ARMONICOS

2026.1 Mar.-2026 Release !

ClassNK-PEERLESS

2026.1 Upgrade News

Index

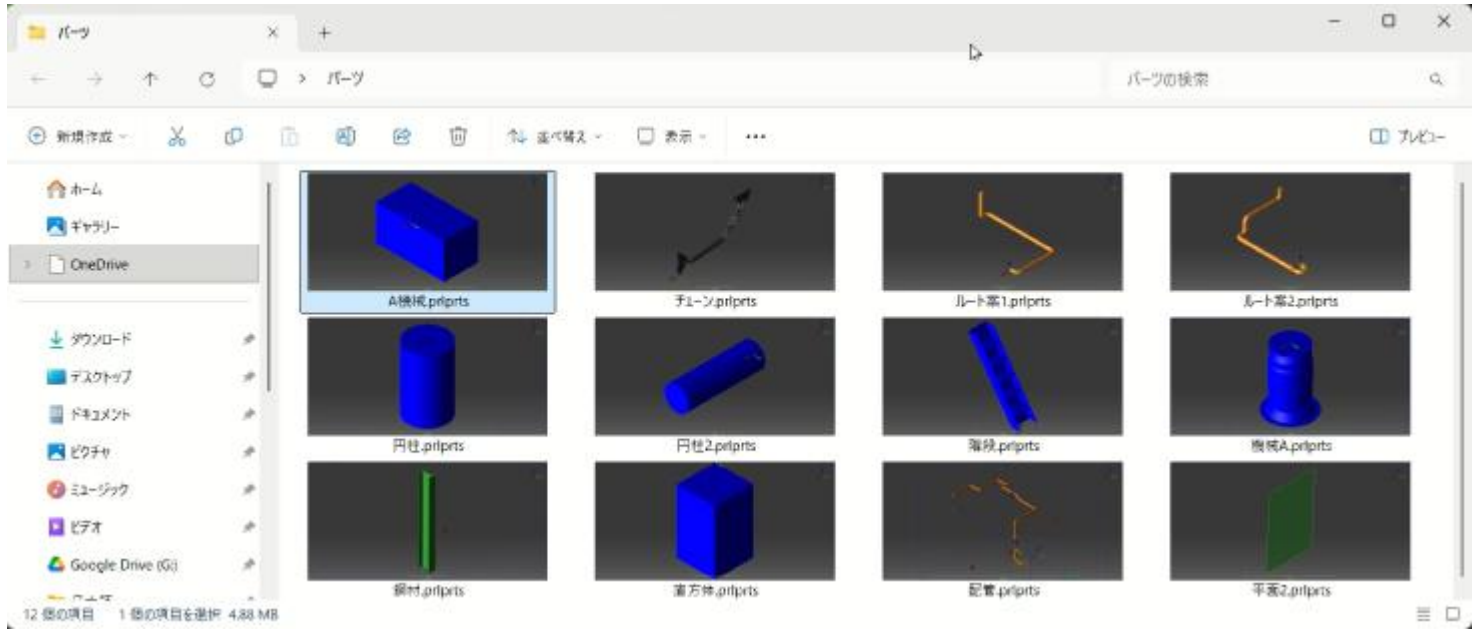
1-a. Part placement function

As Is:

It was necessary to prepare and import models created in PEERLESS or in other software.

To Be:

Models created in PEERLESS or in other software can now be registered and placed as parts.
Saved parts can also be reviewed with thumbnail images.



1-b. Automatic Creation of Insulated Piping

As Is:

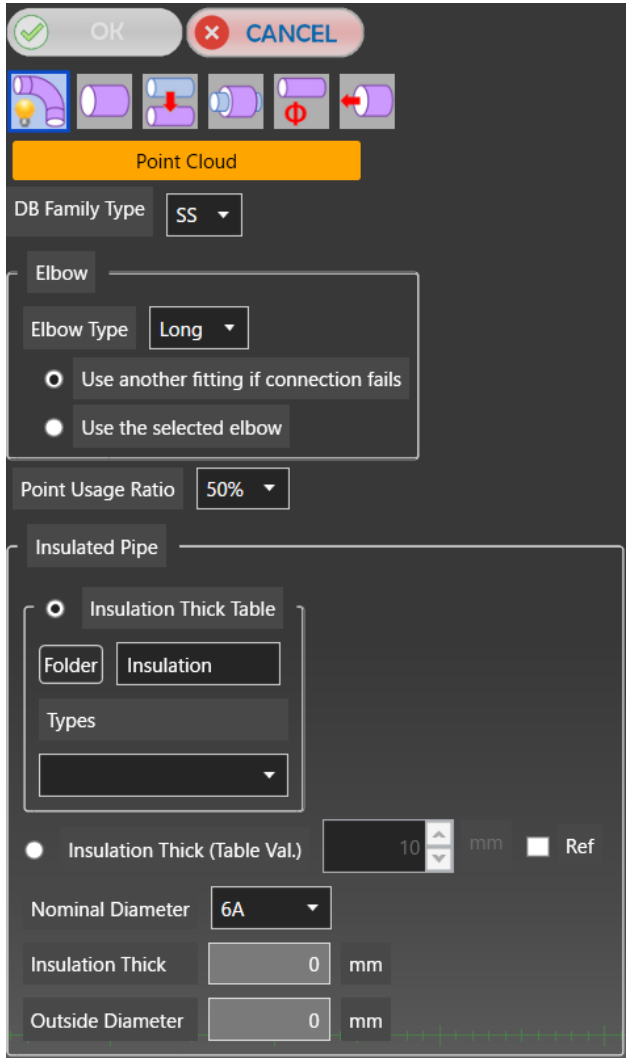
The user specifies either the insulation thickness or the inner pipe diameter to create an insulated pipe.

※ It is not possible to determine the insulation thickness or the inner pipe diameter from point cloud data that only provides the outer diameter of insulated piping.

To Be:

The point cloud on the side surface of the insulation is painted to create a single continuous insulated pipe.
The insulation thickness is automatically calculated using a table that estimates the thickness based on the “pipe application,” “insulation material,” and “outer diameter.”

※ The insulation thickness value is determined with reference to the pipe application and the insulation material.



1-c. Duct Editing

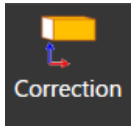
As Is:

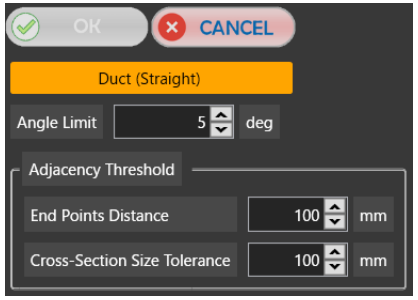
When creating ducts, only correction to align with the coordinate axes was possible.
In addition, unlike piping, there was no connection information between straight ducts and elbows.

To Be:

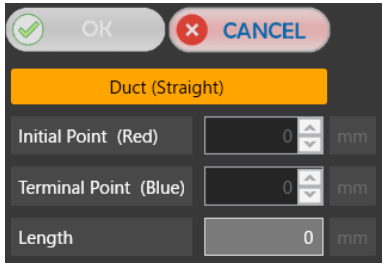
After creating a duct, it is now possible to apply horizontal and vertical corrections while maintaining connection information between straight sections and elbows.

