



2025.1 Jan-2025 Release !



ClassNK - PEERLESS

2025.1 Upgrade News

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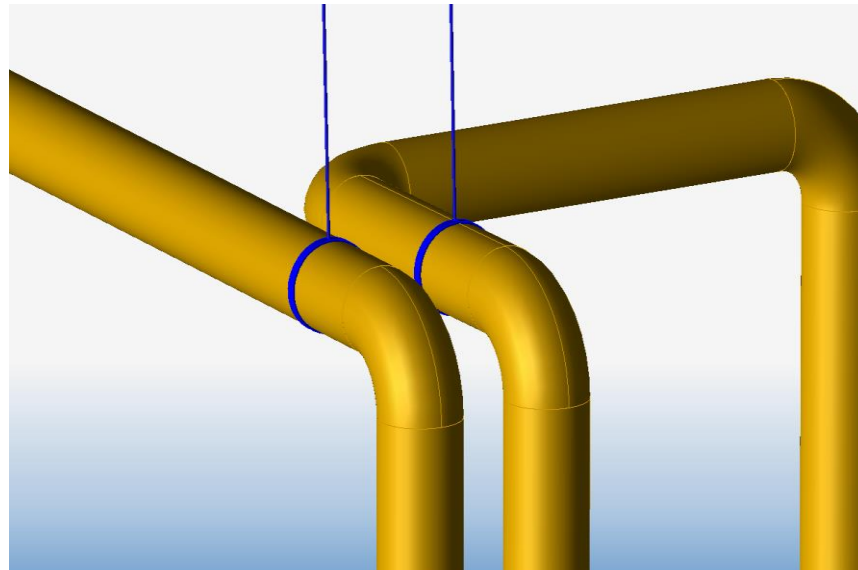
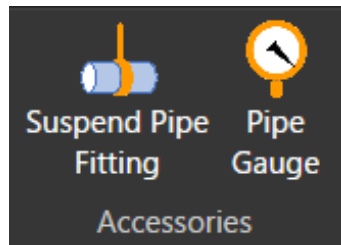
1-a. Creation of Hang band and Gauges

As Is:

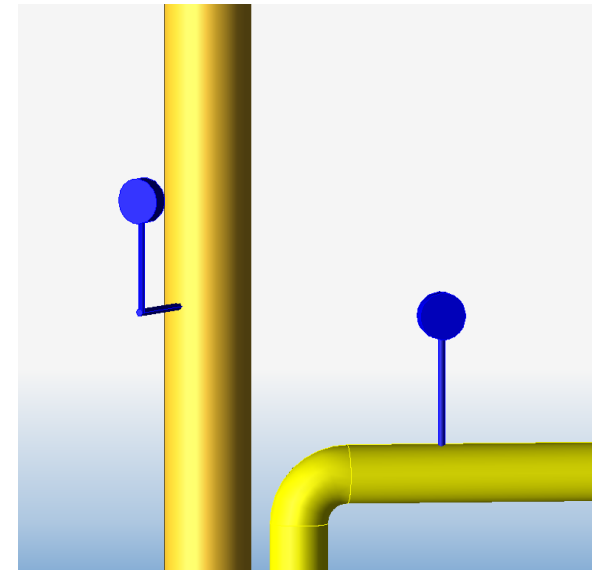
The point cloud of Hang bands or Gauge is shaped by extrusion of cylinders and sketches.

To Be:

A dedicated function to create Hang bands and Gauges is now available.
They can be created with a single command.
The shape created will be a general shape (cylinder).



Suspend Pipe Fitting



Pipe Gauge

1-b. Creation of Poles and Wires

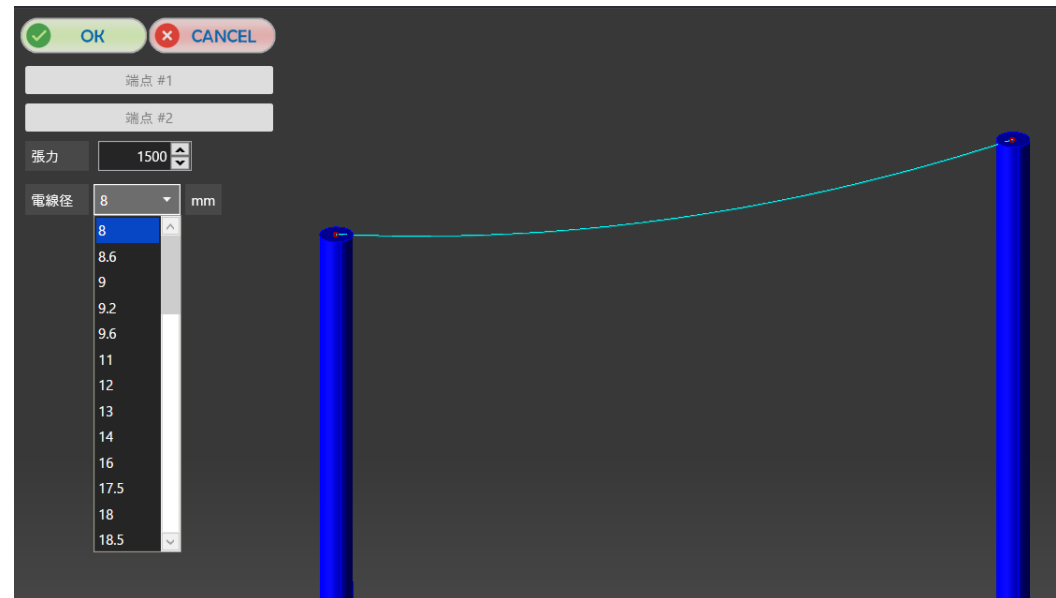
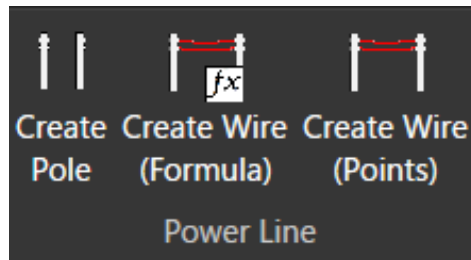
As Is:

