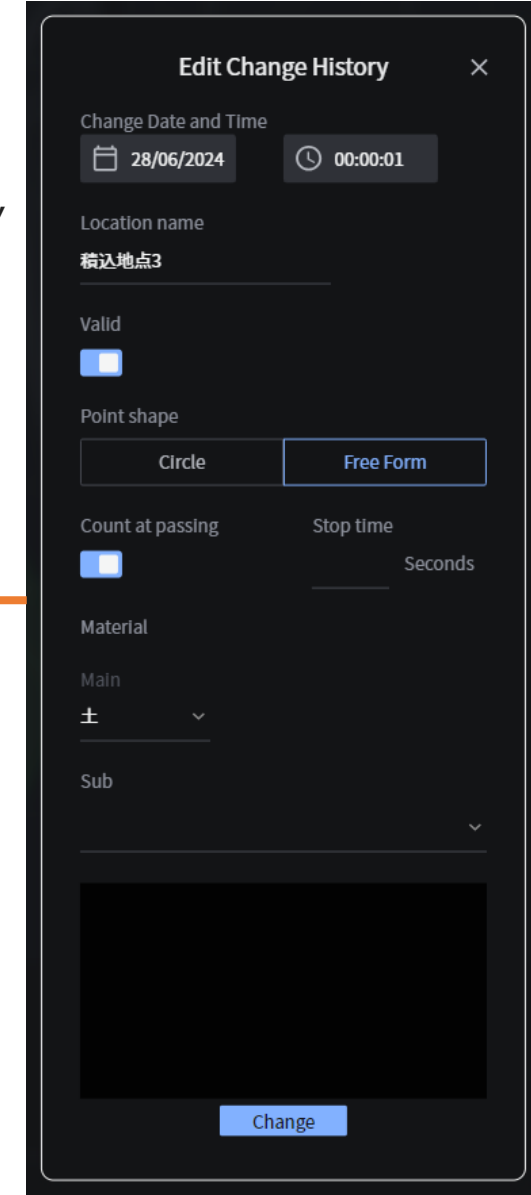
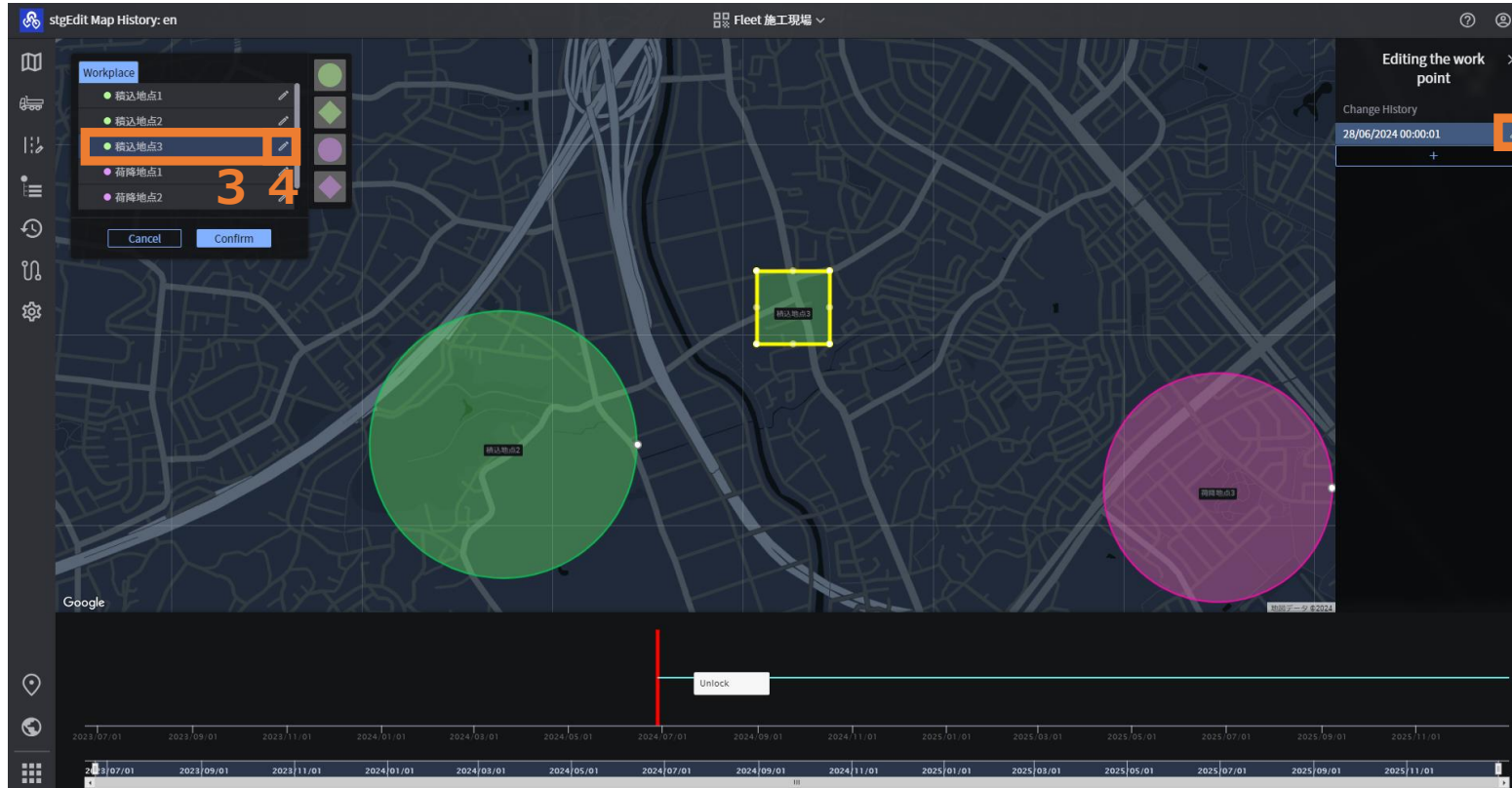
↓
I want to mark 'Loading Point 3' as invalid and delete the extra loading histories all at once.