1. Correction

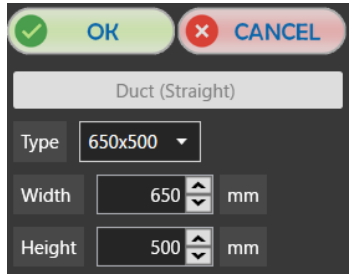




2. Length



3. Resize



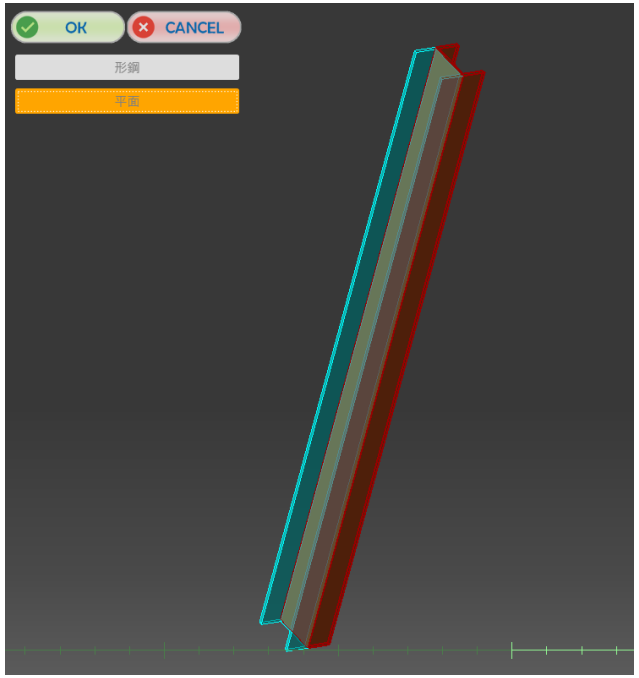
1-d. Steel Mirror Copy

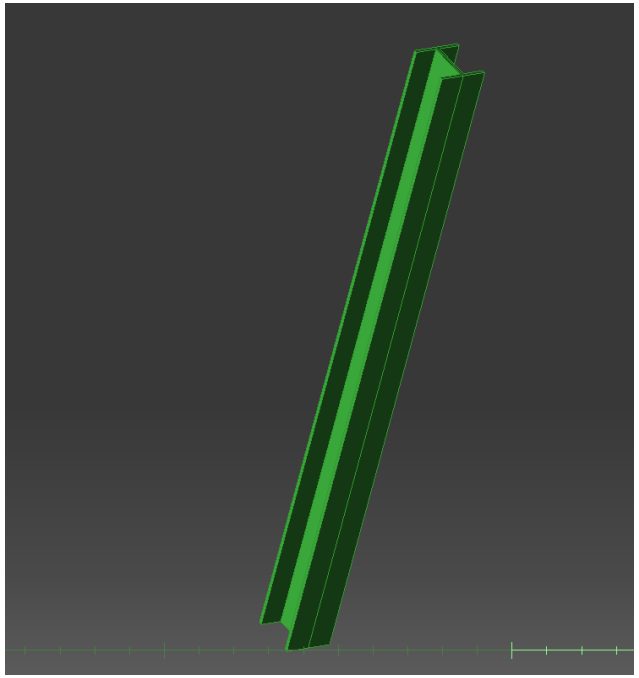
As Is:

When creating back-to-back members such as angle steel or channel steel, they had to be placed manually.

To Be:

After creating a structural member on one side,
it is now possible to create a mirrored structural member across a specified plane using the mirror copy function.

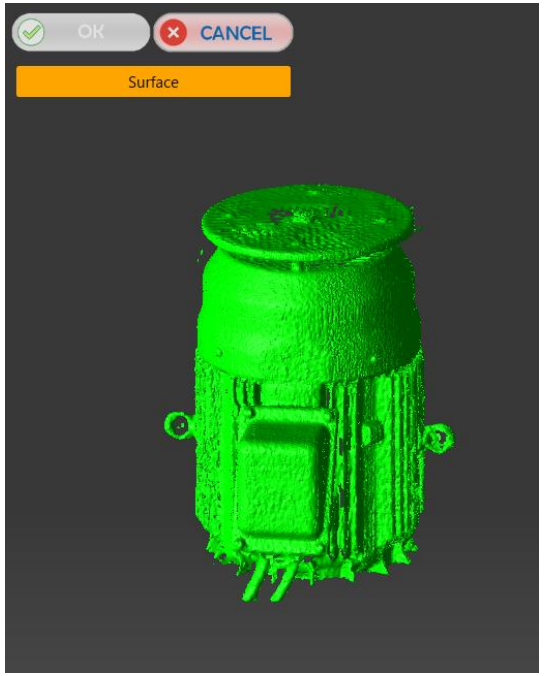




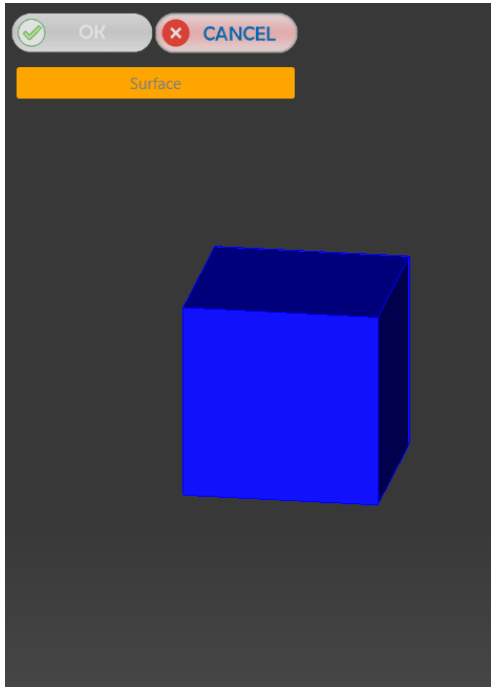
1-e. Estimated Area Measurement

To Be:

It is now possible to calculate the surface area of planes, curved surfaces, and polygon meshes. The calculation results are displayed in three units: square millimeters, square centimeters, and square meters.



Surface area calculated successfully.
Targets (count):1
Surface Area (mm^2) : 1,583,000
Surface Area (cm^2) : 15,830
Surface Area (m^2) : 1.5830
... elapsed time 2.014 sec.



Surface area calculated successfully.
Targets (count):6
Surface Area (mm^2) : 540,000
Surface Area (cm^2) : 5,400.0
Surface Area (m^2) : 0.54000
... elapsed time 0.008 sec.

1-f. RevitLink Family Editor Tool

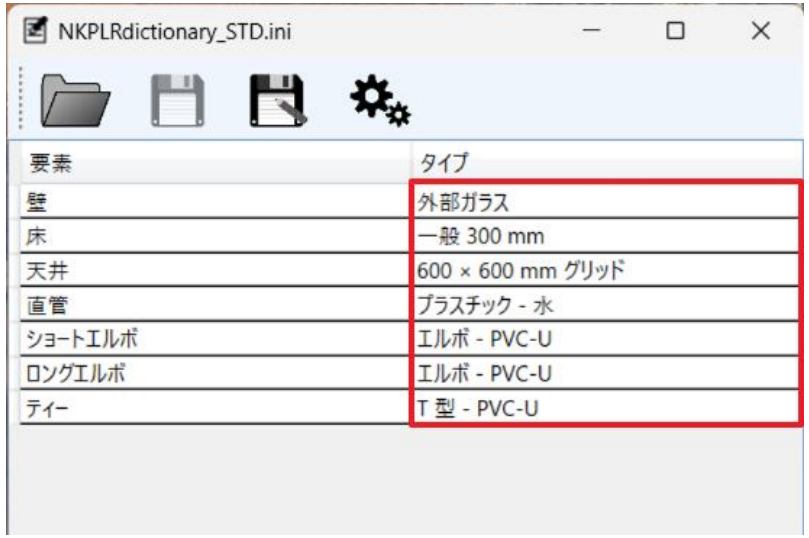
RevitLink File…
A paid optional file dedicated to Revit that allows models created in PEERLESS to be transferred with families for piping, floors, walls, ceilings, and other elements.

