

The background of the slide is a photograph of an industrial facility, likely a refinery or chemical plant, featuring large, shiny metal pipes and structural steel. A semi-transparent blue diagonal band runs from the bottom left towards the top right. Overlaid on this band is a technical line drawing of a piping system, showing various pipe segments, valves, and structural supports. Several labels are visible on the drawing, including 'ASD\_4554', 'ASD\_45678', 'FDR\_55523', and 'FDR\_88967'.

# ClassNK-PEERLESS 2019.2

## Upgrade News

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# 1-1. ClassNK-PEERLESS : Important Changes

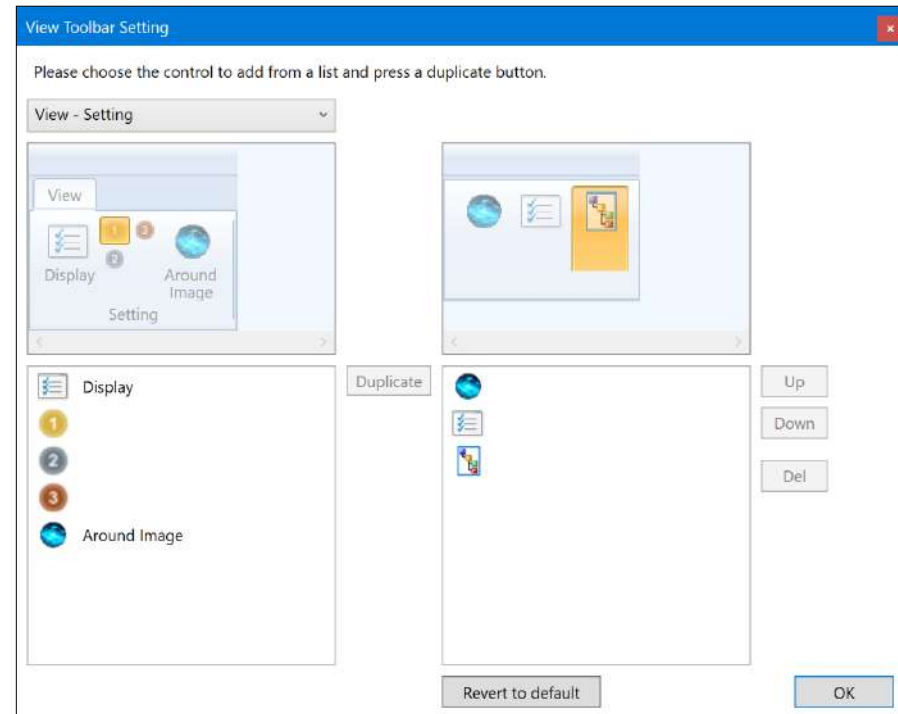
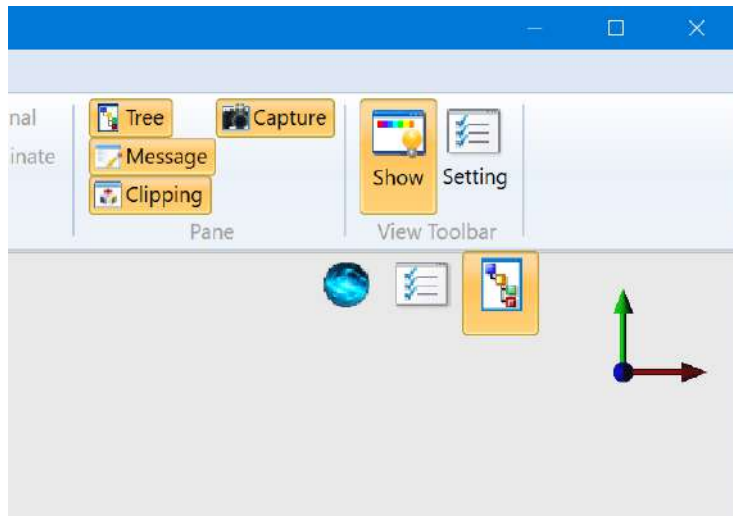
Before installing this version, be sure to note the following warning regarding the compatibility.

- Project files, PCS files, and feature files created in 2019.2 cannot be loaded in the past version (2019.1 or lower).

# 1-2. ClassNK-PEERLESS : New Features

- (1) Display function command icons can be placed on the view.
  - View Toolbar function

This function allows display operations without switching tabs.