It was included as a demo feature.

To Be:

Moved to Standard Functions.

Wire function has been improved to allow creation of Wires with a specified Wire diameter.



Create Wire

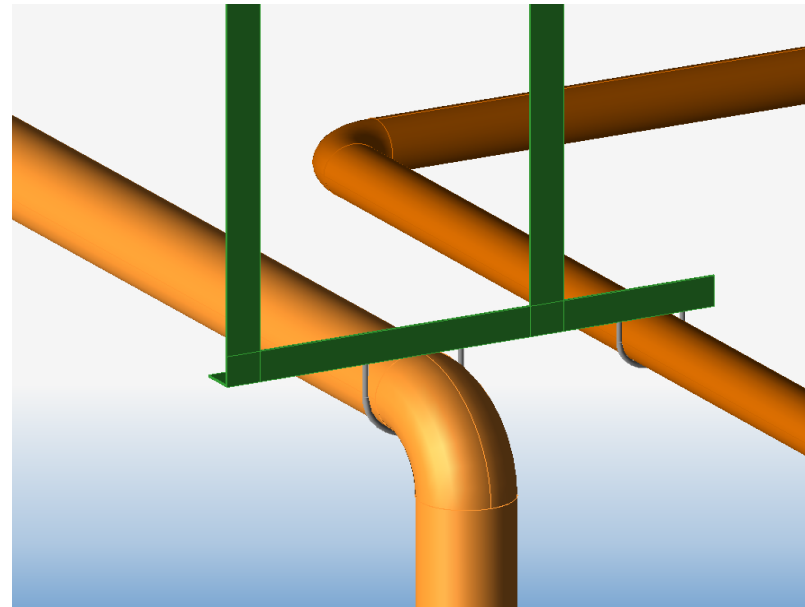
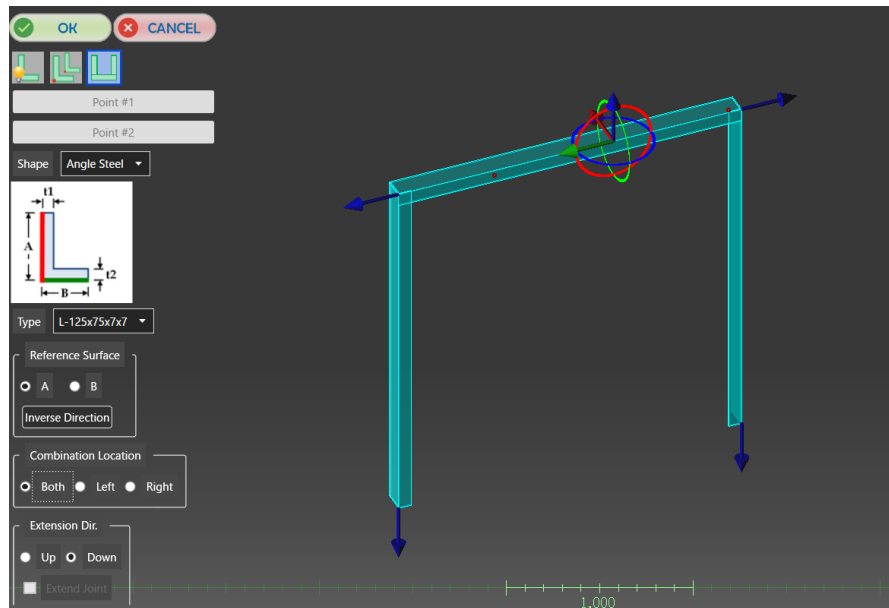
1-c. Creation of combined Shaped Steel

As Is:

Shaped Steel function was used to create one piece at a time.

To Be:

The ability to combined Shaped Steel with a single command is now included.
Shaped Steel members with corners can be created.

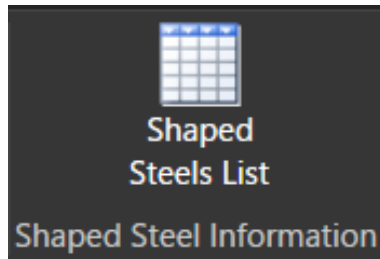


Create combined Shaped Steel with a single command

1-d. Display of the parts list for Shaped Steel

Although there was a function to generate a parts list of the piping system, there was no list for Shaped Steel. This new feature was released in response to user requests.

By selecting the Shaped Steel and want to be included in the list, the list can be created by type and standard.



