2025.2 Jun-2025 Release !

ClassNK-PEERLESS

2025.2 Upgrade News

Index

1-a. Implementation of CloudMode

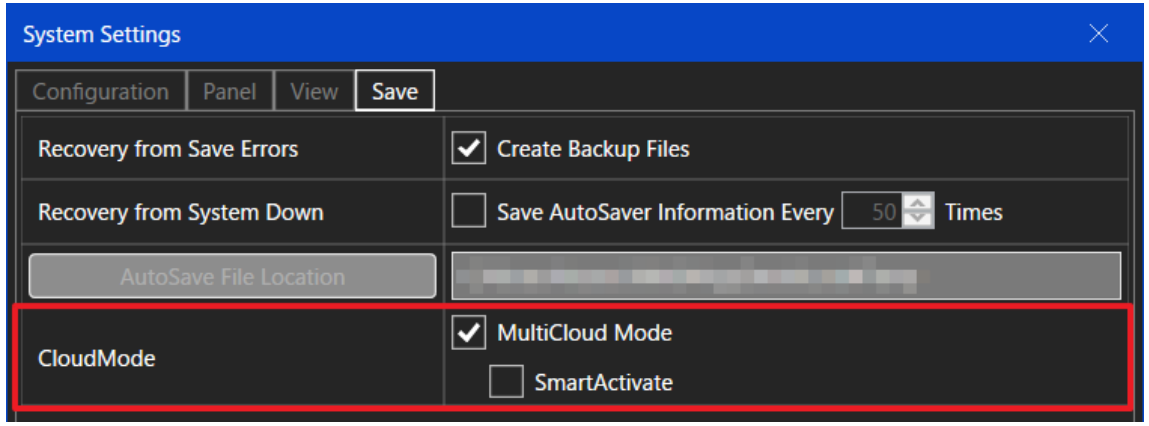
As Is:

If multiple point clouds existed for modeling, they had to be merged.

To Be:

CloudMode can be selected from “ SingleCloud ” and “ MultiCloud ”.
“ SingleCloud ” is the same mode as before, where all point clouds are merged into one for modeling.
“ MultiCloud " allows modeling with multiple point clouds.
Modeling is performed by switching the active point cloud from multiple point clouds.

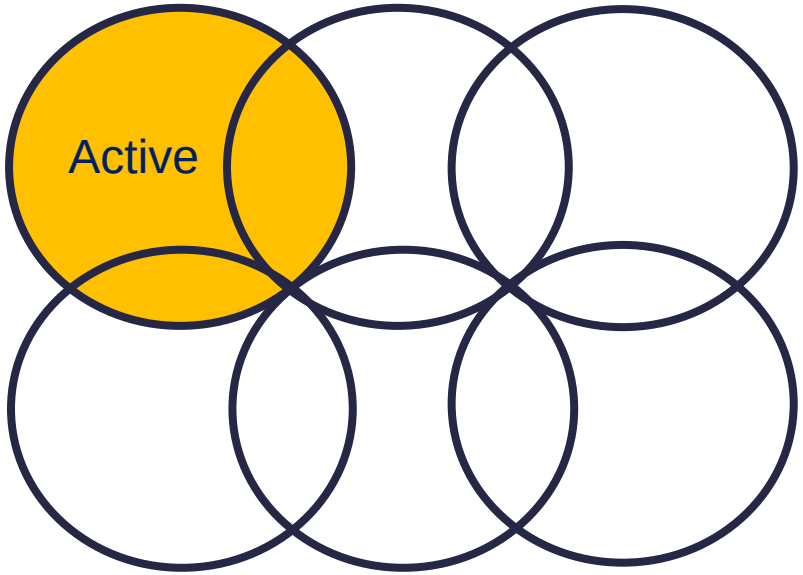
CloudMode can be changed from the system settings.