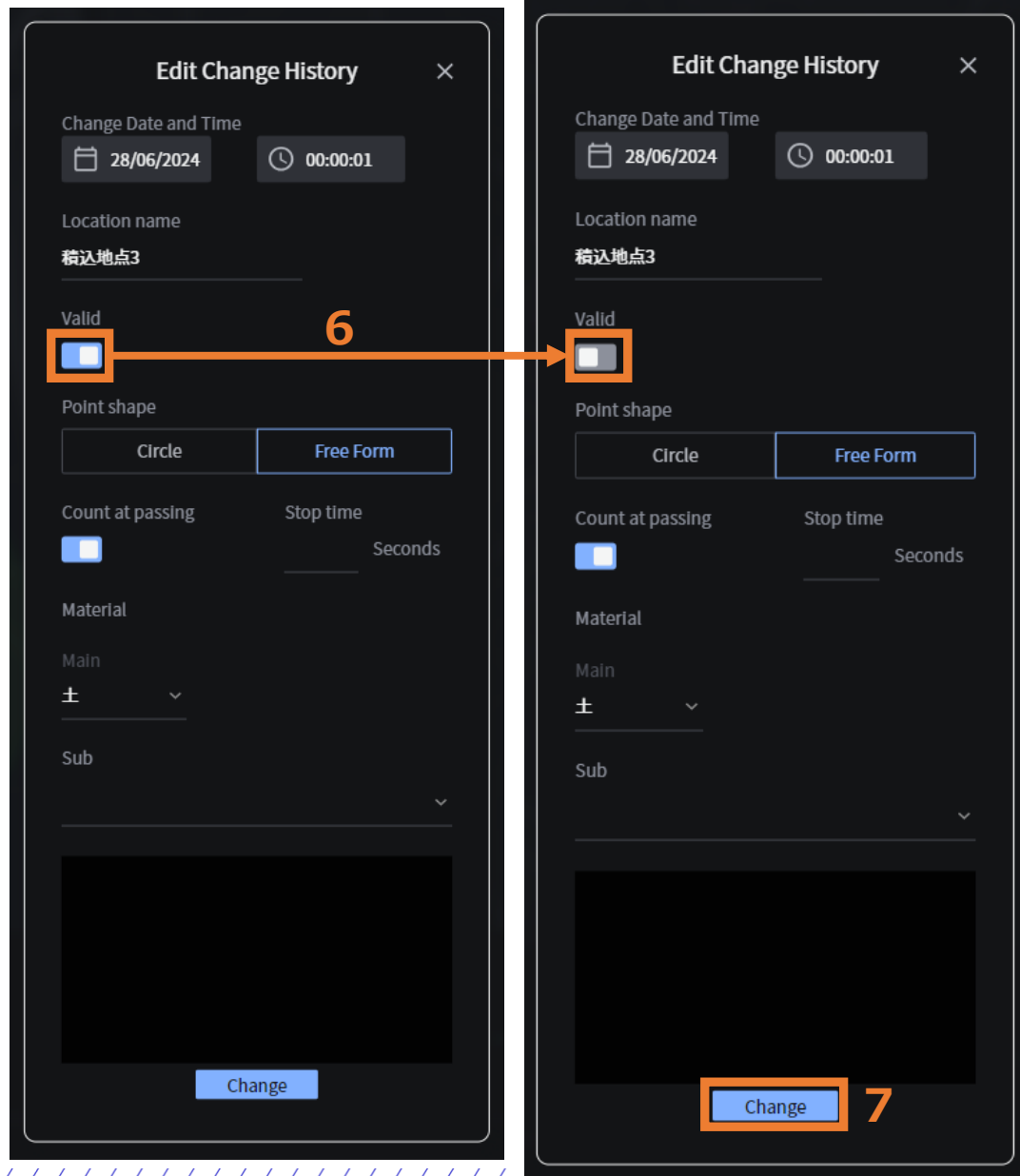
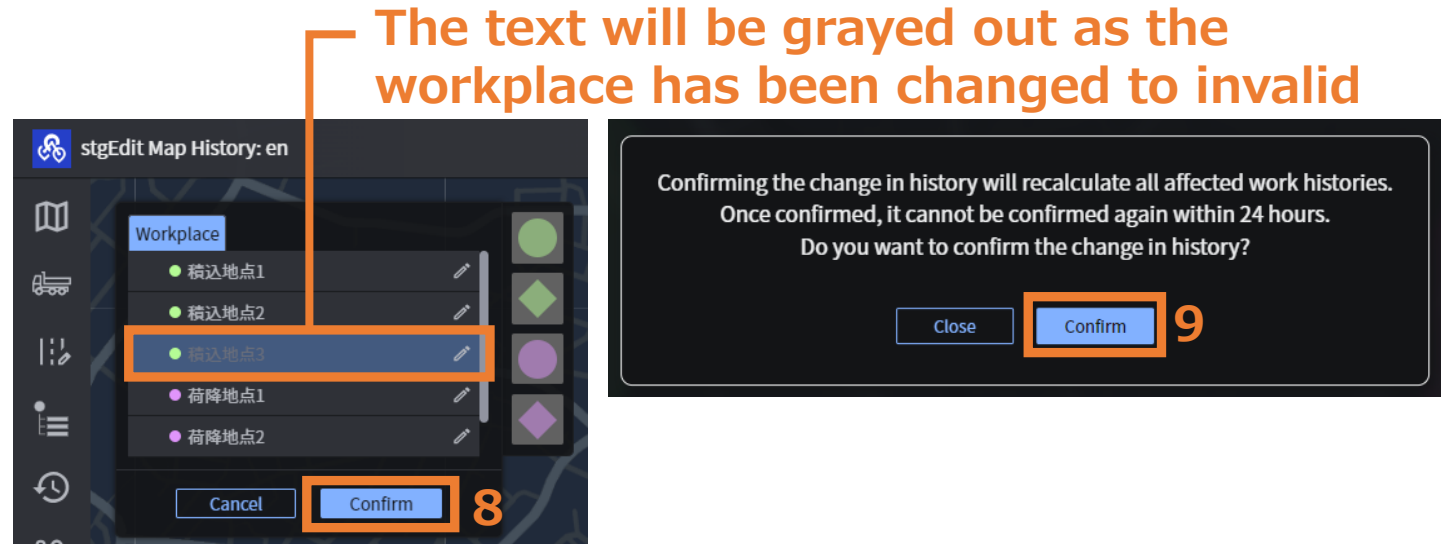