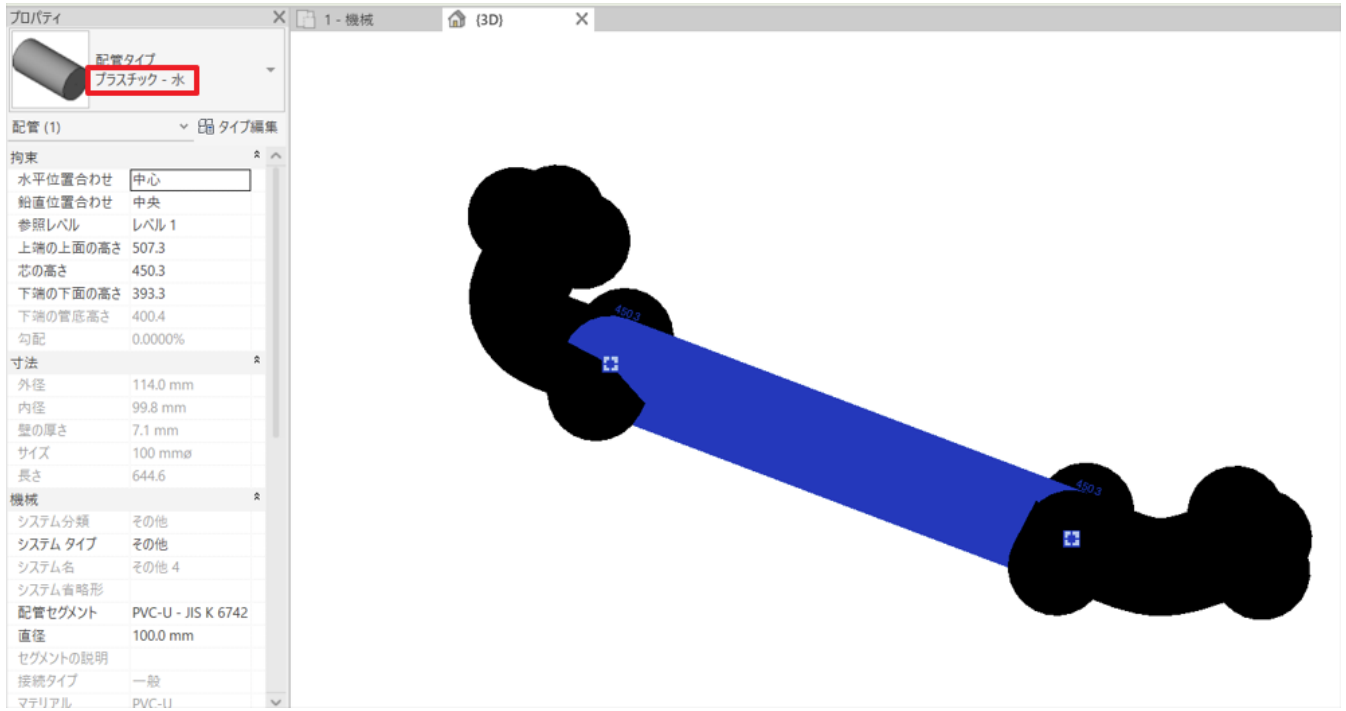
As Is:

Since the families assigned when importing into Revit could not be configured during export from PEERLESS, they had to be modified after importing into Revit.

To Be:

The family assigned during import into Revit can now be configured using the Family Editor tool.

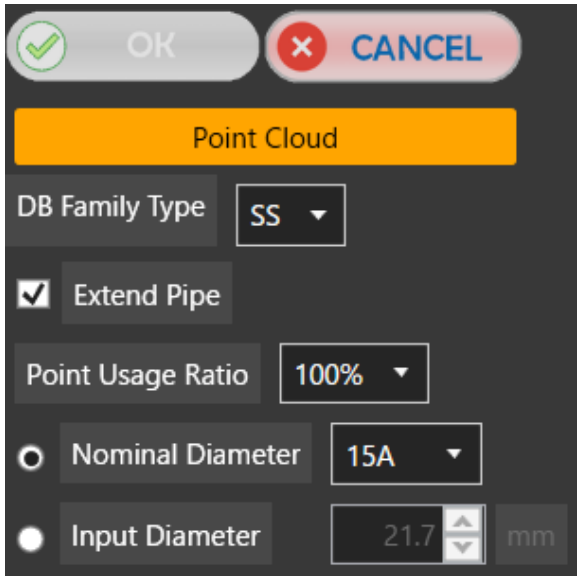




1-g. Automatic creation of small-diameter pipes

To Be:

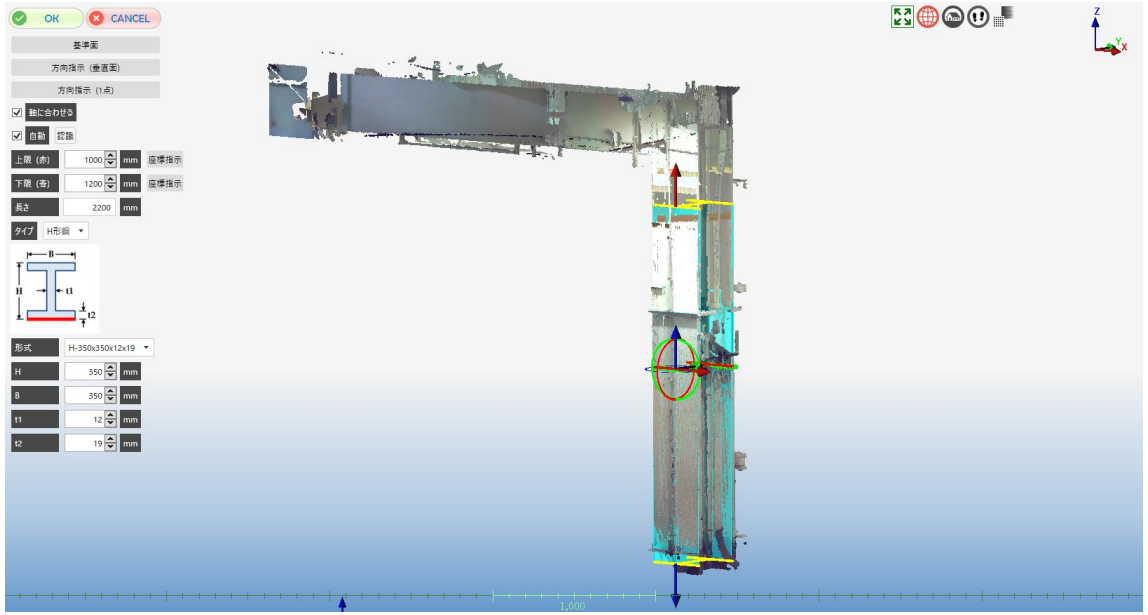
A function has been added to estimate small-diameter pipes whose diameters are difficult to determine due to the absence of point cloud data.
The nominal diameters to be used must be specified in advance.



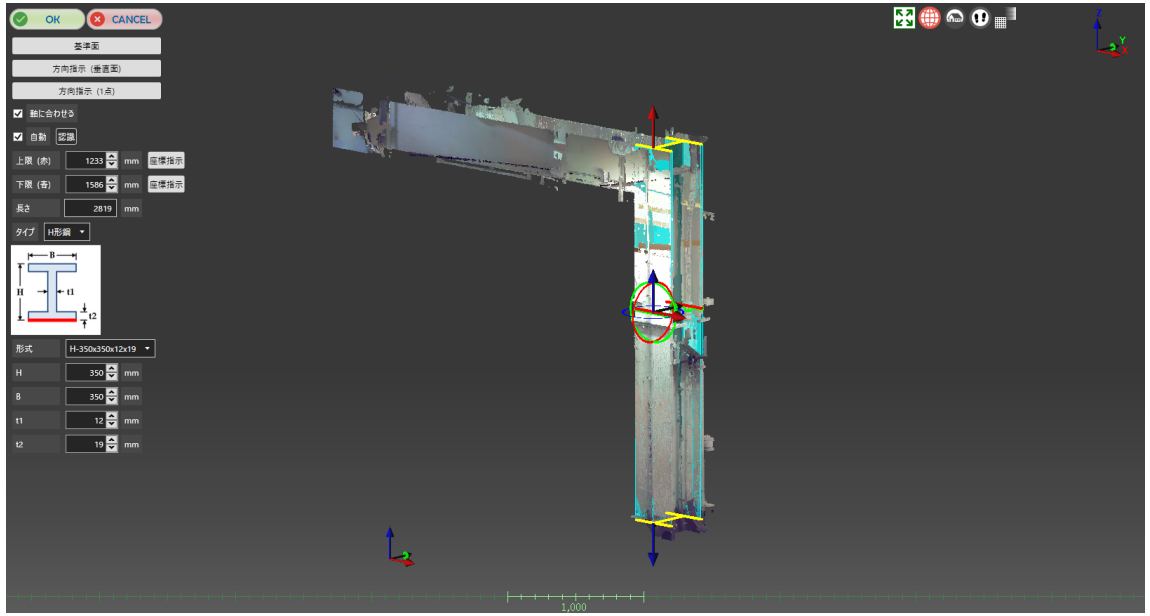
2-a. Length adjustment of structural steel

To Be:

The accuracy of steel member length adjustment performed when recognizing standards from point cloud data has been improved.