NUMBER	FEATURE	TYPE	LENGTH	QUANTITY	REMARKS	ID
1	LxShapedSteel	L-60x60x4x4	1508.1	1		029F
2	LxShapedSteel	L-65x65x5x5	3311.9	1		031D
3	LxShapedSteel	L-50x50x4x4	2650.0	1		0320
4	LxShapedSteel	L-65x65x5x5	1168.9	1		03EF
5	LxShapedSteel	L-50x50x4x4	2850.0	1		0316
6	HxShapedSteel	H-350x250x9x14	2817.1	1		03B4
7	HxShapedSteel	H-400x400x13x21	3132.9	1		005A
8	LxShapedSteel	L-50x50x4x4	2657.4	1		031A
9	LxShapedSteel	L-50x50x4x4	1683.1	1		0321
10	LxShapedSteel	L-70x70x6x6	1250.0	1		03C3
11	LxShapedSteel	L-75x75x6x6	1056.0	1		03C2
12	LxShapedSteel	L-60x60x4x4	381.0	1		0328
13	LxShapedSteel	L-50x50x4x4	448.1	1		03D0
14	LxShapedSteel	L-65x65x5x5	747.4	1		0327
15	LxShapedSteel	L-45x45x4x4	1709.2	1		0324

Aggregate Export Cancel

FEATURE	TYPE	LENGTH	QUANTITY	REMARKS
HxShapedSteel	H-350x250x9x14	2817.1	1	
HxShapedSteel	H-400x400x13x21	3132.9	1	
HxShapedSteel	H-350x350x12x19	3147.9	1	
HxShapedSteel	H-250x250x9x14	1785.1	1	
FxShapedSteel	FB-450x16	5100.5	1	
FxShapedSteel	FB-150x9	1377.4	1	
LxShapedSteel	L-60x60x4x4	6959.4	5	
LxShapedSteel	L-65x65x5x5	5228.2	3	
LxShapedSteel	L-50x50x4x4	19586	12	
LxShapedSteel	L-70x70x6x6	2186.2	2	
LxShapedSteel	L-75x75x6x6	1056.0	1	
LxShapedSteel	L-45x45x4x4	1709.2	1	
LxShapedSteel	L-90x75x9x9	1050.5	1	
LxShapedSteel	L-80x80x6x6	856.9	1	

Export Cancel

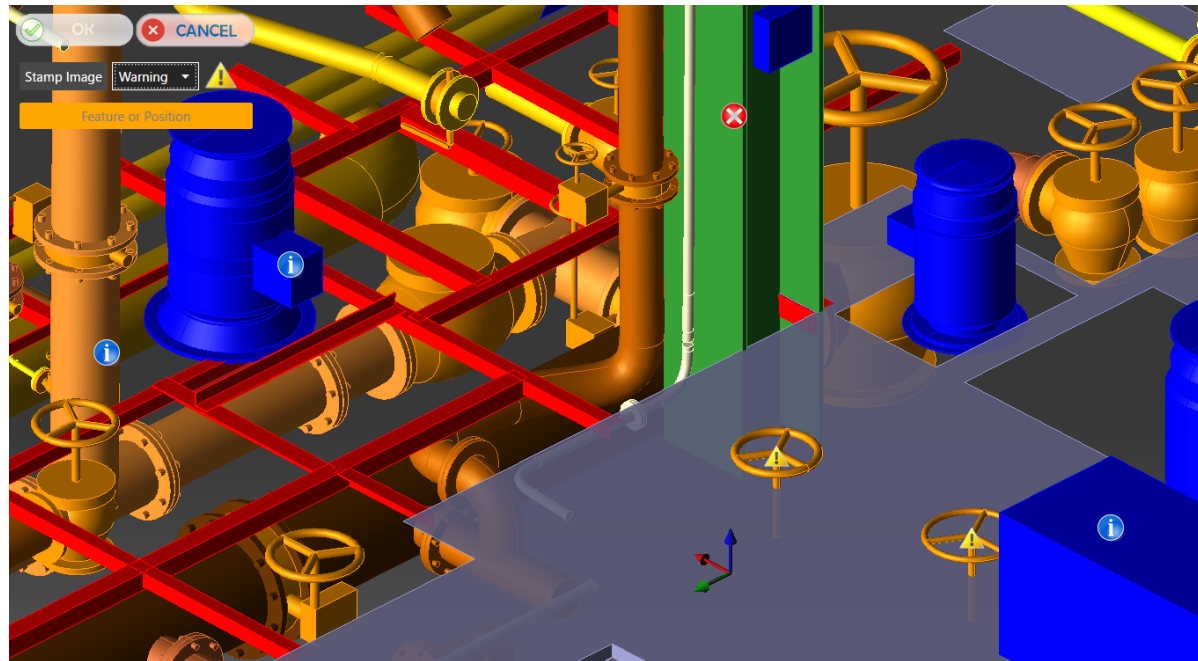
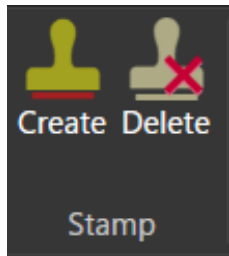
1-e. Creation of Stamp

As Is:

The annotation function was used to add comments and documents as information.

To Be:

A stamp function has been added to easily add information to point clouds and models. Information can be easily conveyed by adding a stamp to easily call attention to a situation such as when modifying a model or checking for collisions.