1. Press “Global Navigation” in the bottom left corner of the screen
2. Click on “Edit Map History”
3. Select the work point you want to edit
4. Click the edit icon
5. Click the edit icon for “2024/06/28 00:00:01” displayed in the “Change History”
The change history edit window will open.

Continue to next page



6. Toggle the "Valid" switch to Invalid
Other items can also be changed as needed.
 7. Click on "Change"
 8. Click on "Confirm"
 9. Click on "Confirm"
- The time to complete the recalculation will vary depending on the time range and the number of transport vehicles.
Please note that recalculation will not be possible for 24 hours after confirmation.

The text will be grayed out as the workplace has been changed to invalid

Confirming the change in history will recalculate all affected work histories.
Once confirmed, it cannot be confirmed again within 24 hours.
Do you want to confirm the change in history?

Close Confirm 9

Cancel Confirm 8

stgWork History List: en Fleet 施工现场

Work history: Manual Automatic Date: 28/06/2024 Type: All Vehicle: 日向 Location: All Material: All

Edit category	Reason for deletion	Type name	Work date and time	Location name	Material name
		Load	28/06/2024 08:03:51.000	抵达地点2	土
		Load	28/06/2024 08:06:00.000	抵达地点3	土
		Unload	28/06/2024 08:13:30.000	荷降地点3	土
		Load	28/06/2024 08:21:30.000	抵达地点3	土
		Load	28/06/2024 08:24:15.000	抵达地点2	土
		Load	28/06/2024 08:26:36.000	抵达地点3	土
		Unload	28/06/2024 08:34:06.000	荷降地点3	土
		Load	28/06/2024 08:42:06.000	抵达地点3	土
		Load	28/06/2024 08:44:51.000	抵达地点2	土
		Load	28/06/2024 08:47:12.000	抵达地点3	土
		Unload	28/06/2024 08:54:42.000	荷降地点3	土
		Load	28/06/2024 09:02:42.000	抵达地点3	土
		Load	28/06/2024 09:05:27.000	抵达地点2	土
		Load	28/06/2024 09:08:00.000	抵达地点3	土
		Unload	28/06/2024 09:15:30.000	荷降地点3	土
		Load	28/06/2024 09:23:30.000	抵达地点3	土
		Load	28/06/2024 09:26:15.000	抵达地点2	土
		Load	28/06/2024 09:28:48.000	抵达地点3	土
		Unload	28/06/2024 09:36:18.000	荷降地点3	土

Before recalculation

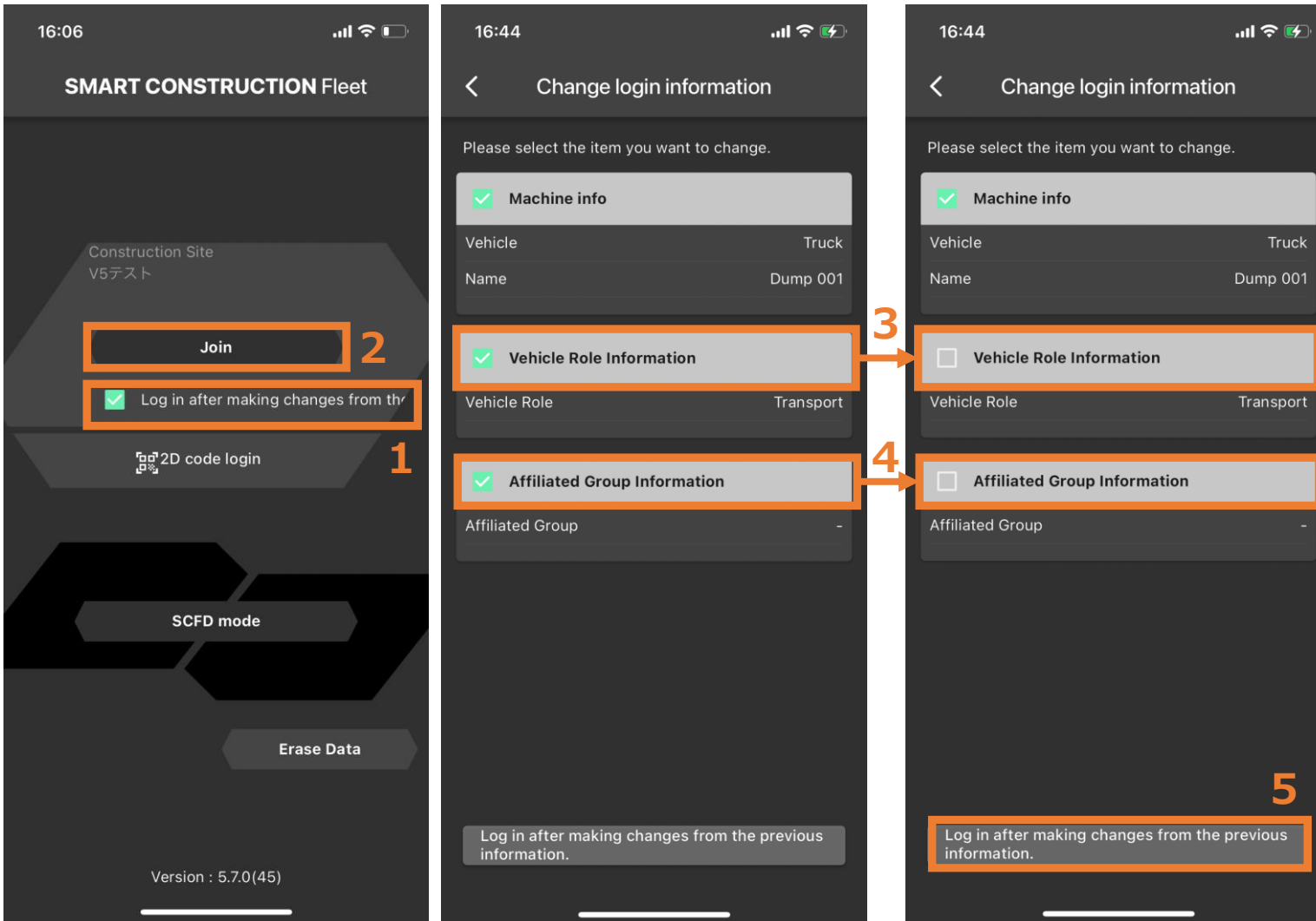
stgWork History List: en Fleet 施工现场

Work history: Manual Automatic Date: 28/06/2024 Type: All Vehicle: 日向 Location: All Material: All

