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A large sunburst graphic composed of numerous thin blue lines radiating from a central point, positioned behind the main text.

# **Smart Construction Pilot Flex v1.4.3 feature improvements**



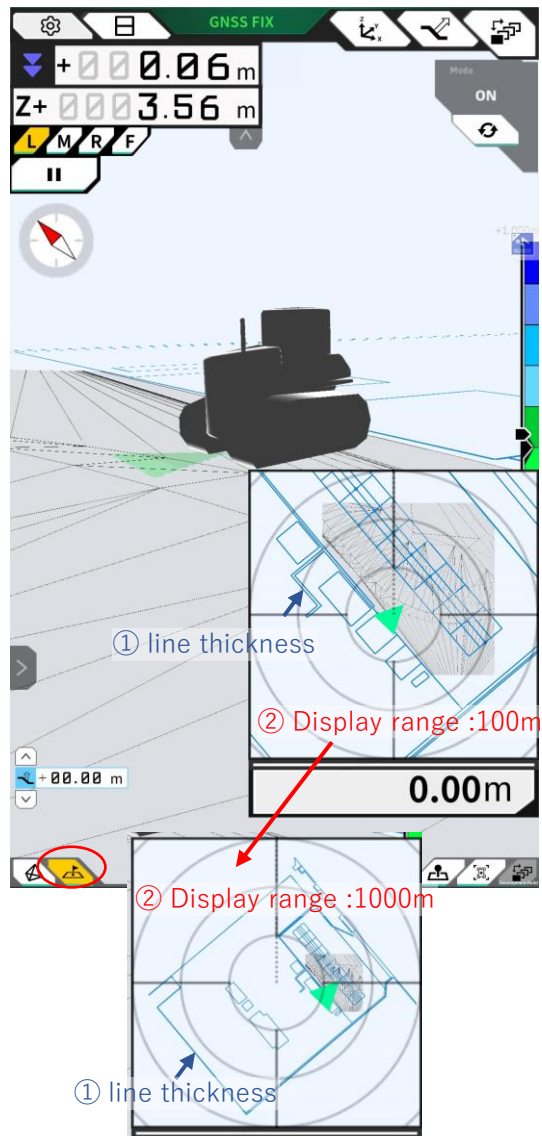
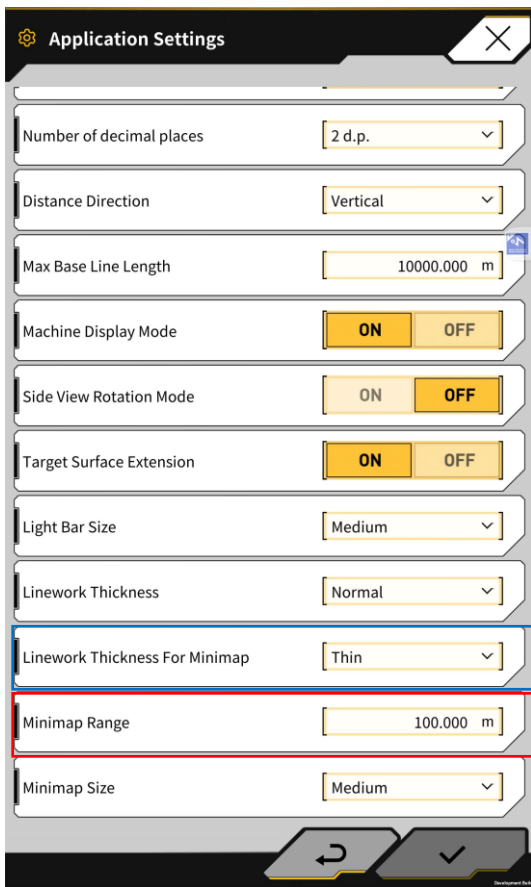
EARTHBRAIN

1. Minimap display range and linework thickness display settings
2. Change of “Asbuilt” acquisition position
3. Dialog displayed when license is not set
4. Modification of TopographicSurvey's server upload function
5. Save measurement position after restarting the app
6. Additional regions for common settings

## **Other**

- Improved heat map drawing process when selecting a simplified design surface
- Reflecting license when not connected to the Internet
- Other bug fixes and specification changes

