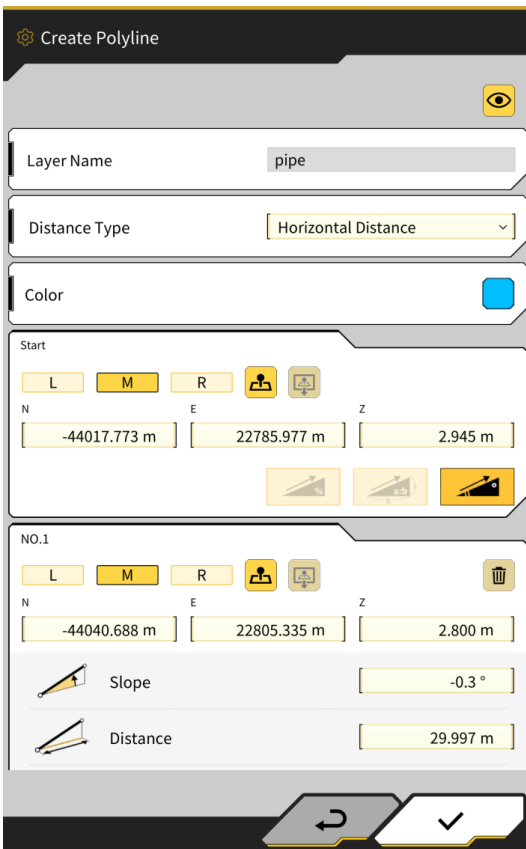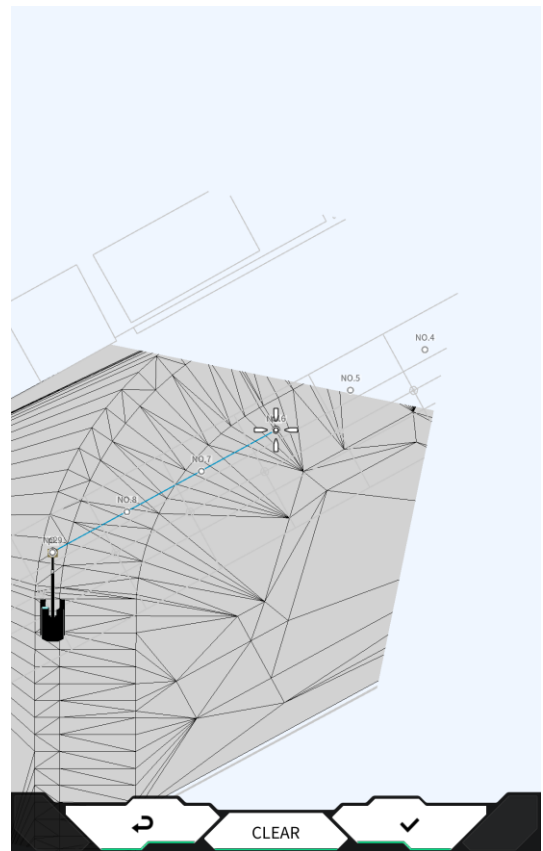# Polyline Creation Function

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Introduction

This function allows you to create a polyline from points measured at the bucket tip or from entered coordinate values. The created polyline can be used in features such as generating a design surface from linework and in the steer indicator function.

【Attention】
This function is available in tablet app version 1.0.12 or later. If you are using an older version, please update the app.

01
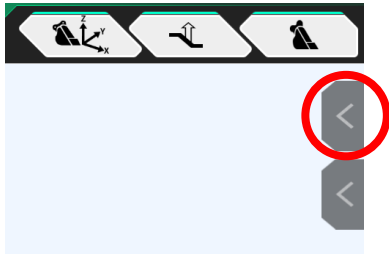
Chapter

How to use

1.1 Create Polyline

There are two ways to create a new polyline: you can access this function either from the standard menu or from the shortcut menu.
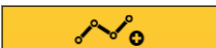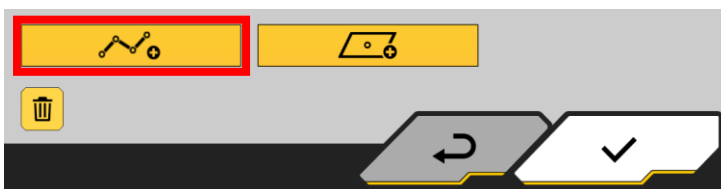
From a shortcut menu:
1. Launch Machine Guidance Screen
2. Tap "Side panel"