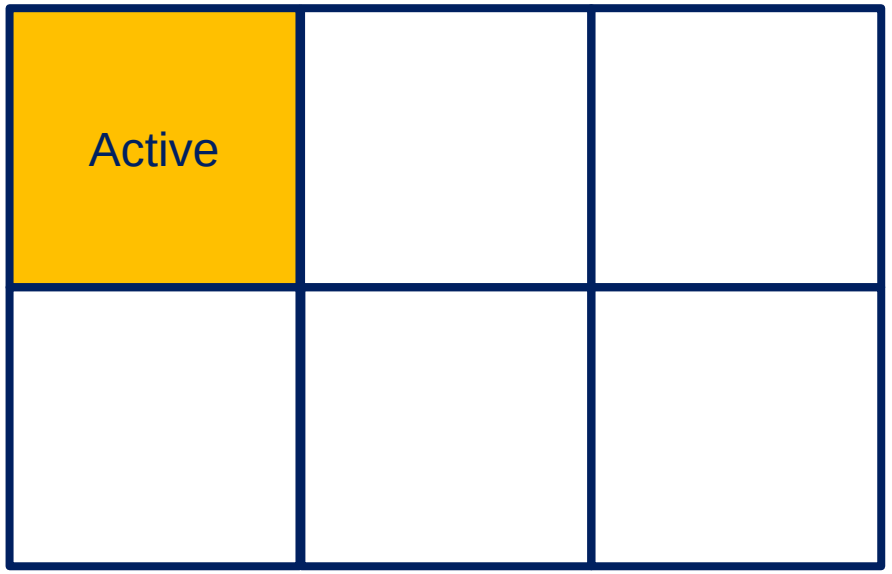
1-a. Implementation of CloudMode

MultiCloud Image

△ **Multiple point clouds exist for each shot.**



○ **There are multiple point clouds divided by area.**



1-b. Creation of Steel Correction

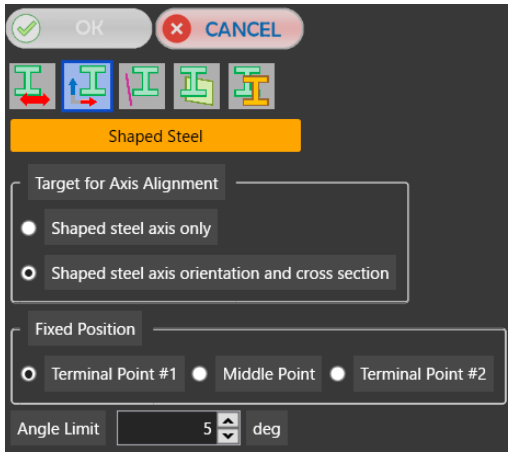
As Is:

Only correction to align with the coordinate axes was possible when creating steel members.

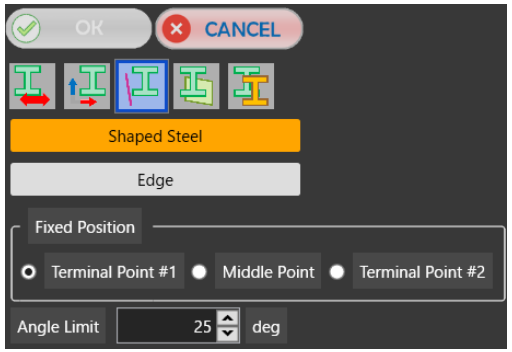
To Be:

After creating steel members, it is possible to make corrections in both the cross-sectional and axial directions.
Corrections can be made not only to align with the coordinate axes but also to align with planes such as walls within the site.