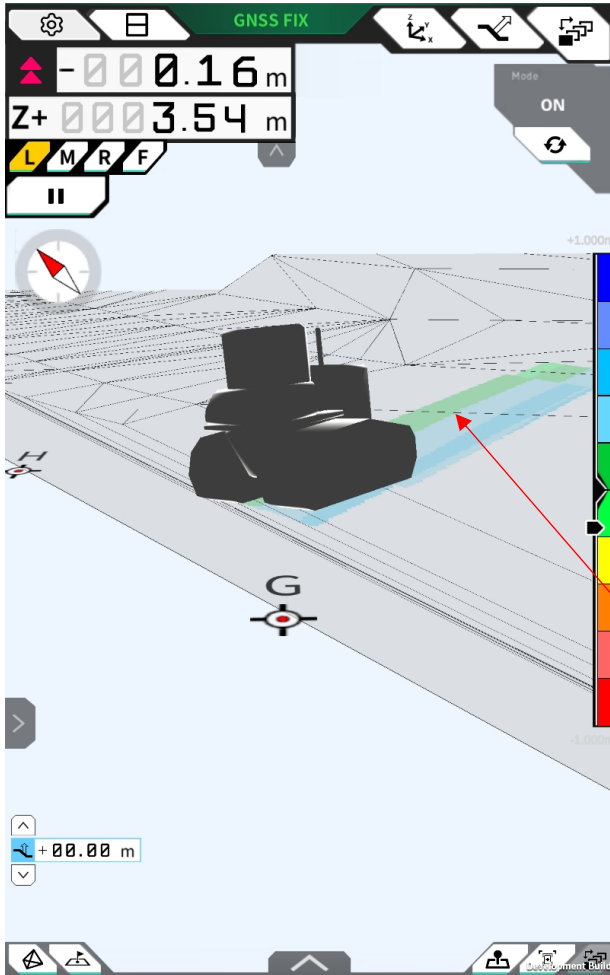
# 1. Minimap display range and linework thickness display settings



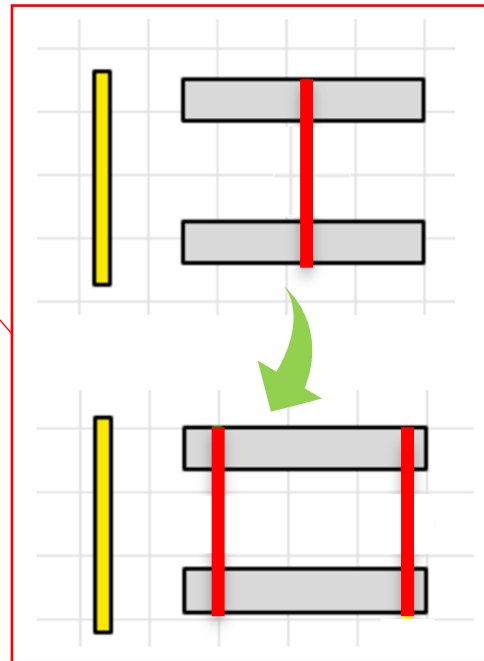
The range of linework display in the minimap can now be set to any value. Max. 2000 m, min. 100 m (default)

This makes it easier to know where vehicles are located on the entire site by registering linework data on a site with a large construction area.

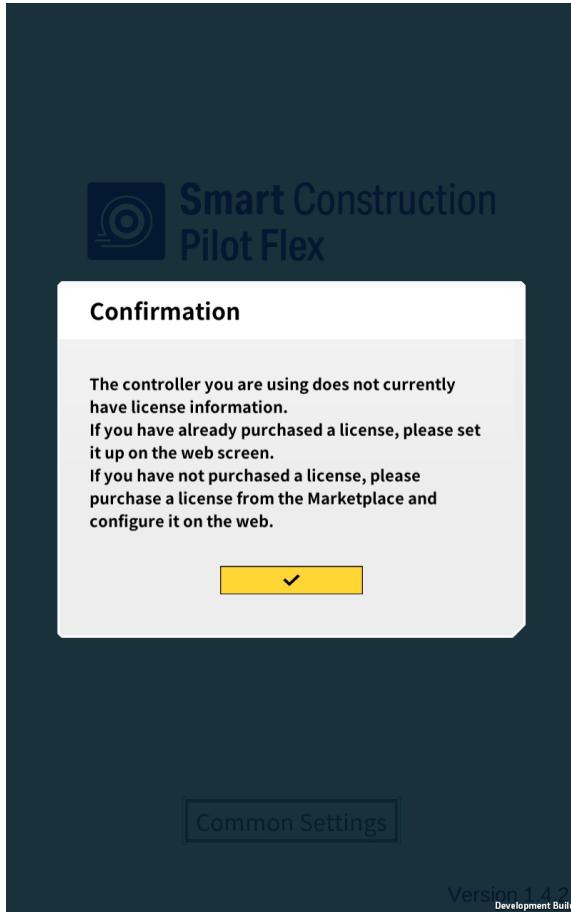
## 2. Change of “Asbuilt” acquisition position



