

# ClassNK-PEERLESS

Create 3D CAD Models Effortlessly, Quickly, and Accurately from  
Point Cloud Data

The software "ClassNK-PEERLESS",  
which creates 3D models necessary for design and construction from point cloud data acquired with a 3D laser scanner  
within a brief time,  
has been evaluated for its intuitive operability that makes modeling easy.  
It is utilized in the field of marine, plant, factory equipment, and building utility.

## Upgrade News

# ClassNK-PEERLESS

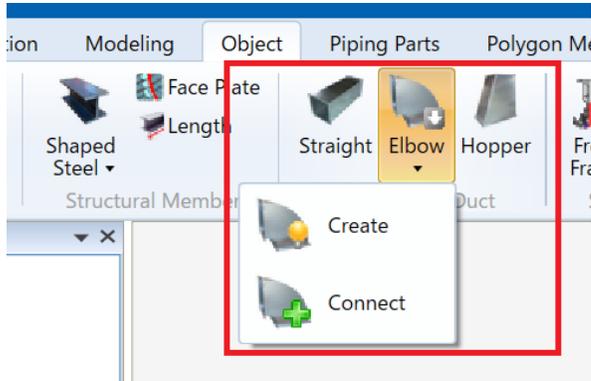
2021.1

# 1. Important Changes

1. The operation of project files, PCS files, and function files created in 2021.x is not guaranteed with earlier versions (2020.2 and earlier).

# 2. New Features

## 1. Rectangular Duct functions



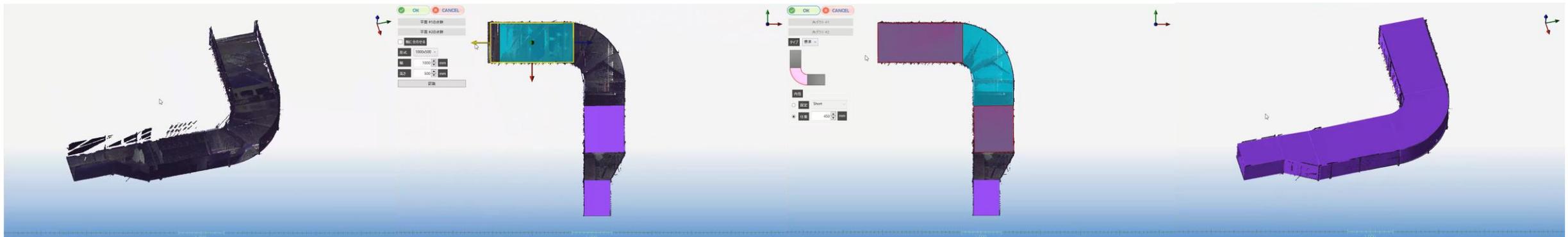
Create a rectangular duct from a point cloud.

The corresponding rectangular duct parts are as follows:

- + Straight
- + Elbow
- + Hopper

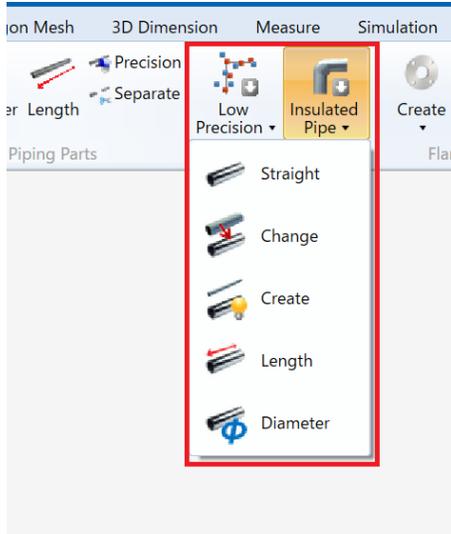
Future support functions:

- + Branch
- + Edit function
- + Create round duct



# 2. New Features

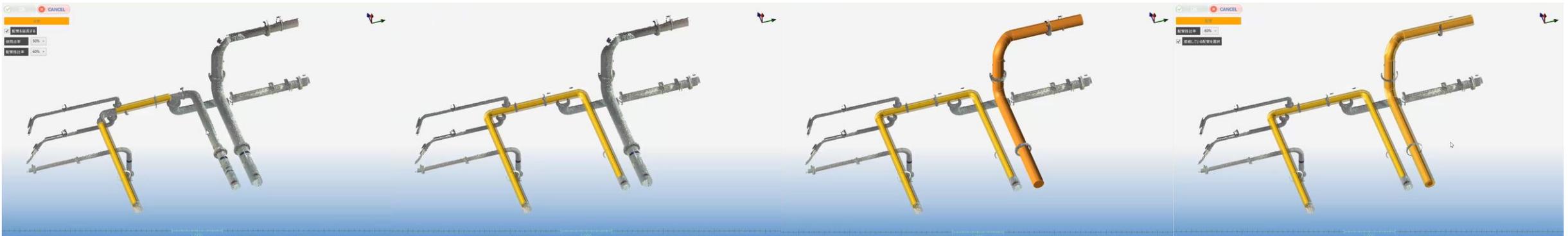
## 2. Insulated Pipes functions



Create a insulated pipes from a point cloud.

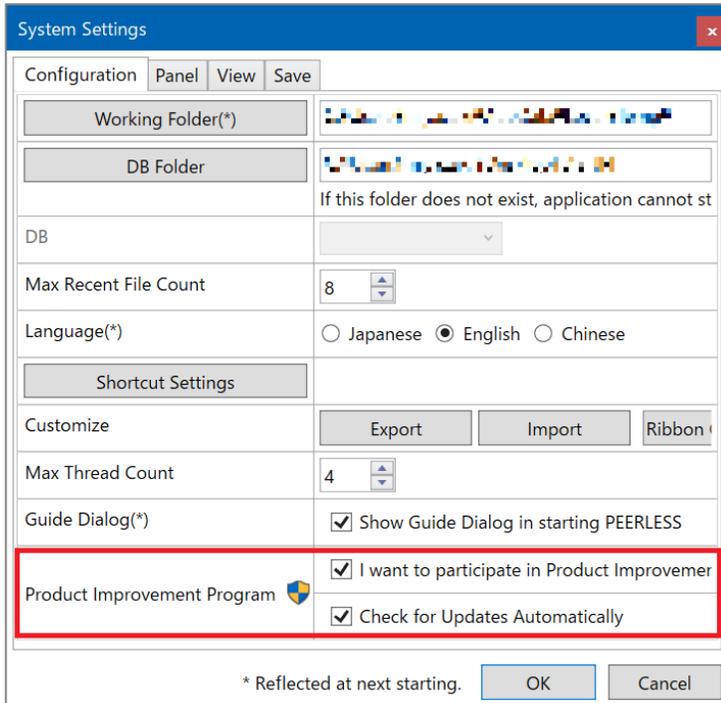
You can create an insulated pipe around the pipe, or you can create an insulated pipe and a pipe at the same time.

We will continue to expand the functions while listening to how to use it.



# 2. New Features

## 3. Product Improvement Program



We provide product improvement programs to improve the software usage environment. From usage information, we understand customer needs, reflect them in software, and provide information on the latest software.

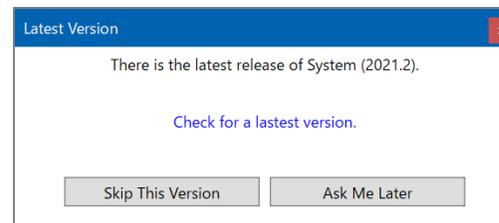
Participation is voluntary.

Purpose of use of information

- + Development of new features
- + Software quality improvement

Logs will be uploaded via the Internet when the system shuts down.

If a new version is available, the following dialog will be displayed at startup.

