Opt Plugin for Tekla Structures

Installation & Usage Guide

V1.0

株式会社 3D エキスパート

2025

www.opt3ds.com

Version History

Version/Status	Author	Participant	Start/End Date	Modification Order Instructions	Approver
Formally released V1.0			2025.01.21	Formally create document	

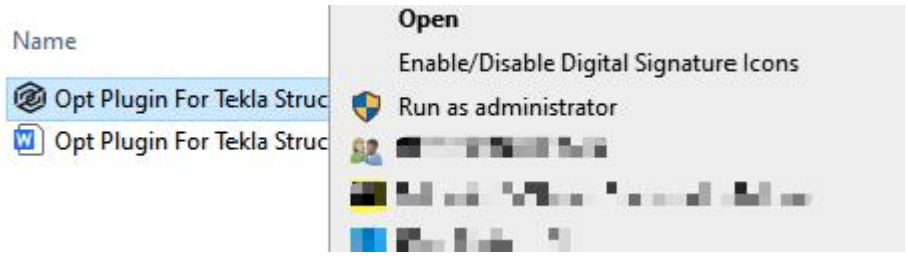
I、Overview

The Tekla Lightweight Plugin is independently developed by 株式会社 3D エキスパート(hereinafter referred to as our company) for exporting Tekla model files in glzip format. This file is used for our company's "Opt Converter" and "Opt Loader" series products to perform model format conversion or high-performance lightweight rendering processing.

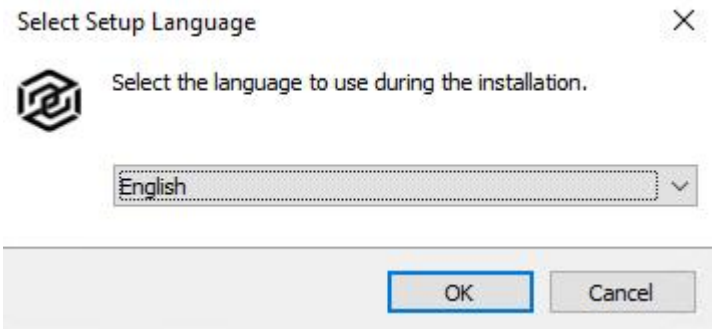
II、Software installation

Note: The plugin supports Tekla versions 2016-2023. Please close the modeling software before installing.

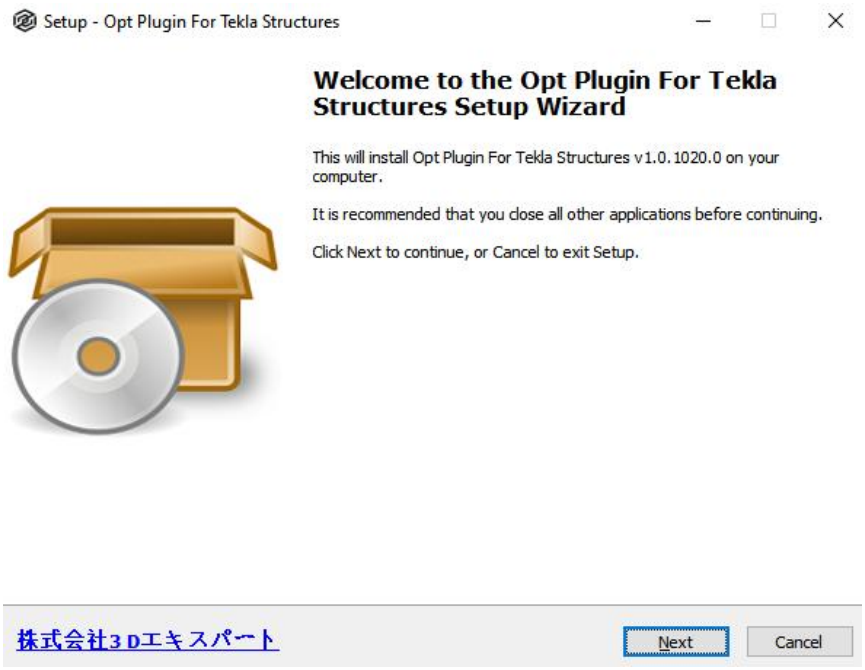
1.Right click on the "Opt Plugin For Tekla Structures.exe" program and run it as an administrator.



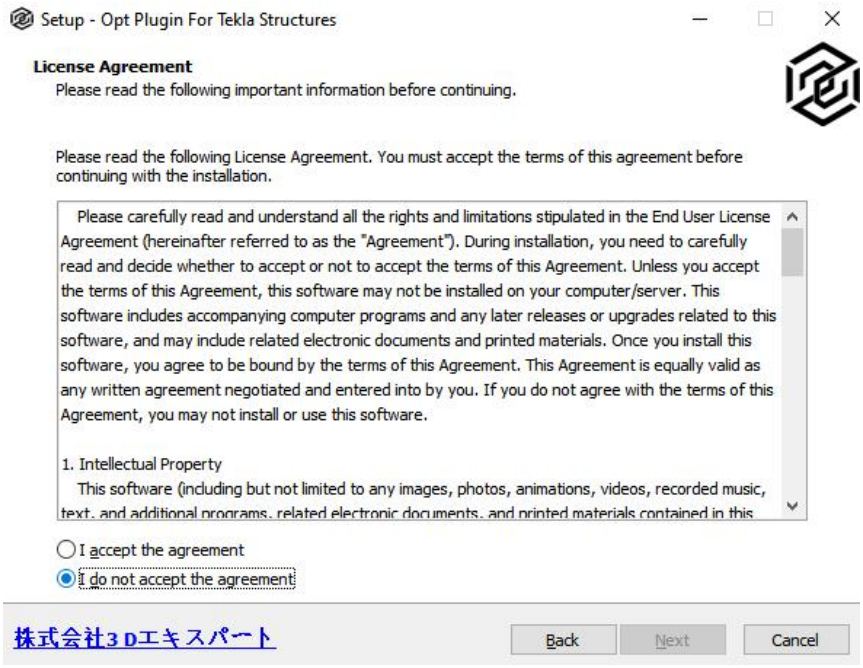
2.Choose the installation language that suits you.