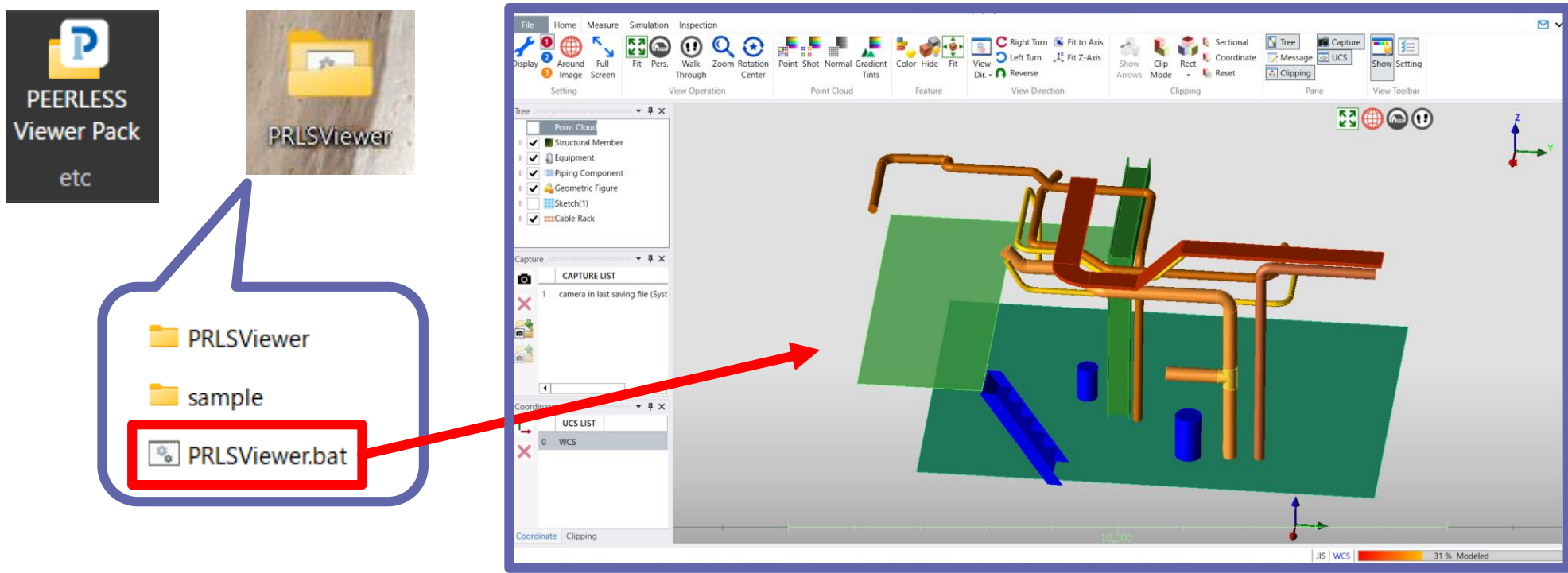
1-f. Installation-free Viewer

As Is:

It was necessary to install license-free Viewer software.

To Be:

An installation-free Viewer is available for those who are security-conscious or unable to install the software.

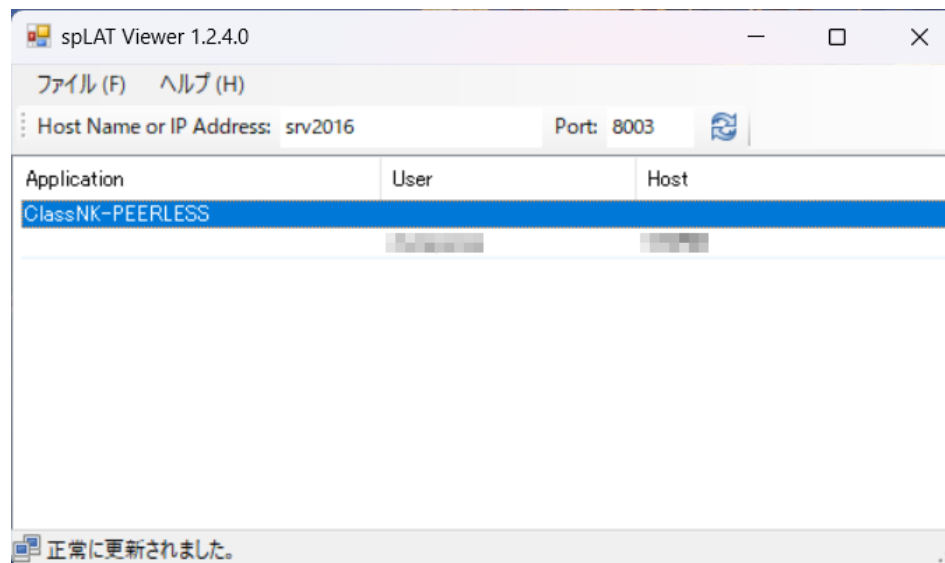


1-g. Implementation of spLAT to check the usage of floating licenses

With a floating license of ClassNK-PEERLESS, if you insert the protection key into the PC for the license server, it can be activated simultaneously on any client PC connected to the network, depending on the number of licenses.

When multiple persons in your company are able to use the software, do you ever have a situation where you do not know who is using the software at the moment?