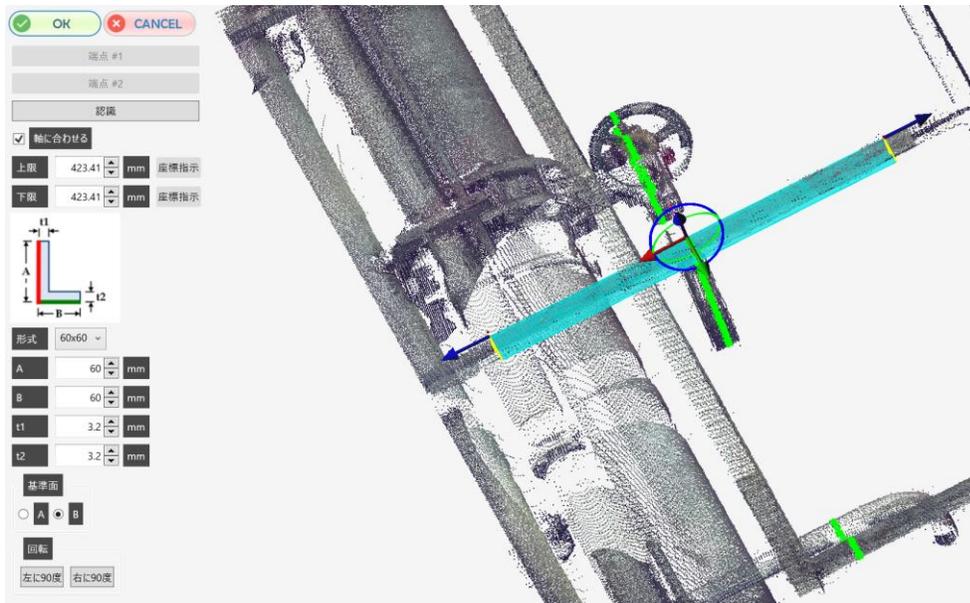


# 3. Improvements

## 1. Angle Steel

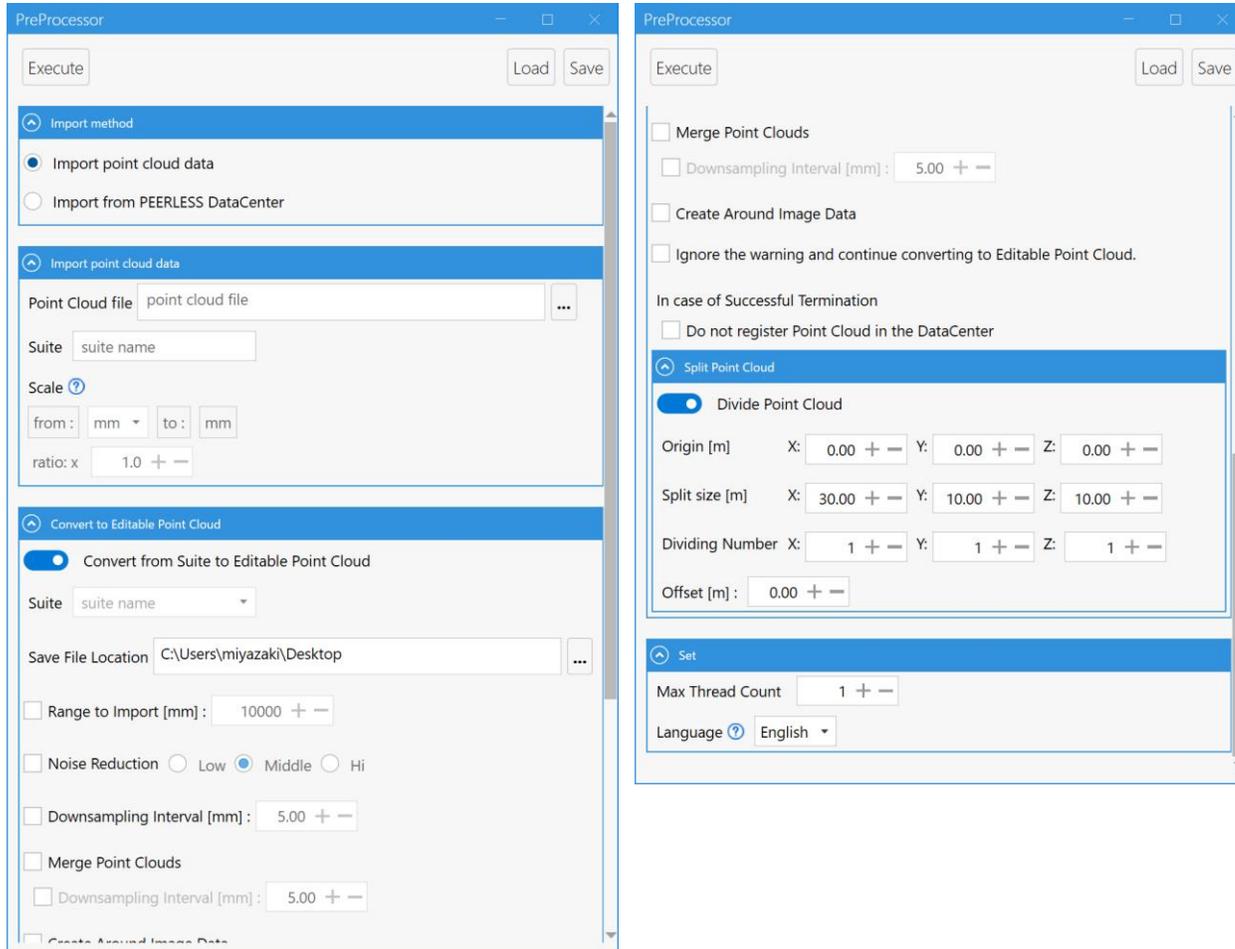
Indicate the two endpoints and create angle steel.