The “AsBuilt” data acquisition position has been changed from the center of the vehicle (one point in the vehicle width) to the front and rear of the vehicle (two points in the vehicle width).

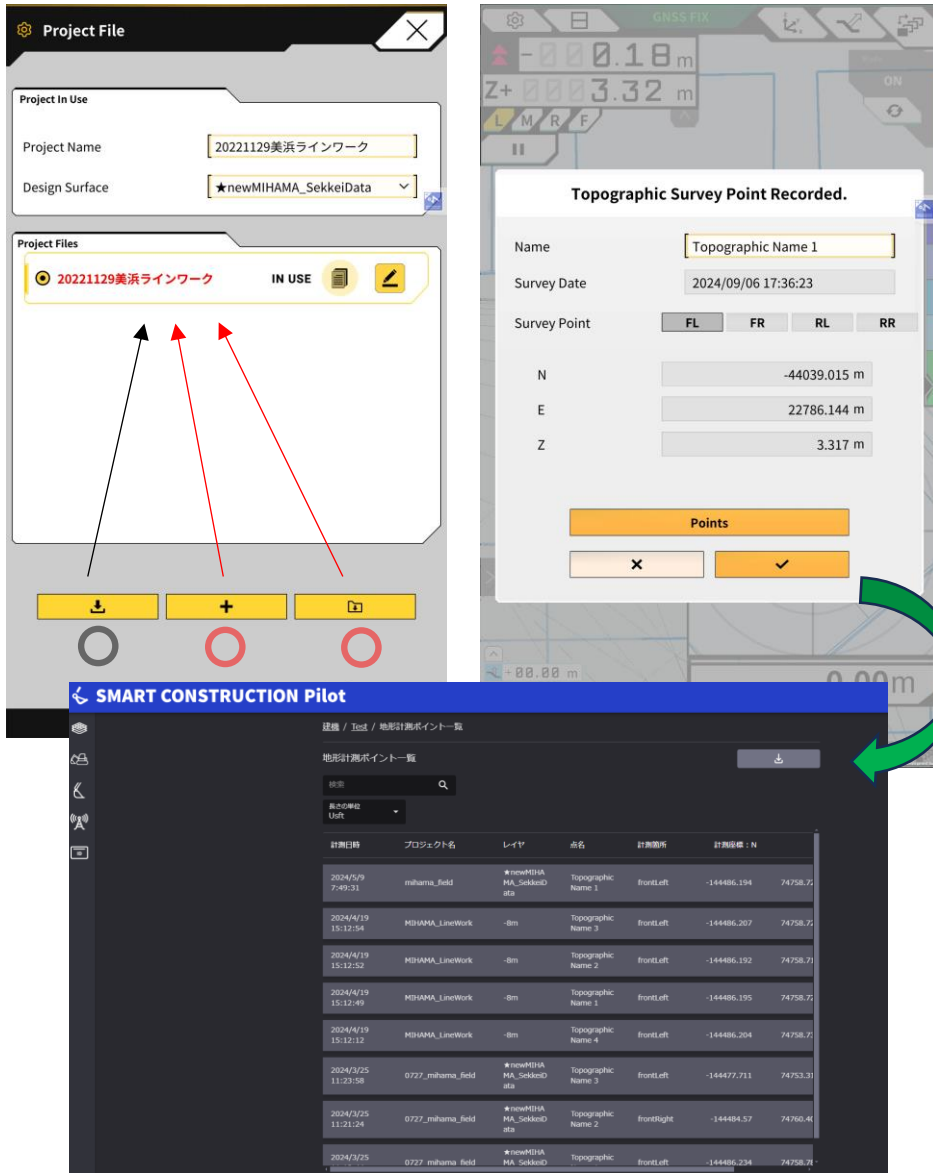


### 3. Dialog displayed when license is not set



If there is no license when the application is launched, a dialog box will appear stating that a license must be purchased.