Type name	Work date and time	Location name	Material name	Unit body weight (t/m3)	Vehicle name
Load	28/06/2024 08:03:51.000	抵达地点2	土	1.8	日向
Unload	28/06/2024 08:13:30.000	荷降地点3	土	1.8	日向
Load	28/06/2024 08:24:15.000	抵达地点2	土	1.8	日向
Unload	28/06/2024 08:34:06.000	荷降地点3	土	1.8	日向
Load	28/06/2024 08:44:51.000	抵达地点2	土	1.8	日向
Unload	28/06/2024 08:54:42.000	荷降地点3	土	1.8	日向
Load	28/06/2024 09:05:27.000	抵达地点2	土	1.8	日向
Unload	28/06/2024 09:15:30.000	荷降地点3	土	1.8	日向
Load	28/06/2024 09:26:15.000	抵达地点2	土	1.8	日向
Unload	28/06/2024 09:36:18.000	荷降地点3	土	1.8	日向
Load	28/06/2024 09:47:03.000	抵达地点2	土	1.8	日向
Unload	28/06/2024 09:57:06.000	荷降地点3	土	1.8	日向
Load	28/06/2024 10:07:51.000	抵达地点2	土	1.8	日向
Unload	28/06/2024 10:17:54.000	荷降地点3	土	1.8	日向
Load	28/06/2024 10:28:39.000	抵达地点2	土	1.8	日向
Unload	28/06/2024 10:38:42.000	荷降地点3	土	1.8	日向
Load	28/06/2024 10:49:27.000	抵达地点2	土	1.8	日向
Unload	28/06/2024 10:59:30.000	荷降地点3	土	1.8	日向
Load	28/06/2024 11:10:15.000	抵达地点2	土	1.8	日向

After recalculation

Additional Features/Changes (Mobile)



Currently, tapping 'join' carries over all the information from the last login. To accommodate use cases where the dump truck changes daily, we will add an option to modify information as needed. The ON/OFF state of each checkbox will be carried over to the next login.