2025.2



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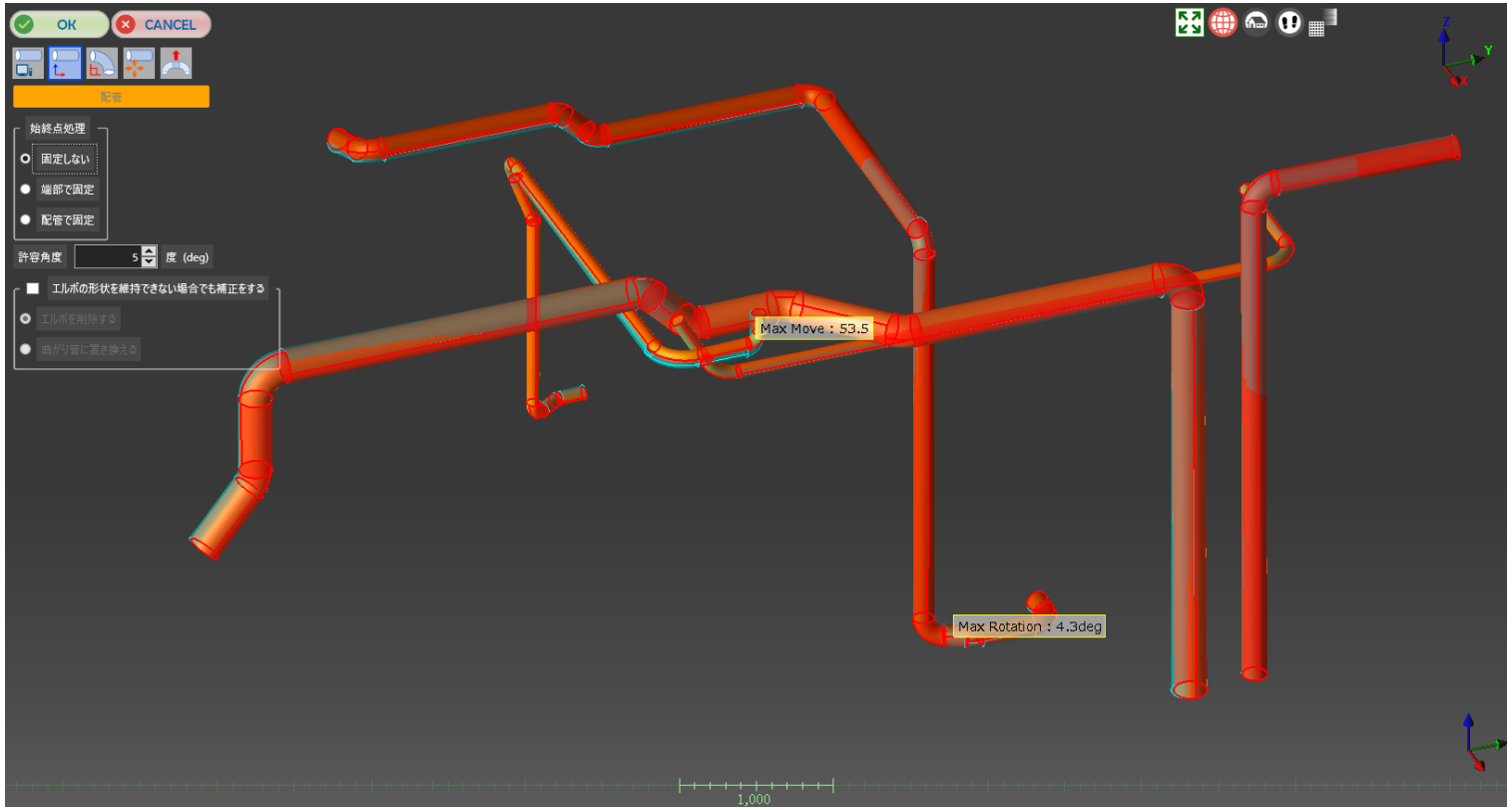
2-b. Multiple Pipe Adjustment

As Is:

It was necessary to correct each connected pipe individually.

To Be:

It is now possible to correct multiple pipes at once.