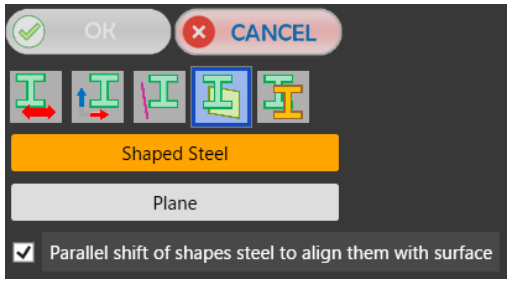
1. Adjust Coordinate Axis



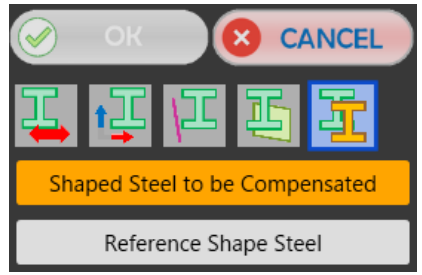
2. Aligen Axis by Specifying Edge



3. Face Fit



4. Corrected by reference steel section



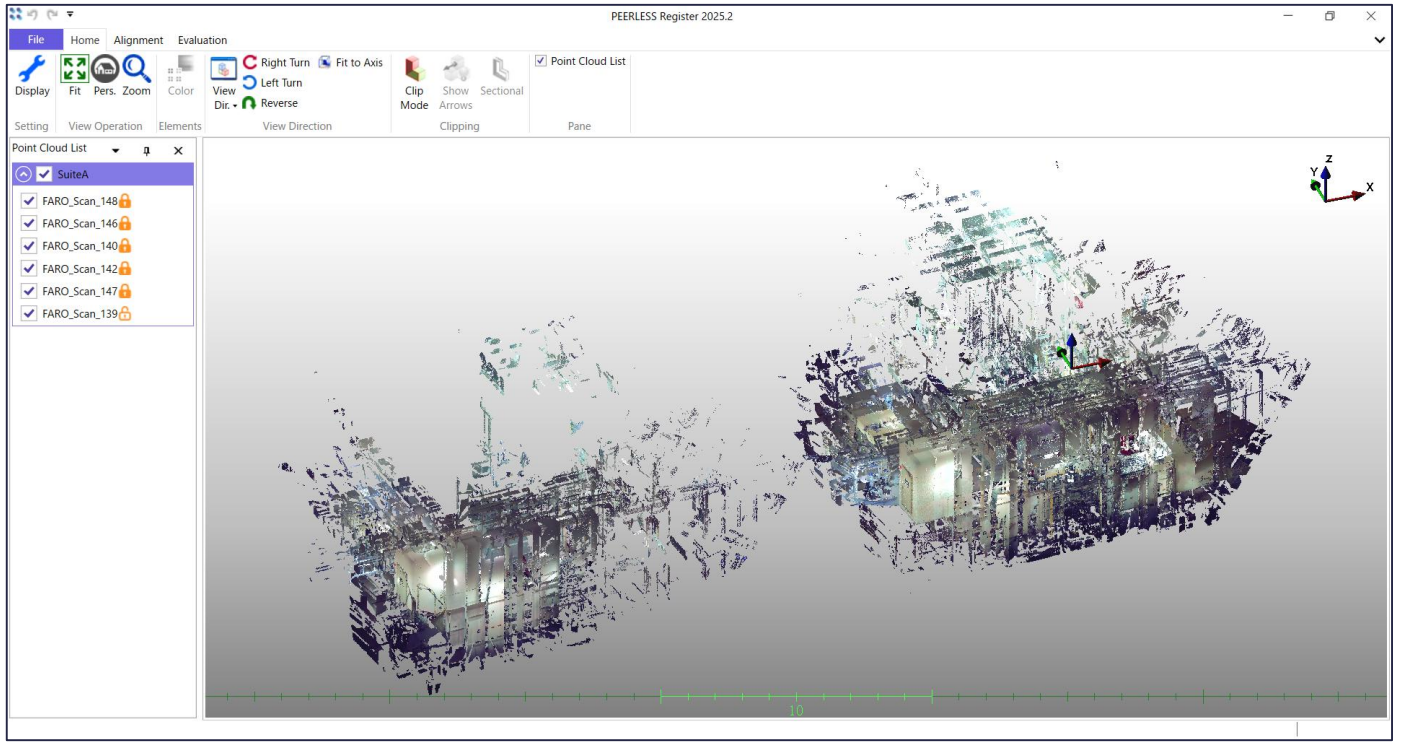
1-c. PEERLESS Register

As Is:

The modeling was done by reading the pre-aligned point cloud.

To Be:

Alignment is now possible with PEERLESS Register.