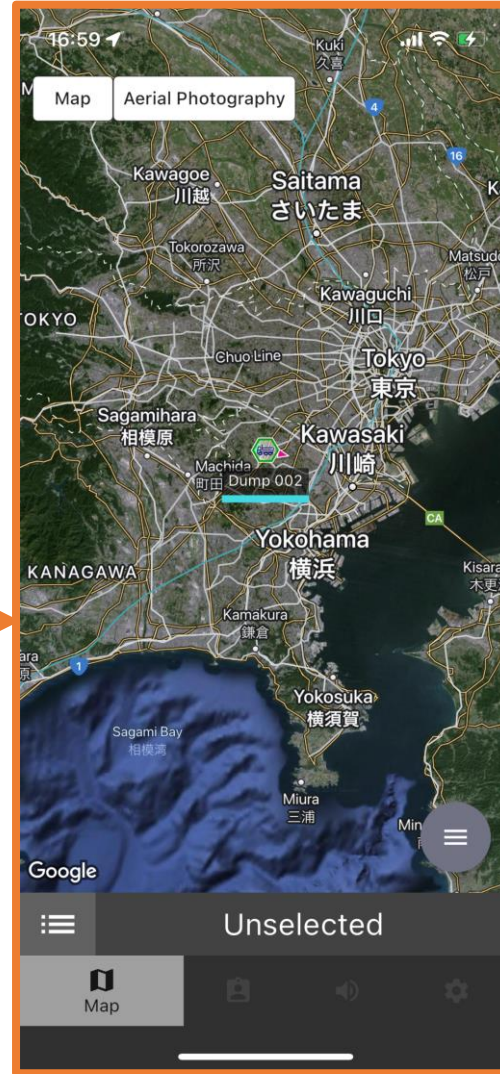
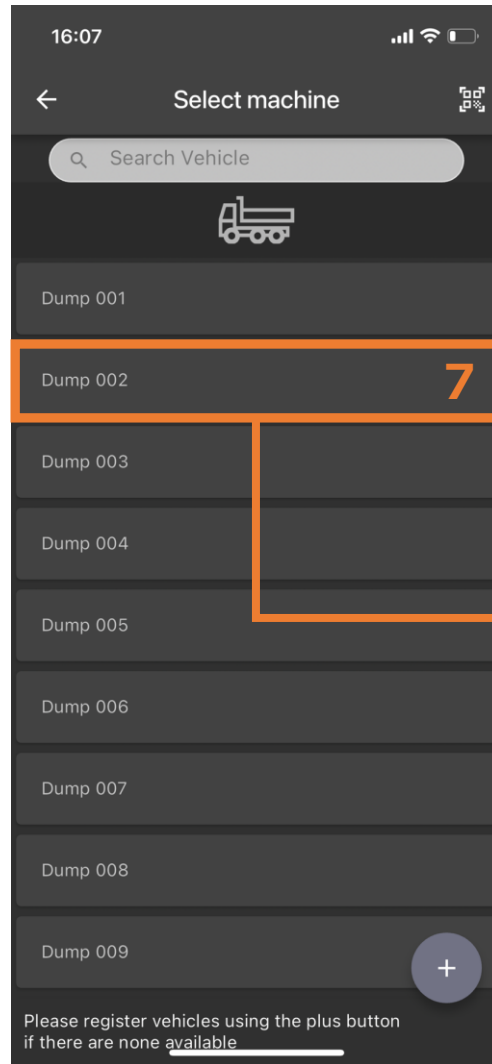
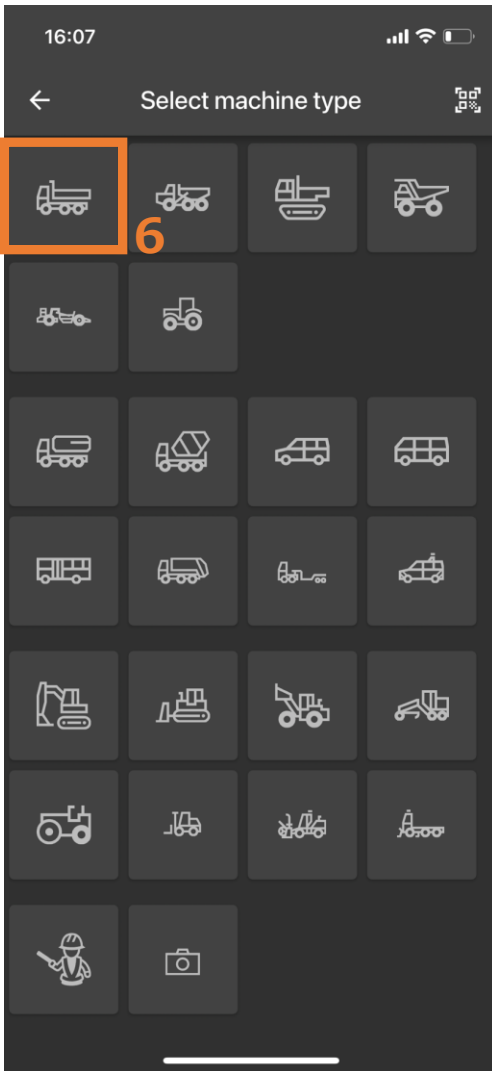
[If you only want to change vehicle information]