If you are using floating licenses, you can use spLAT to know who is currently holding the license.



2-a. Switching of piping database

As Is:

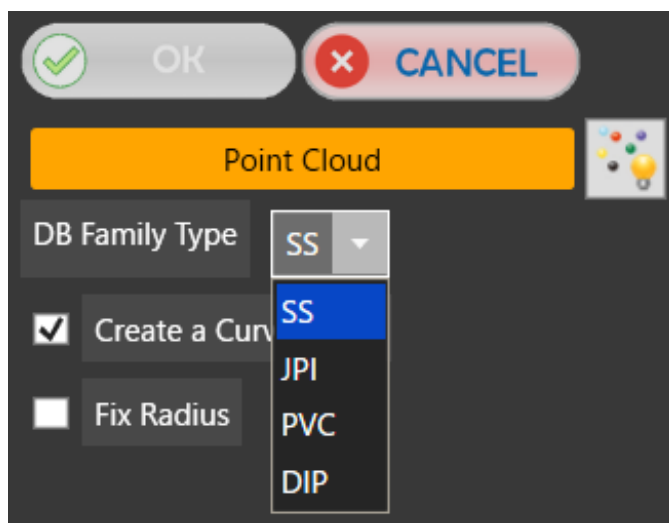
Starting with 2024.2, databases for PVC pipe and other types of pipe have been added in addition to the default steel pipe database.

However, multiple databases could not coexist.

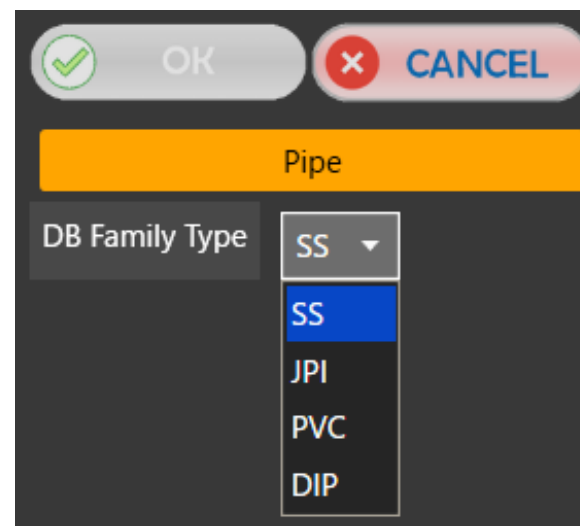
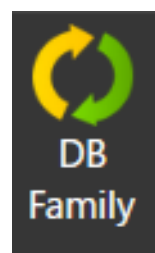
To Be:

The database can now be selected when creating piping.

Materials can also be changed after creation.



Creation



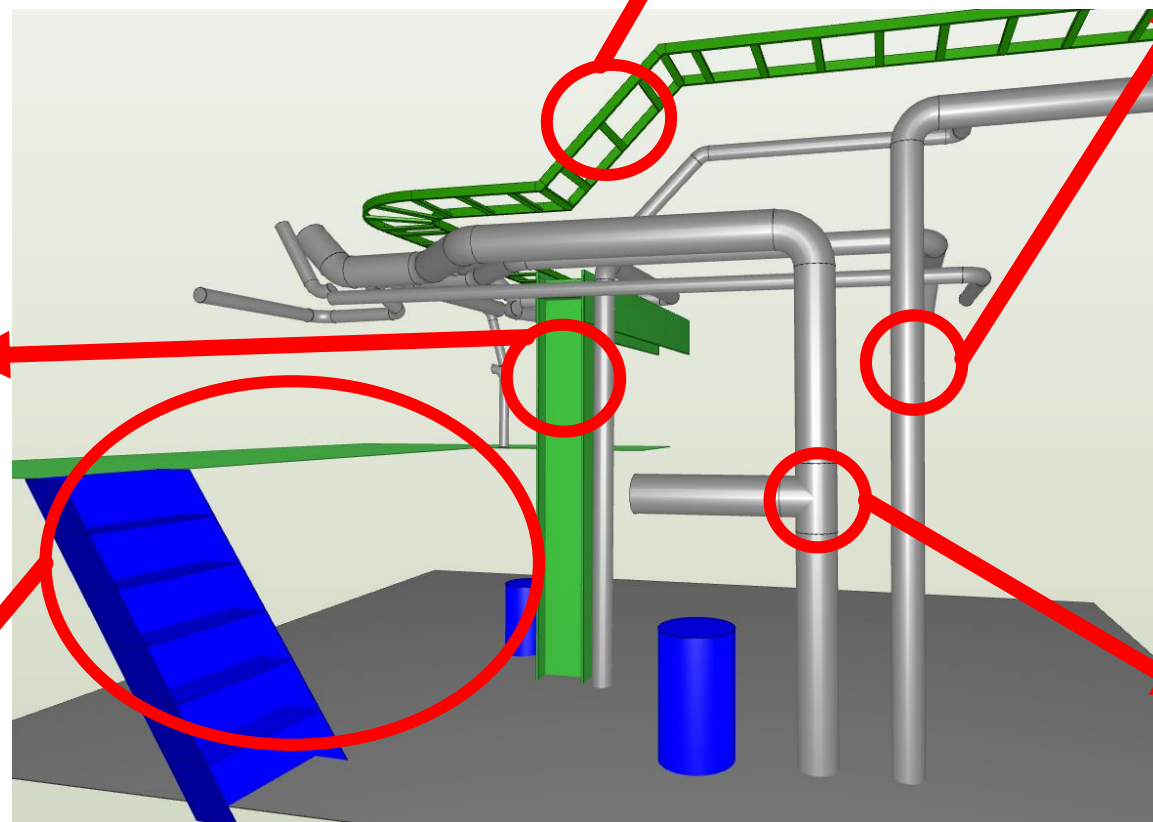
Editing

*1 We now support multiple databases of JIS standards. Other standards such as ANSI will be supported in the future.