1-c. PEERLESS Register

Use cases

A. Not all point clouds are aligned

- When you load into PEERLESS and feel that alignment is needed before modeling.

B. Some point clouds are not aligned

- When you find a shot that is out of alignment during modeling and need to align it.

C. Add additional measured point clouds

- When additional measurements are made during or after modeling and alignment is required.

1-d. Display UCS coordinate

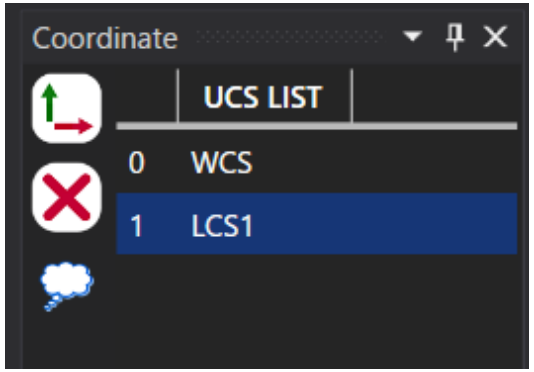
- When the point cloud is far from the origin of the world coordinate system.
- When using point cloud data modeled in a local coordinate system by converting it back to the world coordinate system.

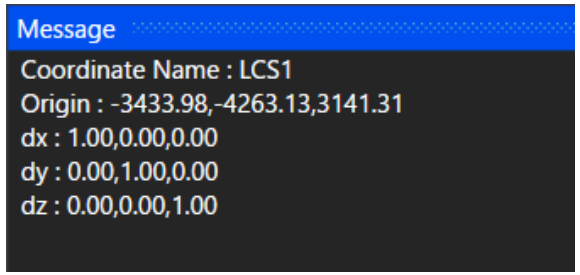
As Is:

The amount of movement from the WCS (origin of the world coordinate system) to the LCS (origin of the local coordinate system) for each XYZ was calculated and moved by the post-processing software.

To Be:

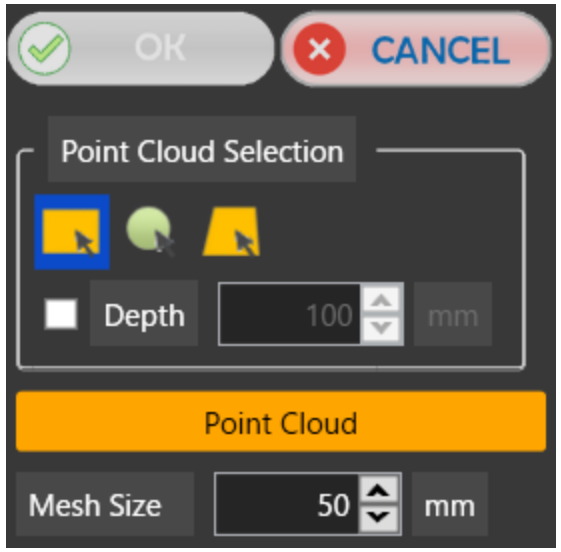
By using a dedicated command, the amount of movement from the WCS (origin of the world coordinate system) to the LCS (origin of the local coordinate system) is displayed in the message pane for confirmation, and then moved by the post-processing software.