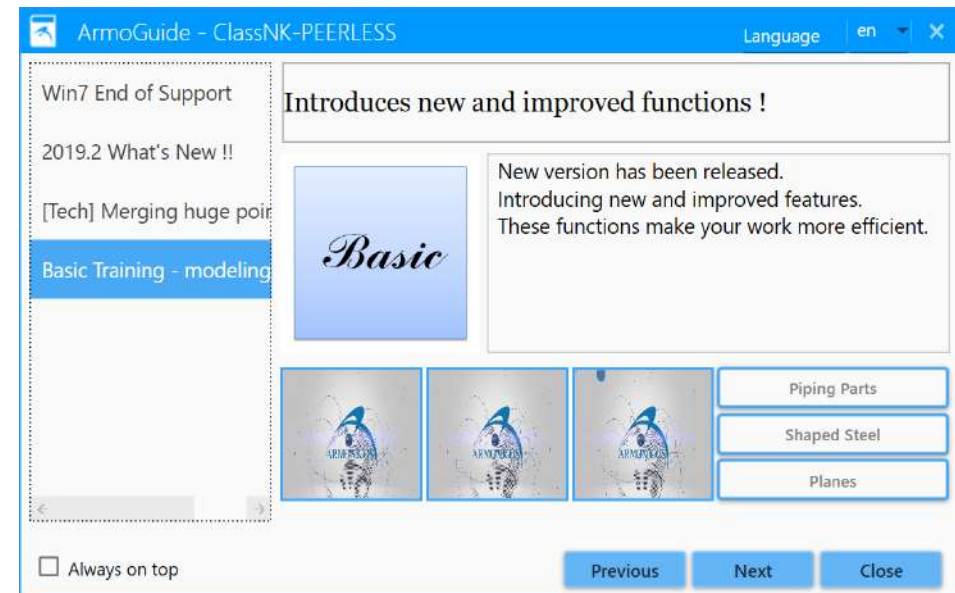
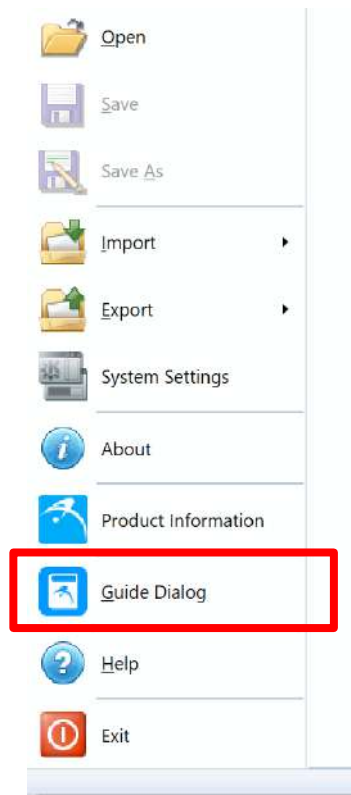
# 1-2. ClassNK-PEERLESS : New Features

- (2) Displays a guide dialog.  
- ArmoGuide function

The guide dialog allows you to check information that is often overlooked by developers.

In the future, operation techniques will be posted.

- Display at startup
- Display from menu



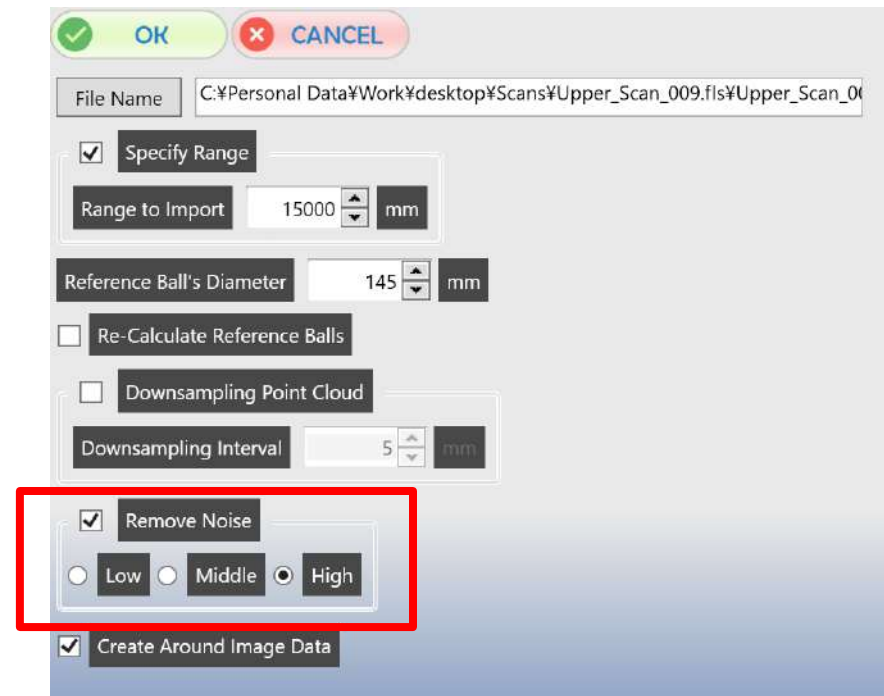
# 1-3. ClassNK-PEERLESS : Improvements

(1) [Import] – [Point Clouds] : The noise removal function has been improved.

Measurement points judged to have low accuracy are removed as noise.

The following files can use this noise reduction function.

- fls
- ptx
- e57
- Z+F



You can see the movie.