*2 For safety valves, only JIS standards are supported. Other standards are supported by 2026.1.

2-b. Enhanced IFC output functions

Enhanced for Rebro.



● その他(ユーザー部材)

共通	
名称	搬送流体要素(IfcDistributionFlowElement)
注釈	
レイヤー区分	汎用
レイヤーグループ	Rebro用2024.2データ.ifc
レイヤー	搬送流体要素(汎用図形) - IfcDistributi...
レイヤーファイル名	Rebro用2024.2データ.ifc

● ケーブルラック

共通	
名称	ケーブルラック 400×50
注釈	
レイヤー区分	電気
レイヤーグループ	Rebro用2025.1データ.ifc(設備)
レイヤー	レイヤー未設定(ケーブルラック - その他(電...
レイヤーファイル名	Rebro用2025.1データ.ifc

● 配管

共通	
名称	その他の配管配管 150A
注釈	
レイヤー区分	衛生 - 給排水
レイヤーグループ	Rebro用2024.2データ.ifc(設備)
レイヤー	その他の(給水・給湯)
レイヤーファイル名	Rebro用2024.2データ.ifc
デザイン	
カスタム	
用途	
材料	
材料サブセット	ステンレス管(Sch10S)+溶接
材料名	配管用ステンレス鋼管 Sch10S
材料の略号	SUS-TP

● 配管

共通	
名称	その他の配管配管 150A
注釈	
レイヤー区分	衛生 - 給排水
レイヤーグループ	Rebro用2025.1データ.ifc(設備)
レイヤー	レイヤー未設定(その他(給水・給湯))
レイヤーファイル名	Rebro用2025.1データ.ifc
デザイン	
カスタム	
用途	
材料	
材料サブセット	鋼管(黒)+溶接
材料名	配管用炭素鋼管(黒)
材料の略号	SGP(黒)

● その他(ユーザー部材)

共通	
名称	その他(IfcBuildingElementProxy)
注釈	
レイヤー区分	建築
レイヤーグループ	Rebro用2025.1データ.ifc
レイヤー	鋼材(2)
レイヤーファイル名	Rebro用2025.1データ.ifc

● その他(ユーザー部材)

共通	
名称	継手(IfcFlowFitting)
注釈	
レイヤー区分	汎用
レイヤーグループ	Rebro用2024.2データ.ifc
レイヤー	継手(汎用図形) - IfcFlowFitting
レイヤーファイル名	Rebro用2024.2データ.ifc

● 継手

共通	
名称	溶接継手(黒) 鋼管製子 ーズ(200)
注釈	
レイヤー区分	衛生 - 給排水
レイヤーグループ	Rebro用2025.1データ.ifc(設備)
レイヤー	レイヤー未設定(その他(給水・給湯))
レイヤーファイル名	Rebro用2025.1データ.ifc