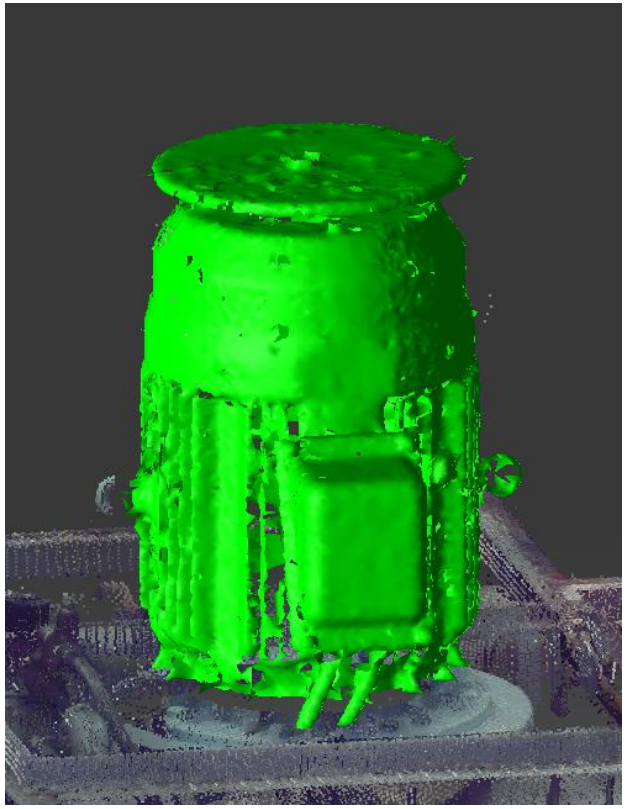




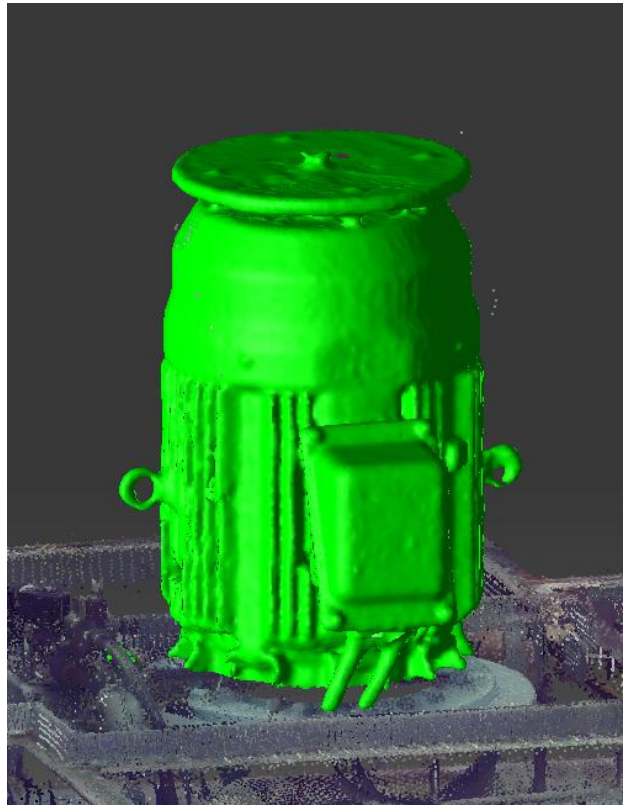
2-a. Enhanced Polygon Mesh

Enhanced polygon mesh creation functionality.
Processing time is shorter than before, and mesh quality, such as holes, has been improved.





2025.1



2025.2

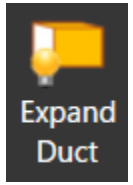
2-b. Implementation of semi-automatic creation of rectangular ducts

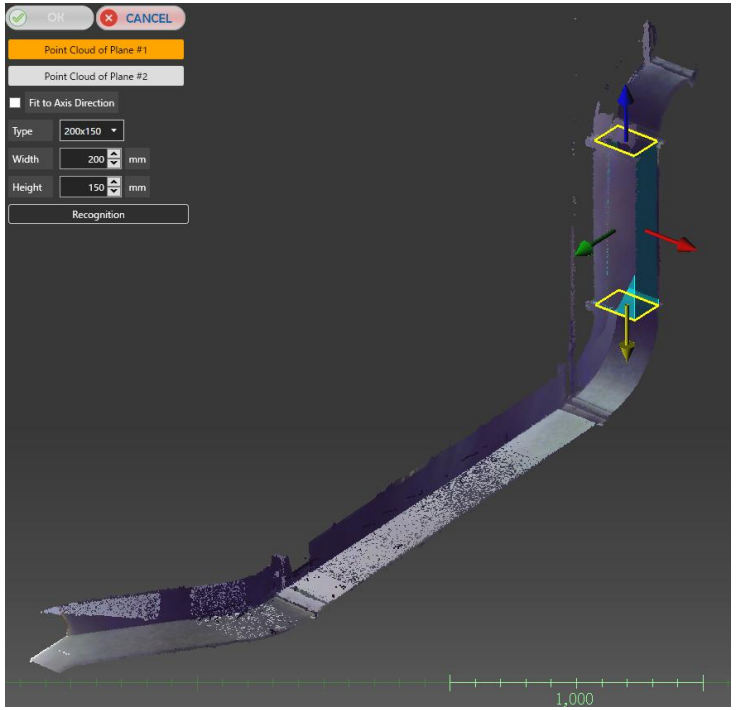
As Is:

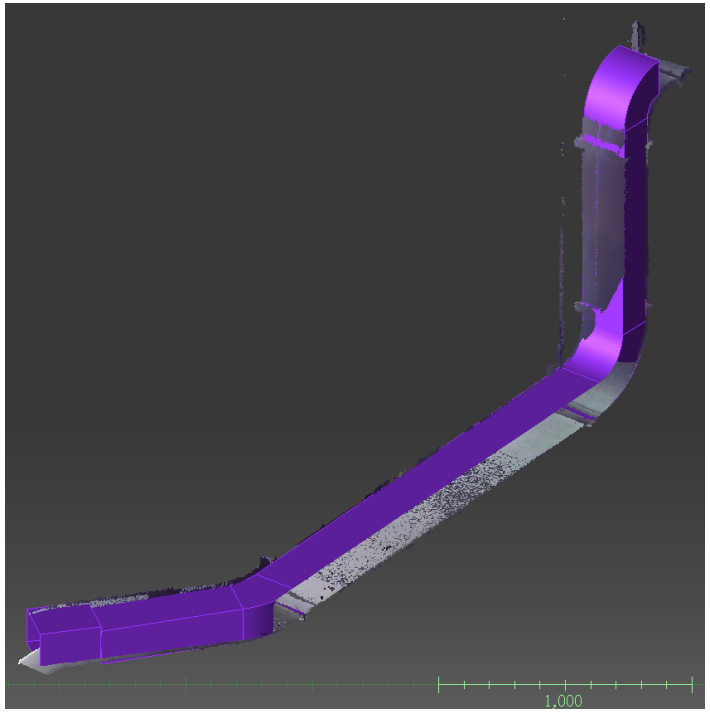
It was necessary to create the straight duct and elbow sections one by one.

To Be:

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

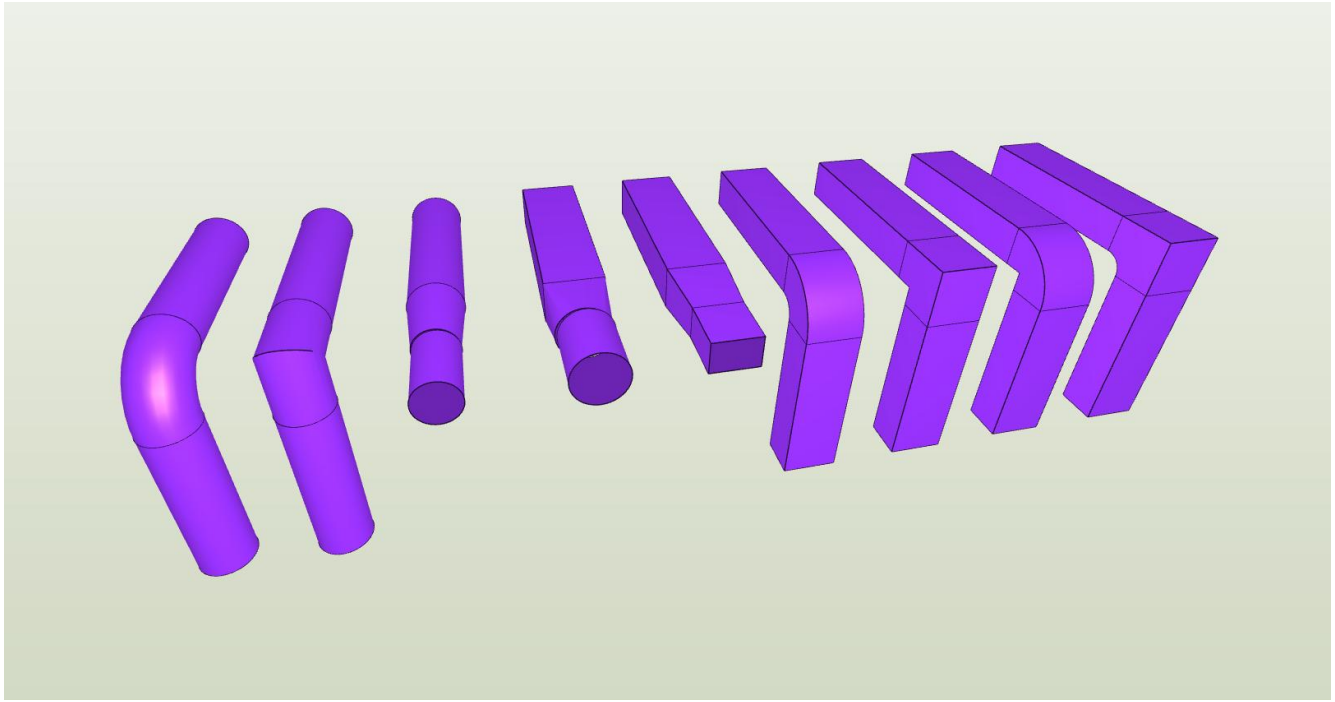






2-c. Enhanced IFC output functions

Enhanced for Rebro.



As Is

⊟ 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	1.ifc
レイヤー	ダクト（汎用図形）
レイヤーファイル名	1.ifc
⊞ デザイン	
⊞ カスタム	
⊞ サイズとルート	
⊟ 部材情報	
機器番号	
枝番号	
名称	搬送流体要素(IfcDistributionFlowElement)
型番	
備考	

To Be

⊟ 共通	
名称	給気ダクト 550×400
注釈	
レイヤー区分	空調－ダクト
レイヤーグループ	2.ifc(設備)
レイヤー	給気
レイヤーファイル名	2.ifc
⊞ デザイン	
⊞ カスタム	
⊟ 用途	
用途	給気
⊟ 材料	
材料サブセット	共板ダクト(低圧) 亜鉛鉄板
材料名	亜鉛鉄板

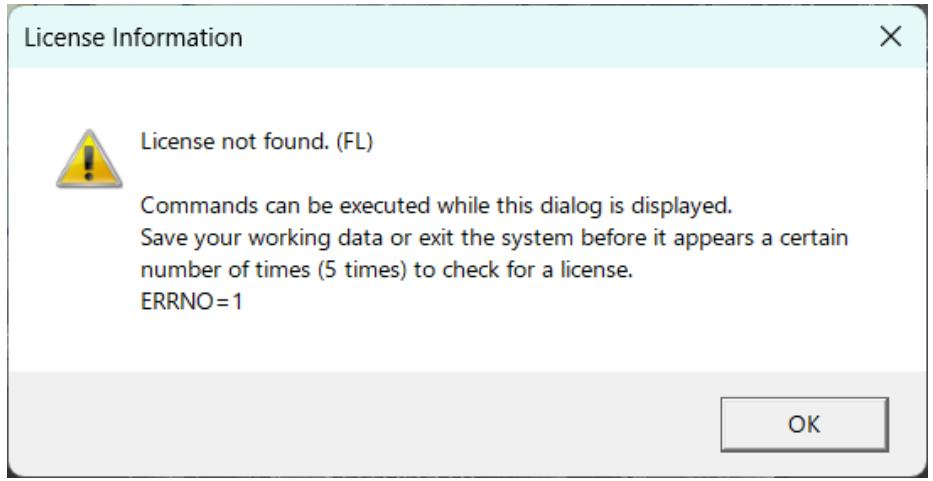
2-d. Response When a Floating License Connection Is Lost