# 1-3. ClassNK-PEERLESS : Improvements

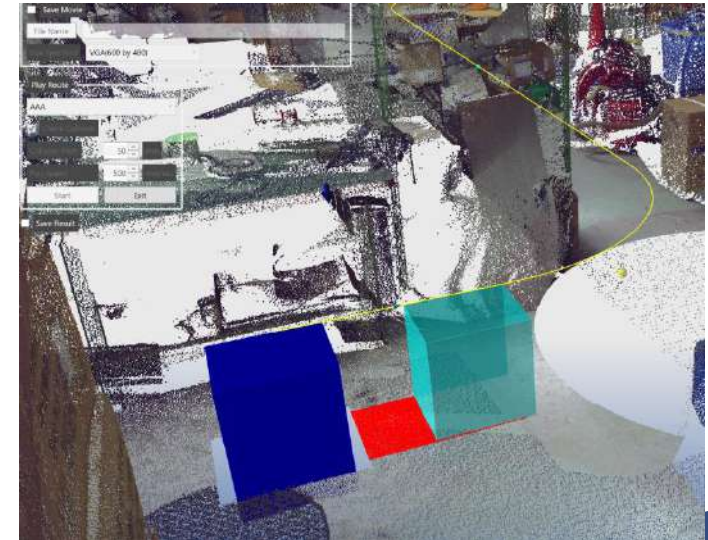
## (2) Improved dynamic interference check function.

The improved points are as follows.

- An arc can be specified at the corner of the route.
- The viewpoint on the route can be set.
- UI changes accompanying the above.

This allows you to specify a realistic route and set the viewpoint you want to show during playback.

Also, when outputting a movie, it has been improved to specify the movie size.



You can see the movie.

# 1-3. ClassNK-PEERLESS : Improvements

(3) [Import] – [Shapes] : Enhanced functionality.

Added importing of ply files.

Added importing of DXF files (3DFACE entity only).

Added option to group when Feature file is imported.



# 1-3. ClassNK-PEERLESS : Improvements

(4) [Export] – [Shapes] : Enhanced functionality.

Added support for mesh elements in VRML file export.

If no elements are selected at the time of output, all are selected and processed.

# 1-3. ClassNK-PEERLESS : Improvements

(5) [Import] – [Point Clouds] : Added an option to control the creation of Around Image.

Currently, Around Images are stored in PCS files.

PCS files with Around Image will have a larger file size.

As a result, there was a problem that the merge process was likely to run out of memory, so this option was added.

Try this option for large-capacity point clouds.

Around Image supports the following formats:

- fls
- ptx
- e57

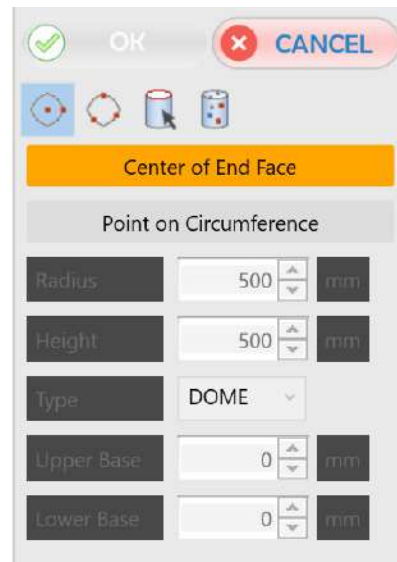
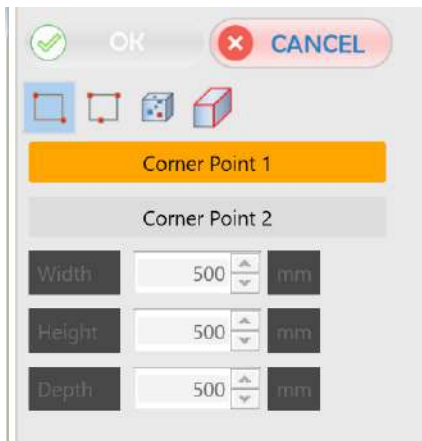


# 1-3. ClassNK-PEERLESS : Improvements

## (6) [Modeling] – [Box], [Cylinder] : Integrated

You can switch the creation method within a single command.

Added a function to create a cylinder by specifying three points on the outer periphery of the end face.



# 1-3. ClassNK-PEERLESS : Improvements

## (7) Enhanced log output function.

By just providing a log, you can check the order of command execution, which commands are used frequently, and whether new functions are used.

As a result, it is now possible to check the situation when a problem occurs and to investigate usage conditions efficiently.

We may ask you to provide logs, but we ask for your cooperation.

## 2-1. Installation Notes : Important Changes

- N/A

## 2-2. Installation Notes : Version Compatibility

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

- This version can open and work with PEERLESS project file data created in versions 2019.2 and before.
- Project files, PCS files, and feature files created in 2019.2 can not be loaded in the past version (2019.1 or lower).



## 2-3. Installation Notes : Upgrade Notes

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

### 3. Features to be released

#### 2019.2 SPx (Service Pack xx)

Category	Description
Guide Dialog	Add Technique collection

#### 2020.1 (Release : July 2020)

Category	Description
	Realization of modeling in Massive point cloud.
	Enhanced modeling capabilities, improved operability
Point cloud process	New logic : Noise Reduction

#### 2020.2 (Release : November 2020)

Category	Description
	Realization of modeling in Massive point cloud. (Continuously implemented)
	Enhanced modeling capabilities, improved operability