Some models are shown in the same color as PEERLESS models

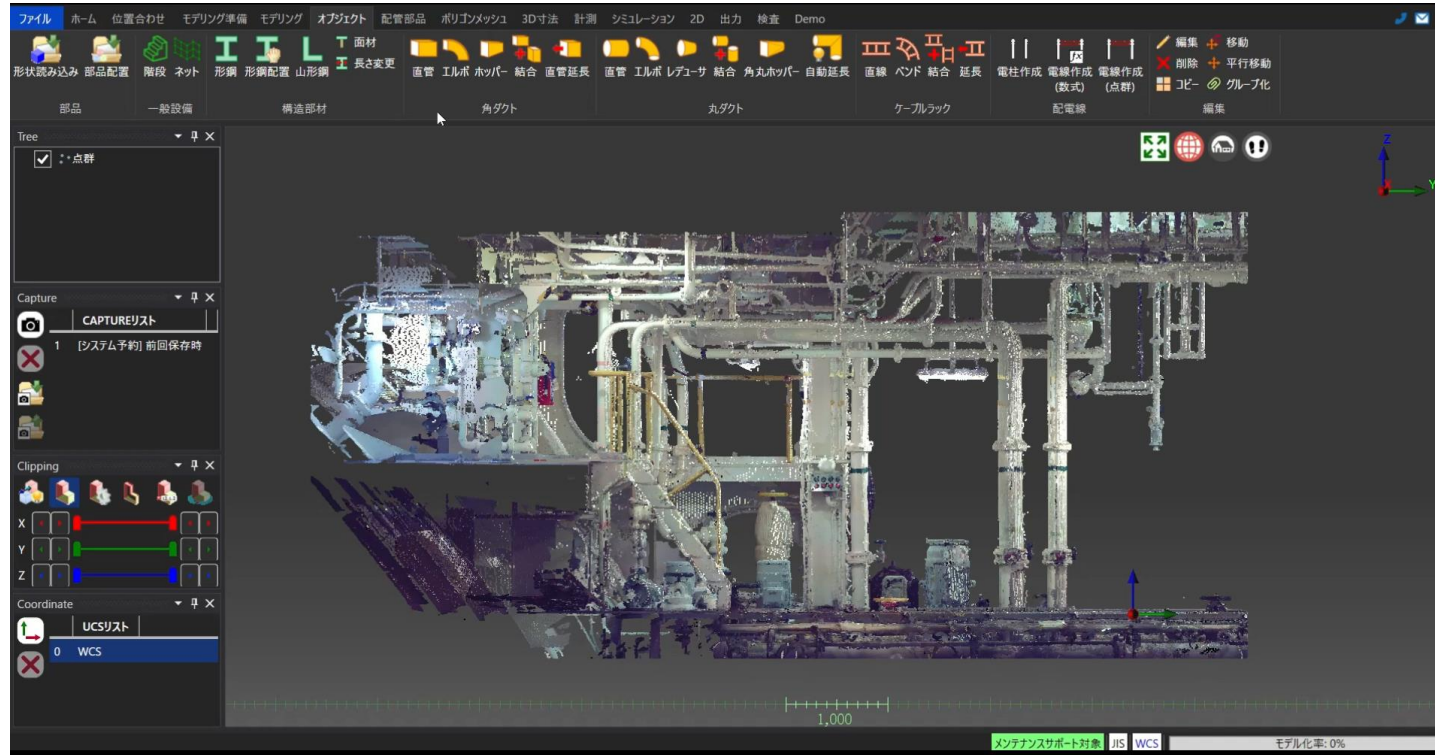
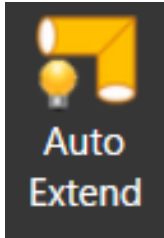
2-c. Implementation of semi-automatic creation of round ducts

As Is:

It was necessary to create the straight duct and elbow sections one by one.

To Be:

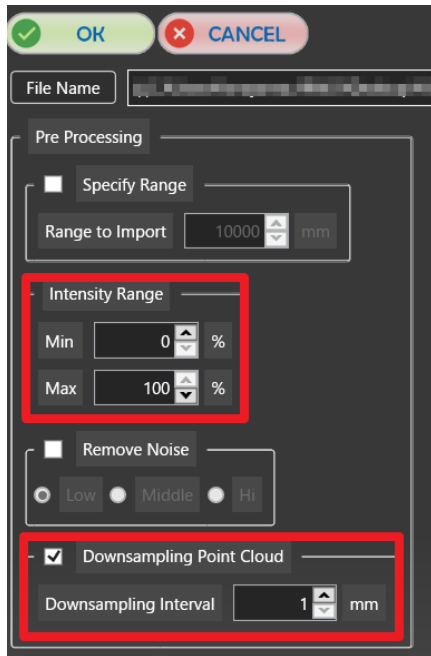
Round ducts can now be created as in the automatic piping creation function.



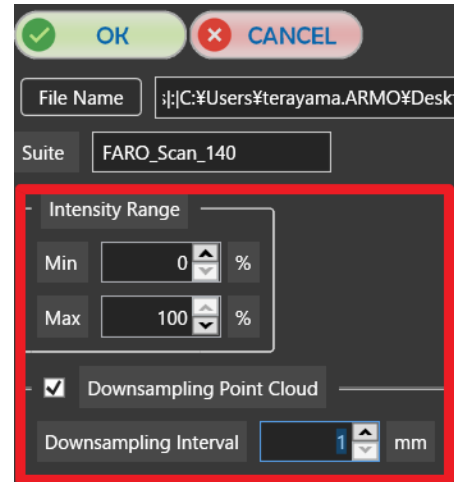
2-d. Faster edit point cloud transformation

The conversion process has been speeded up by changing the processing when converting to a point cloud for editing. In some cases, processing was extremely slow, but this has been improved. Some point clouds have not been improved to a great extent.

The operation panel has been changed as a result of this modification.



[File] – [Point Cloud Preparation] – [Simple Mode] – [Point Cloud]