3. Tap [icon] to add a new polyline

From Project File:
1. Launch Machine Guidance Screen
2. Menu > Project File
3. Tap [icon] of the project where you want to add a new polyline.
4. Tap [icon] in the bottom-left to add a new polyline
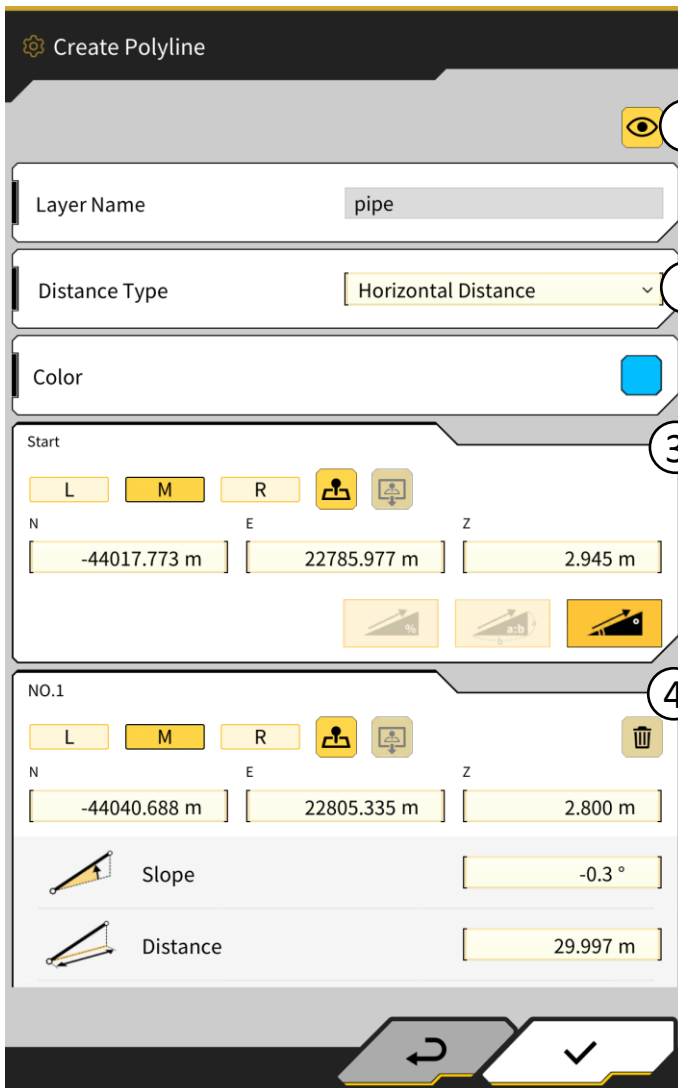
1.1 Create Polyline

Enter the layer name, then add the start point and the points for the polyline.
When all points have been added, the check button at the bottom of the screen will become active.

Adding linework to existing layers in a project is not supported.
Existing linework in a project cannot be edited.
Polylines created can only be used on the tablet where they were created.

①Preview
Check the polyline before creating it.
Available in Plan View only.

②Distance Type
Either Horizontal Distance or Slope Distance is selectable.