1. Check "Log in after making changes from the previous information"

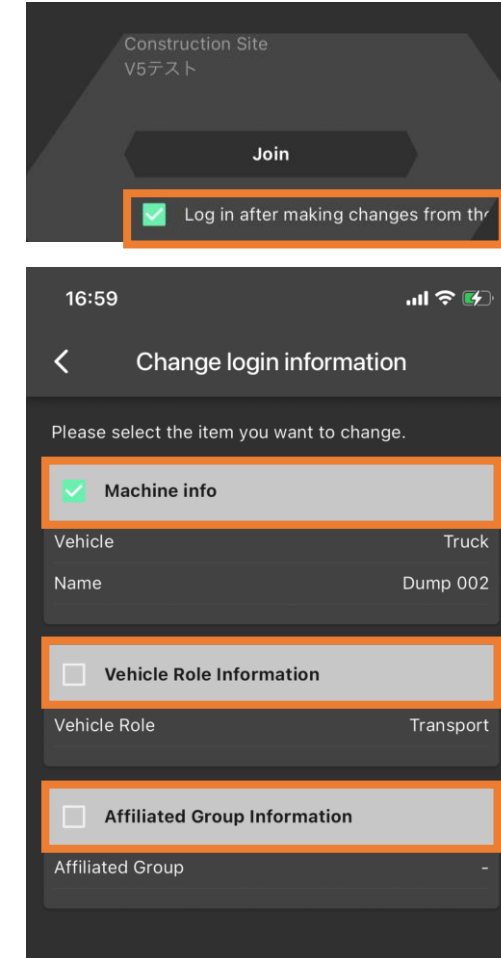
It is checked by default.