The shape is automatically recognized from the point cloud between the two endpoints.



# 3. Improvements

## 2. PreProcessor



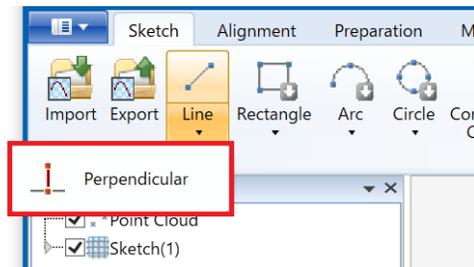
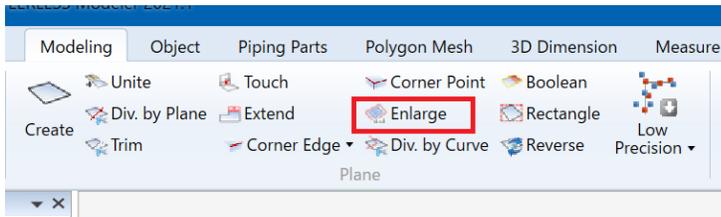
You can now import point clouds from DataCenter.  
Changed the UI of PreProcessor.

# 3. Improvements

## 3. Plane and Sketch functions

Added new features to planes and sketches.

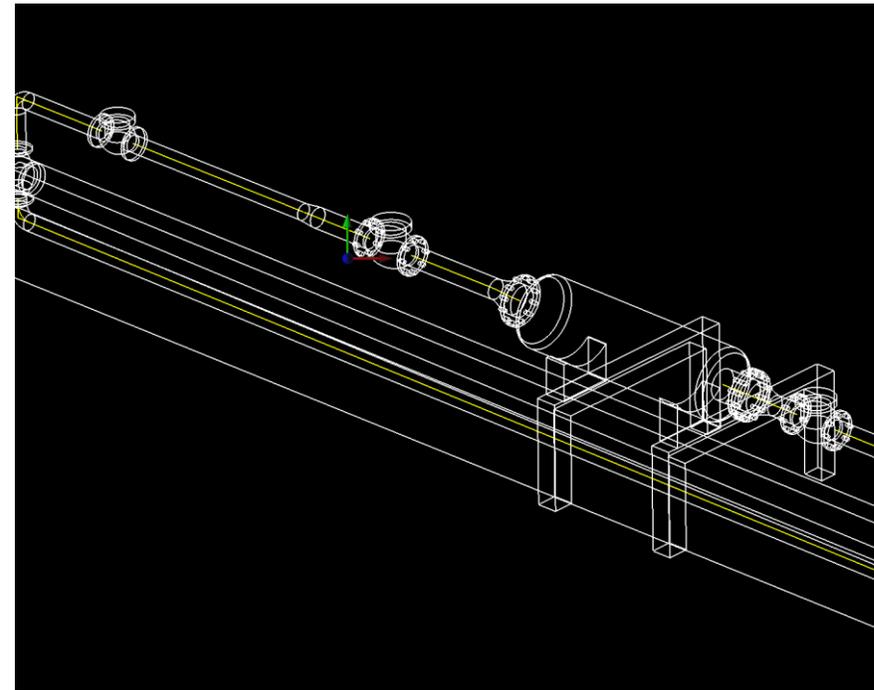
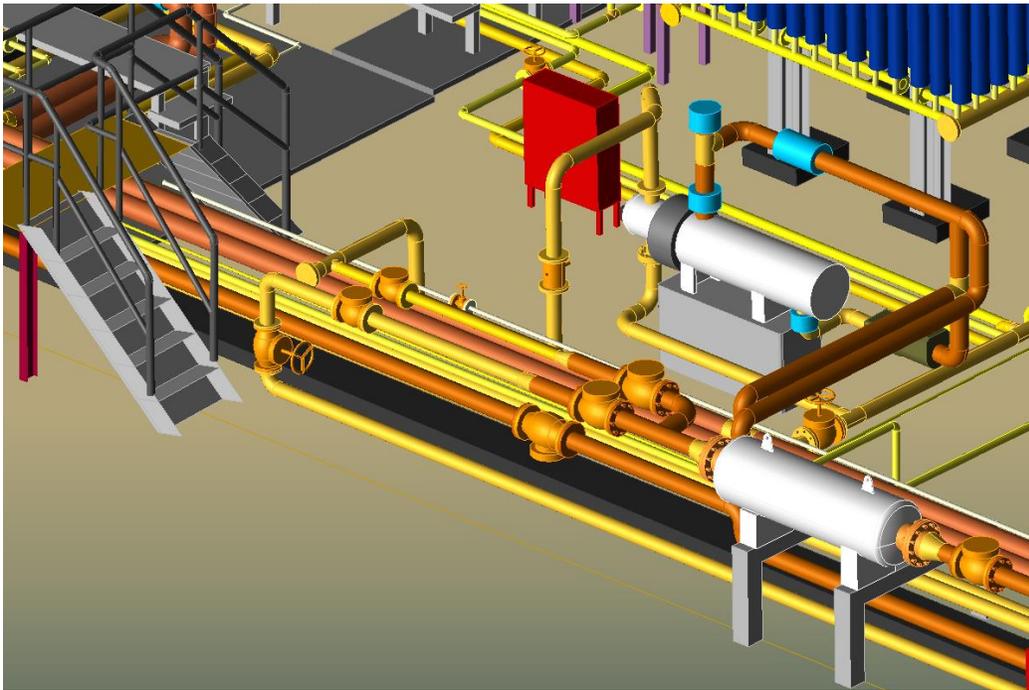
We will continue to enhance the functions in the future.



# 3. Improvements

## 4. 2D functions

It is now possible to output shapes other than piping.



## 4. Version Compatibility

Before installing this version, be sure to note the following warning regarding the compatibility.

1. This version can open and work with PEERLESS project file data created in versions 2021.1 and before.
2. The operation of project files, PCS files, and function files created in 2021.1 is not guaranteed for earlier versions (2020.2 and earlier).

# 5. Installation Notes

1. When the latest version is installed in the same environment where an older version is installed, the software will be upgraded.
2. If you have modified the data base in a previous ClassNK-PEERLESS' version, then you have to update them manually in the latest version.

# 6. etc

N/A

# 7. Features to be released

Release Plan	Category	New Features and Enhancements
2021.2 Minor Version Up : Winter 2021-2022	Modeling	Weld neck flange
	Modeling	Piping Support mark
	Dimension	Dimension functions
2022.1 Major Version Up : Summer 2022	Point Cloud process	Registration, Noise Reduction, etc

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