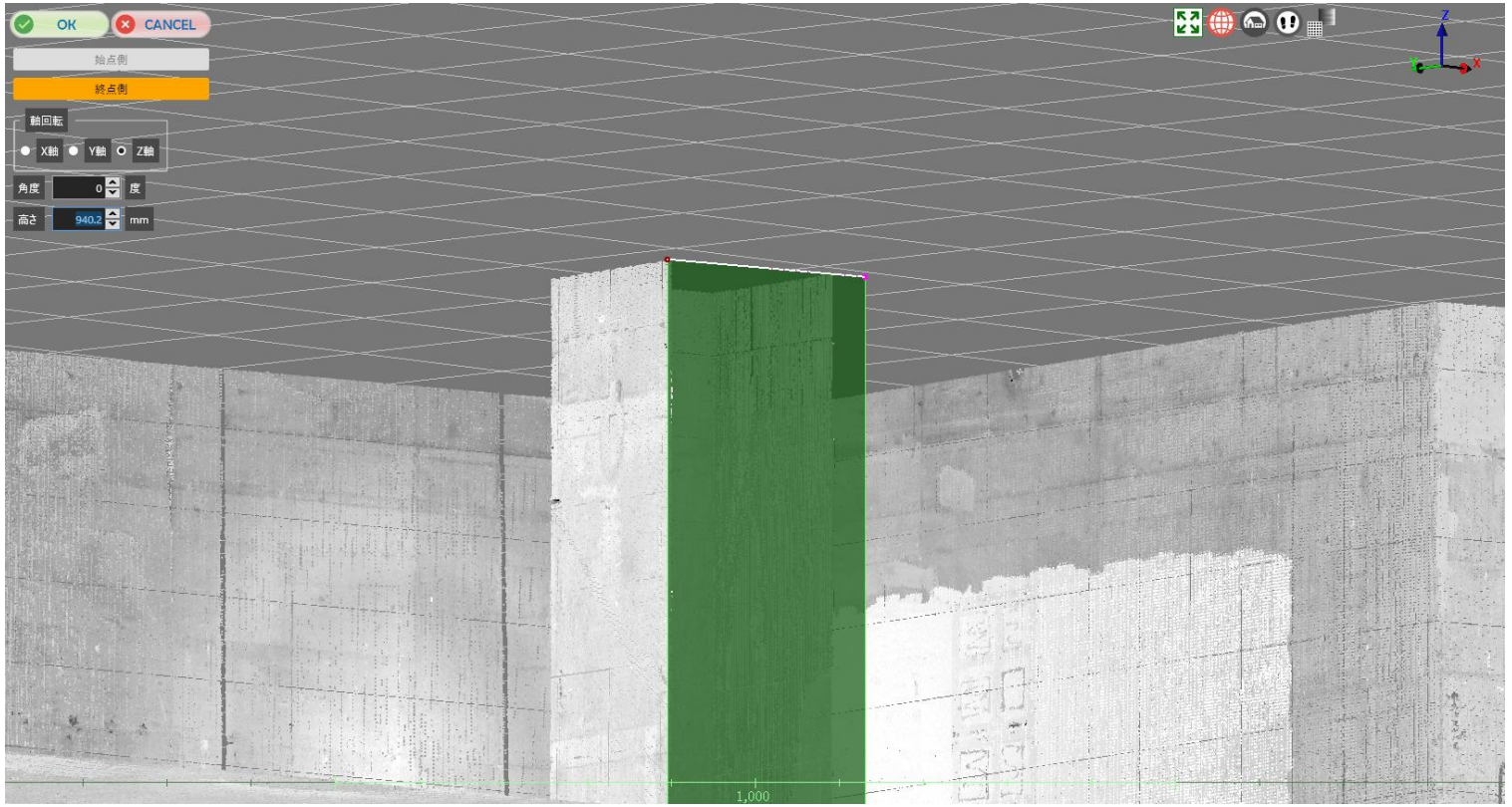
2-c. Adjust to a straight line

As Is:

Only points could be selected for adjustment.

To Be:

When performing corrections, it is now possible to select the endpoints or midpoints of elements.



2-d. Support for IFC4

As Is:

The version of IFC that could be exported from PEERLESS was IFC 2×3.

To Be:

The version of IFC that can be exported from PEERLESS has been upgraded to IFC 4.

2-e. Feature File Support

Feature File(.prlftr)…
A file format that allows shapes to be transferred between project files while retaining attribute information such as straight pipes and elbows created in PEERLESS.

As Is:

3D curves and curved surfaces created in PEERLESS could not be exported when outputting a feature file.

To Be:

When exporting a feature file, it is now possible to export all elements created in PEERLESS, including 3D curves and curved surfaces.

For questions or inquiries,

Please contact peerless-sup@armonicos.co.jp.