③Start point
Measuring the bucket tip (L/M/R), selecting a measured point, or entering them manually. Then, select the slope type: %, ratio, or degree.
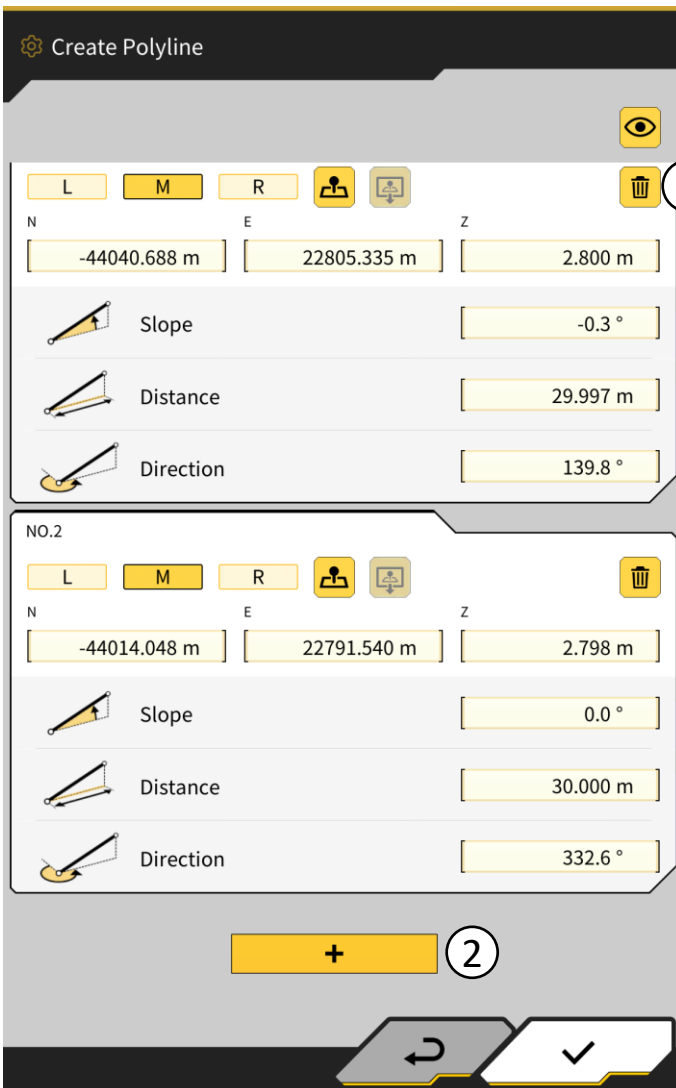
④Line point
Create a line point like the start point, or enter "Slope", "Distance", or "Direction".
When any of the values is modified, the remaining values are automatically adjusted based on the input.

1.1 Create Polyline

For creating a polyline using two or more points, please tap **+** at the bottom of the screen to add points.

Be careful: going back with the return button before creating the polyline will discard all entered information.
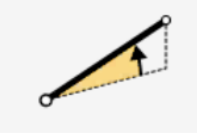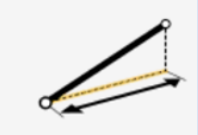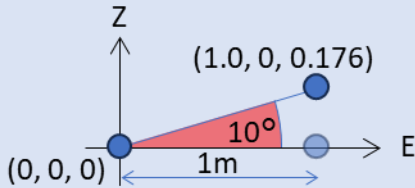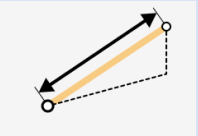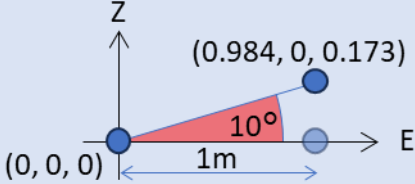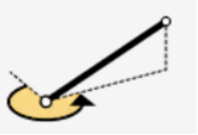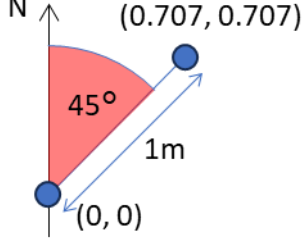

①Delete point
If the polyline contains three or more points, the delete button will be enabled.
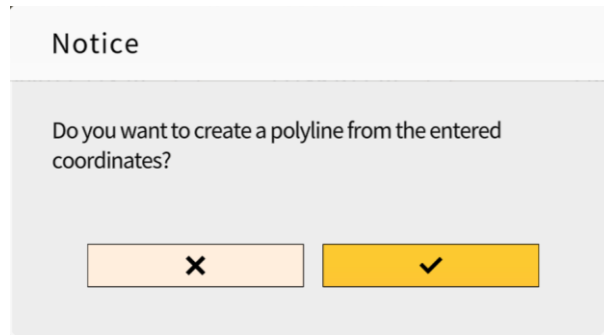When you delete a point, the polyline is recreated without that point.