## 4. Modification of TopographicSurvey's server upload function



The image shows three screenshots from the TopographicSurvey mobile application:

- Project File:** Shows project settings for "20221129美浜ラインワーク" with design surface "newMIHAMA\_SekkeiData". A "Project Files" list shows the current project as "IN USE". Red arrows point from the "+" button at the bottom to the project entry in the list.
- Topographic Survey Point Recorded:** A dialog box for recording a point. It includes fields for Name ("Topographic Name 1"), Survey Date ("2024/09/06 17:36:23"), and coordinates (N: -44039.015 m, E: 22786.144 m, Z: 3.317 m). A "Points" button and confirmation options (X and checkmark) are at the bottom.
- SMART CONSTRUCTION Pilot:** A data export screen titled "地形計測ポイント一覧" (Topographic Survey Point List). It displays a table of recorded points with columns for recording date, project name, layer, name, measurement point, and coordinates.

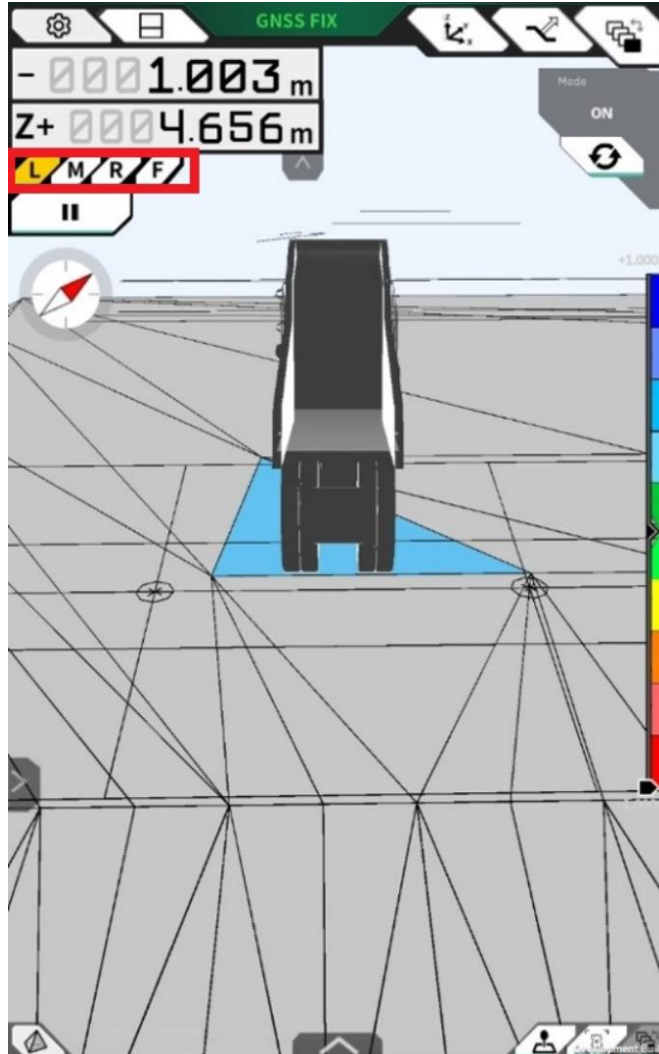
A green arrow points from the "Points" button in the recording dialog to the data export screen, indicating the flow of data.