2. Tap "join"
3. Uncheck "Vehicle Role Information"
4. Uncheck "Affiliated Group Information"
5. Tap "Log in after making changes from the previous information"

Continue to next page



[Reference] Screen for the next login

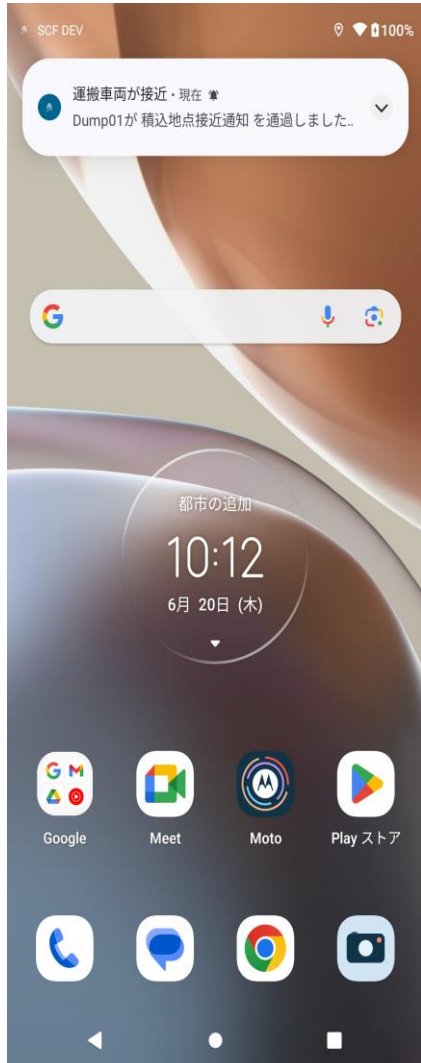


The ON/OFF state of the checkboxes will be carried over.

6. Tap the dump truck icon
 7. Tap "Dump 002"
- Login is complete.

[Example: Approach Notification to Loading Point]

Background

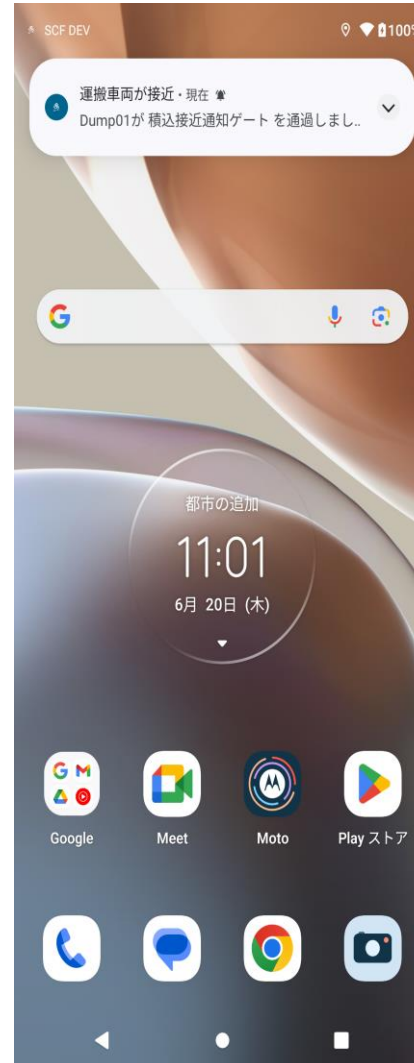


Foreground



[Example: Approach Notification to Unloading Point]