②Add point
Adding a point with this button will automatically increment and display the tab number.
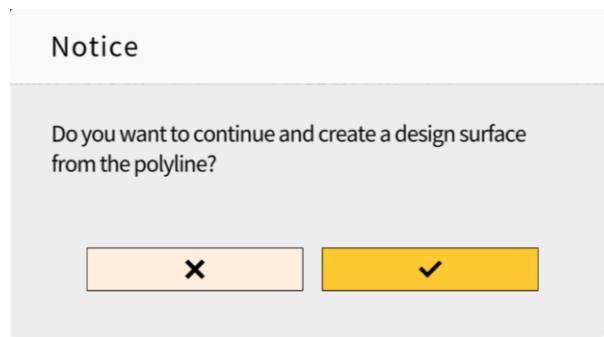
1.1 Create Polyline

Parameters		Descriptions
Slope		"Slope" from the previous point. The displayed value switches depending on whether percent, ratio, or degrees is selected.
Distance	Horizontal Distance 	"Horizontal Distance" from the previous point. When the "Slope" value is changed, only the Z value is updated according to the input.
	Slope Distance 	"Slope Distance" from the previous point. When the "Slope" value is changed, the NEZ values are updated according to the input.
Direction		"Direction" from the previous point. This is the azimuth angle from north, measured clockwise from 0° to 360°.

1.1 Create Polyline

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Tap the check button will display a dialog asking you to confirm the creation of the polyline.

Then, a dialog will ask if you want to create a design surface from the polyline. Tap [✓] to proceed with creating the design surface.
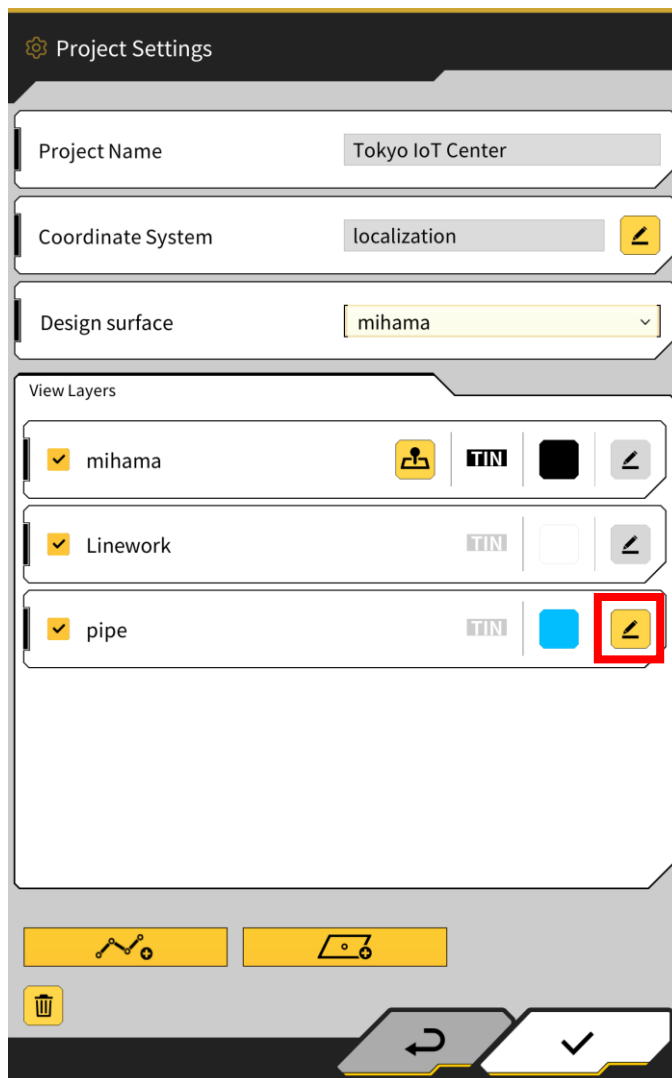

After transitioning to the design surface creation screen, the created polyline will be selected.

1.2 Edit Polyline

To edit a created polyline, follow the steps below to open the polyline layer editing screen.
1. Menu > Project File
2. Tap ✎ of the project where you want to edit
3. Tap ✎ of the layer where you want to edit

Contact information

EARTHBRAIN

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