計測日時	プロジェクト名	レイヤ	点名	計測箇所	計測座標: N
2024/5/9 7:49:31	mihama_field	*newMIHAMA_SekkeiData	Topographic Name 1	frontLeft	-144486.194 74758.7
2024/4/19 15:12:54	MIHAMA_LineWork	-0m	Topographic Name 3	frontLeft	-144486.207 74758.7
2024/4/19 15:12:52	MIHAMA_LineWork	-0m	Topographic Name 2	frontLeft	-144486.192 74758.7
2024/4/19 15:12:49	MIHAMA_LineWork	-0m	Topographic Name 1	frontLeft	-144486.195 74758.7
2024/4/19 15:12:12	MIHAMA_LineWork	-0m	Topographic Name 4	frontLeft	-144486.204 74758.7
2024/3/25 11:23:58	0727_mihama_field	*newMIHAMA_SekkeiData	Topographic Name 3	frontLeft	-144477.711 74753.3
2024/3/25 11:23:24	0727_mihama_field	*newMIHAMA_SekkeiData	Topographic Name 2	frontRight	-144484.57 74760.4
2024/3/25	0727_mihama field	*newMIHAMA_SekkeiData	Topographic	frontLeft	-144486.234 74758.7

TopographicSurvey server uploads previously required a project downloaded from the Pilot Web to be set up.

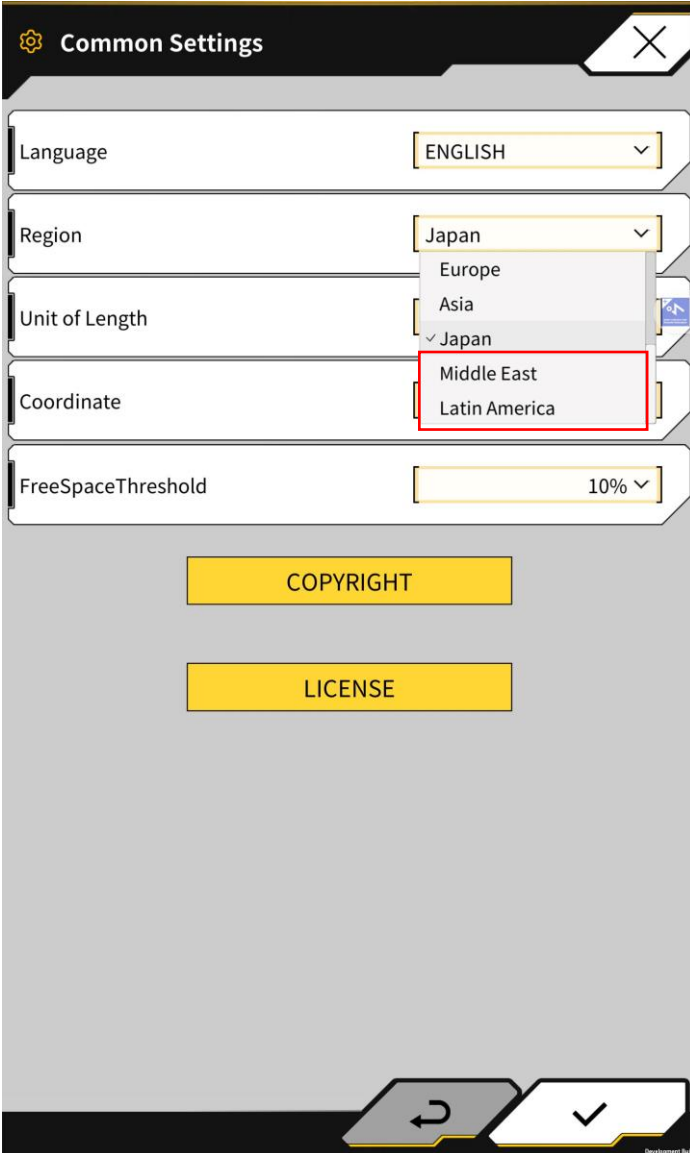
Therefore, we have improved the TopographicSurvey so that it can be uploaded to the server even when the project is not created in Pilot Web or when it is a simple design surface.

## 5. Save measurement position after restarting the app



Guidance measurement position switching (L, M, R / F, R) settings are now saved even after restarting the application.

## 6. Additional regions for common settings



**Common Settings**

Language: ENGLISH

Region: Japan

Unit of Length: Japan

Coordinate: Middle East, Latin America

FreeSpaceThreshold: 10%

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“Middle East” and “Latin America” were added to the regions in the common settings.