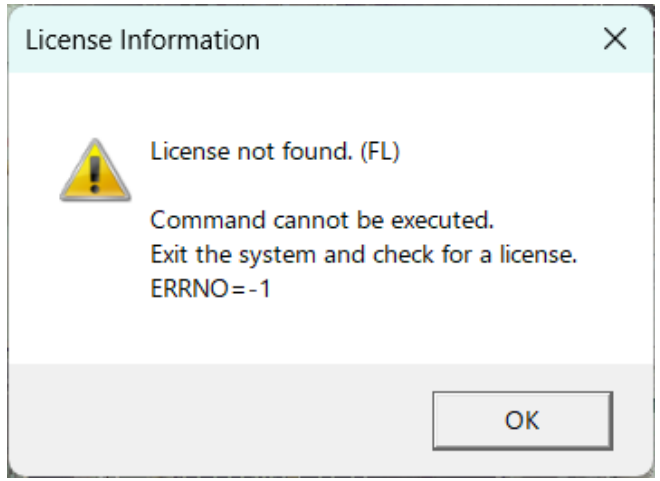
As Is:

When using a floating license, if the license connection was lost due to network issues or similar problems, saving was not possible.

To Be:

Even if the license connection is lost due to some issue, it is now possible to continue using the software for a certain period of time.
After the following dialog appears a certain number of times, all functions will become unavailable.
If the dialog appears, promptly perform saving and other necessary operations, then restart the system.





2-e. Support for the Latest Version of FARO

As Is:

Until now, files created with FARO SCENE version 2021.5.1.9021 or later could not be imported.

To Be:

Files created with FARO SCENE 2021.5.1.9021 or later versions can now be read by PEERLESS.

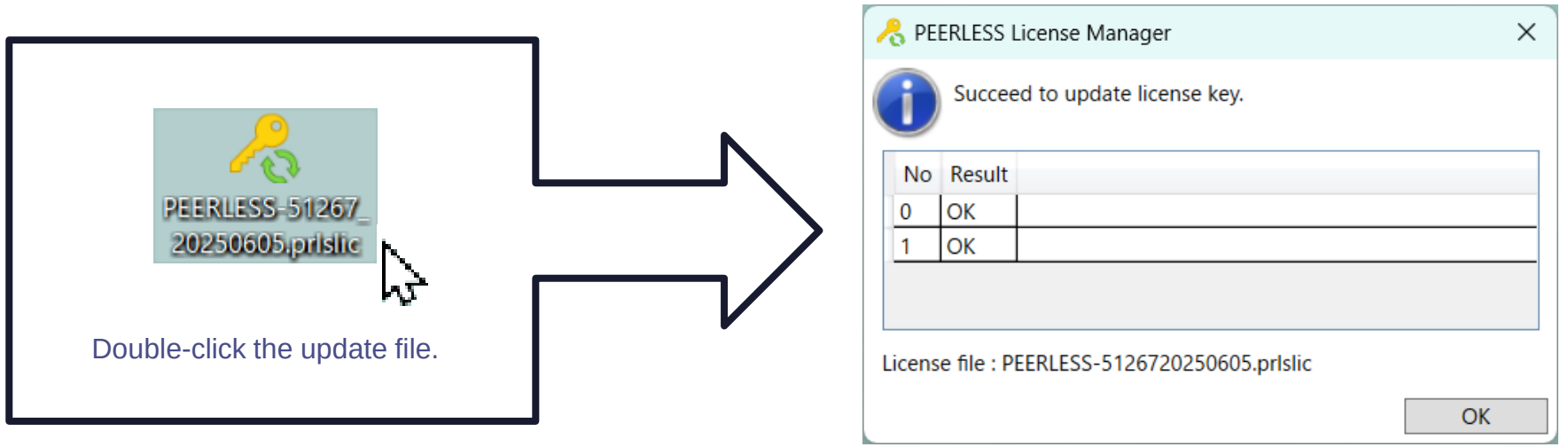
2-f. How to Execute the License File

As Is:

When performing license maintenance updates or extending the license period, it was necessary to load the update file through the License Manager.

To Be:

License updates can now be performed simply by double-clicking the update file, without launching the License Manager.



For questions or inquiries,

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