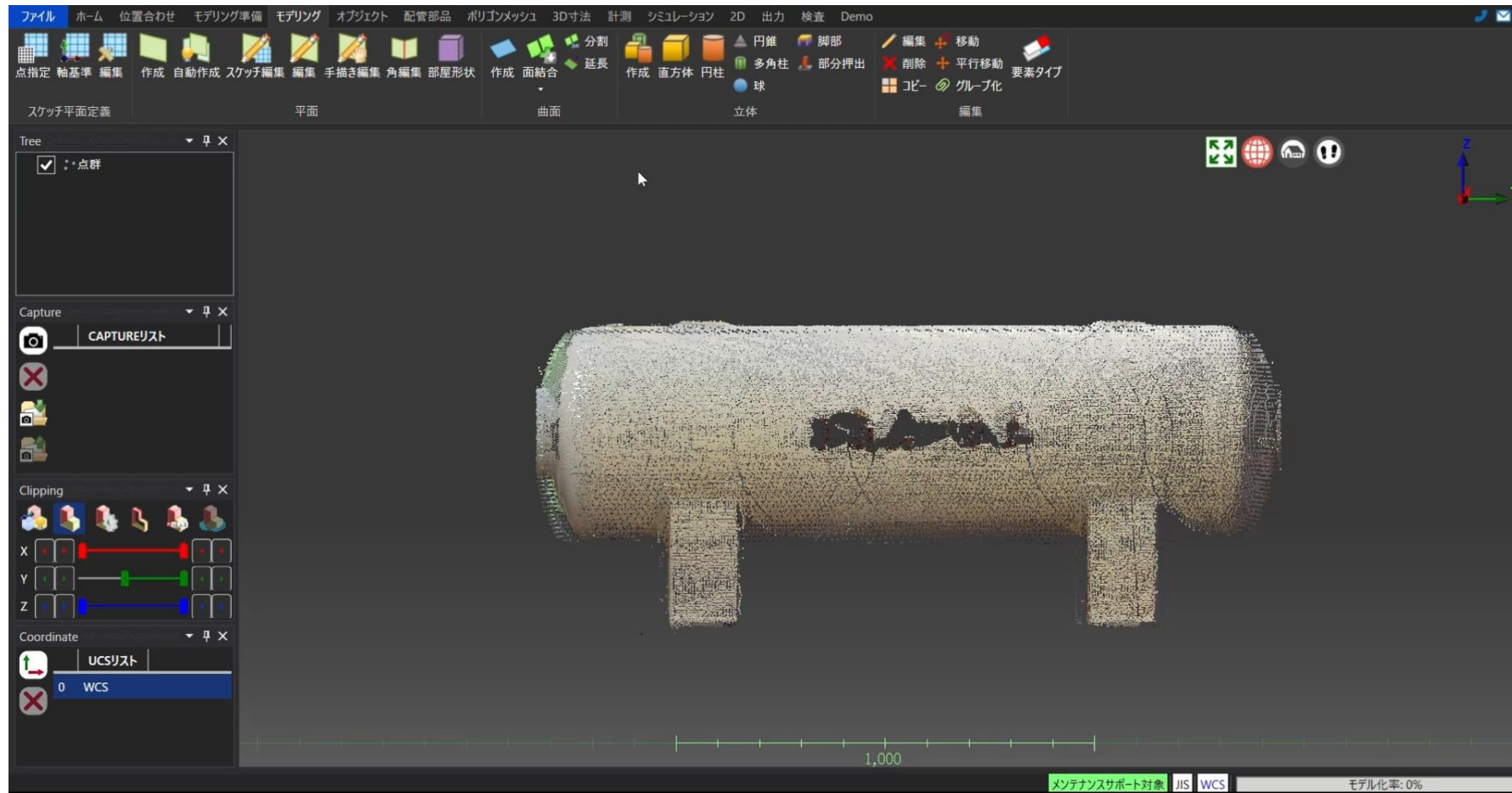


[File] – [Point Cloud Preparation] – [Custom Mode] – [Point Cloud]

- Additional Intensity range
- Point cloud thinning (default 1mm) is normally ON

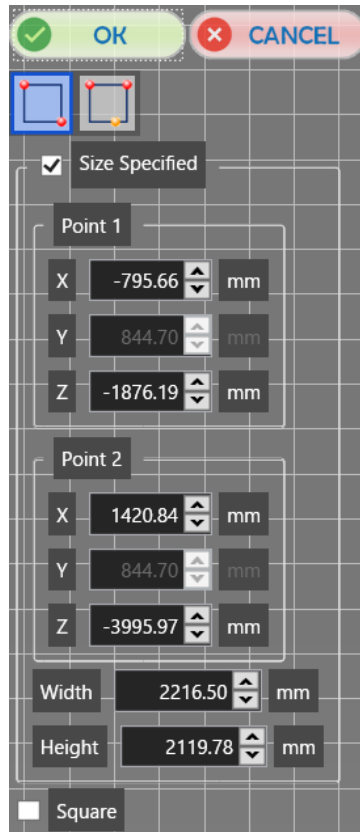
2-e. Other minor improvements

In [Modeling] - [Primitives] - [Cylinder] - [Side], a point cloud selection method has been added and the function has been improved so that bulges at both ends can be semi-automatically recognized and created from the point cloud.



2-e. Other minor improvements

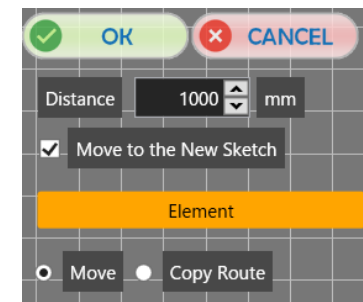
In [SKETCH] - [Sketch] - [Line/Rectangle], if you check the “Specify Size” checkbox, if you check the “Size” checkbox, you can finely adjust the coordinate values of the first and second points you specify.



You can create a circular arc from the opening angle of the arc in [SKETCH] - [Sketch] - [Arc].



[Sketch] - [Create 3D Model] - [Sketch], when creating a sketch plane at a specified distance from the currently edited sketch plane, Sketch lines in the currently edited sketch plane can be copied and moved.



2-e. Other minor improvements

Scrolling with the mouse wheel is now supported in the Coordinate and Capture panes.

The display/hide status of the report saved by the Dynamic Collision Check/Static Collision Check can be maintained at the time of the last save.

Other minor improvements have been made.

For questions or inquiries,

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