Background

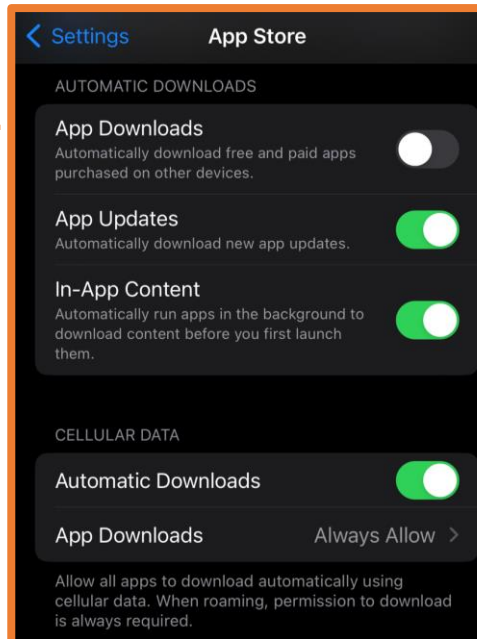
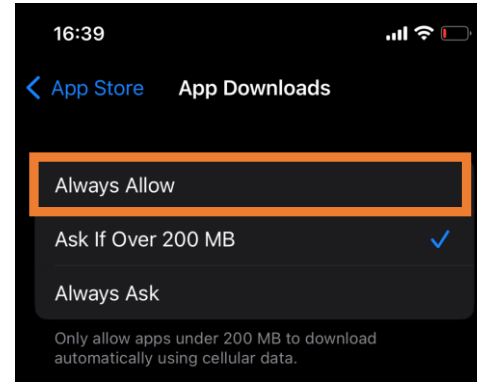
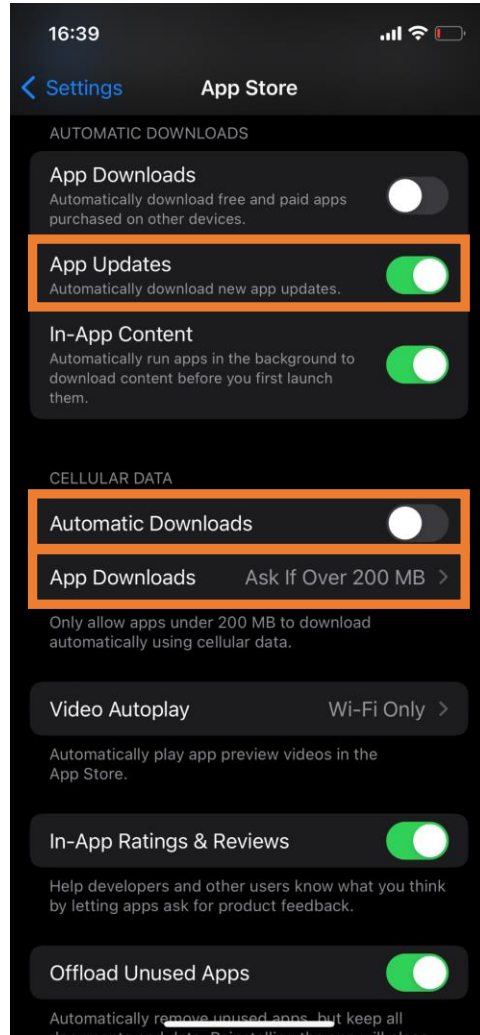
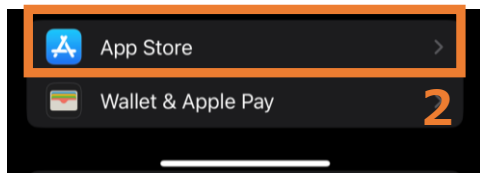
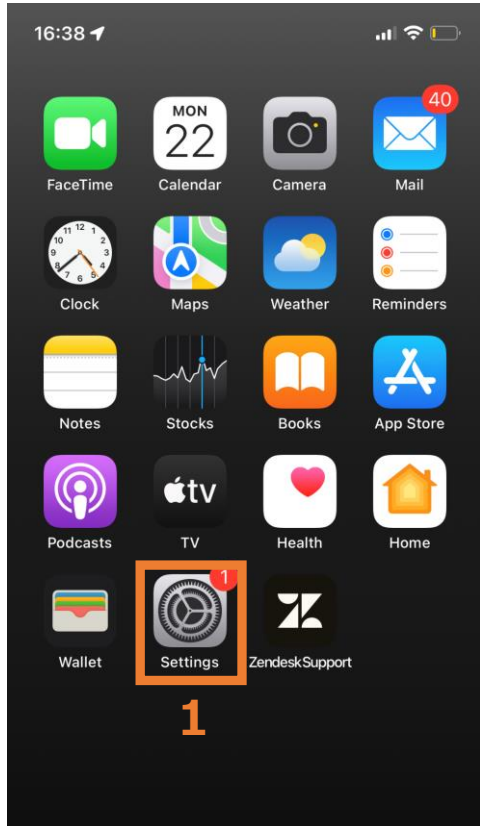


Foreground



Appendix

On iPhone, by pre-setting the following, the app will be automatically updated via mobile data when updated in the store.



✓ Android devices may have different settings menus depending on the manufacturer

1. Open the "Settings" app
2. Tap on "iTunes & App Store"
3. Turn on "App Updates"
4. Turn on "Automatic Downloads"
- If this option is turned off, automatic updates will only occur when connected to Wi-Fi.
5. Tap on "App Downloads"
6. Choose "Always Allow"
7. Setting is finished

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