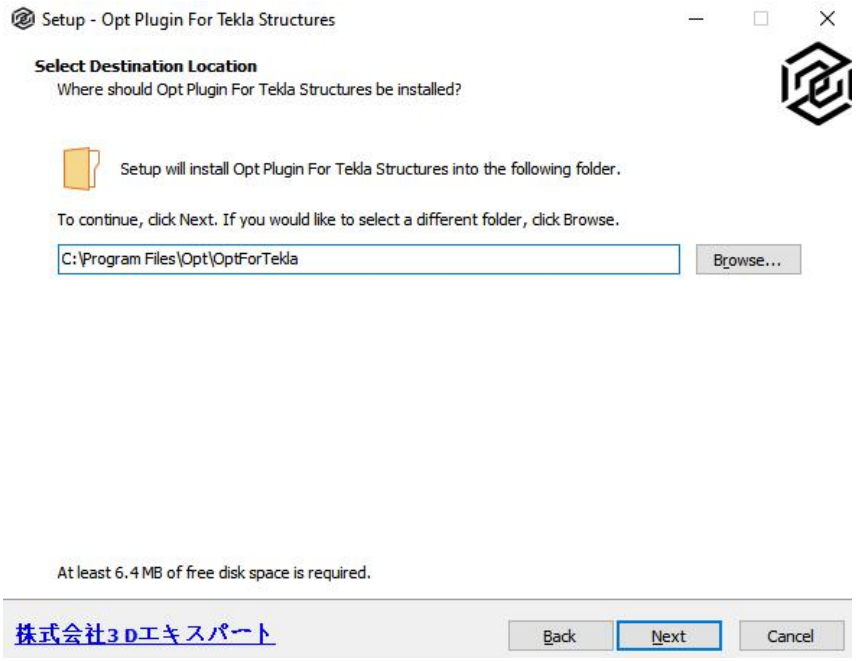
3.Click Next to continue the installation.



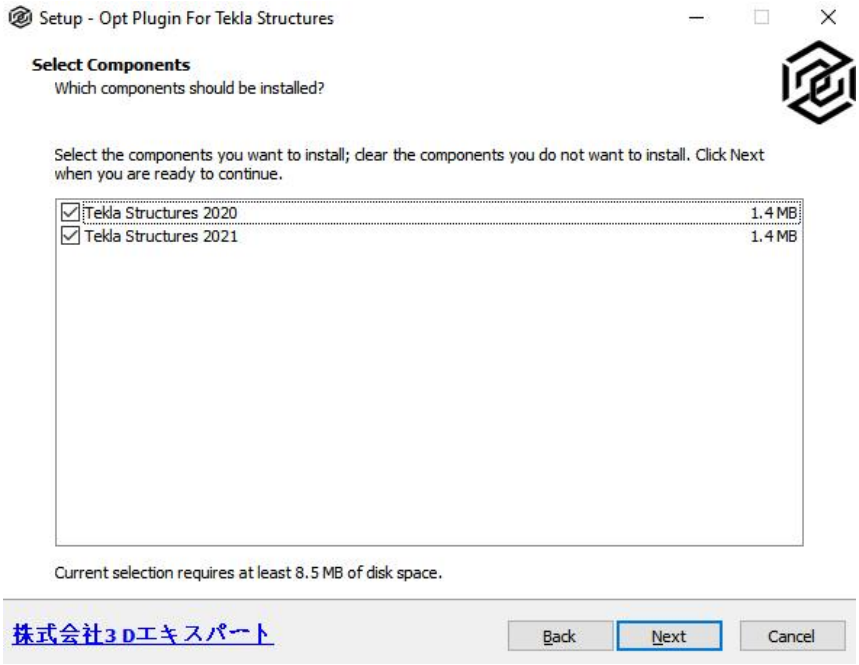
4.Check 'I agree the agreement' and click 'Next' to continue the installation.



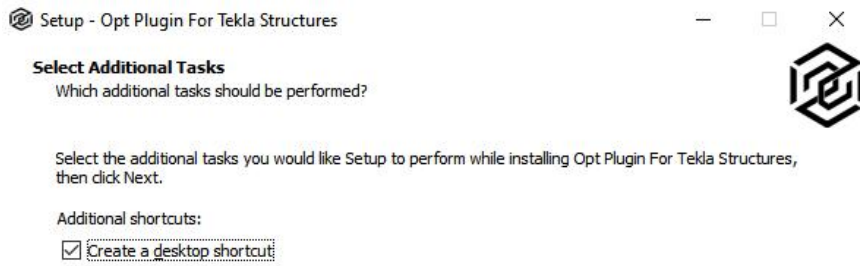
5.Enter the installation address selection page, which defaults to C:\Program Files\Opt\OptForTekla. You can click the "Browse" button to customize and select another installation address.

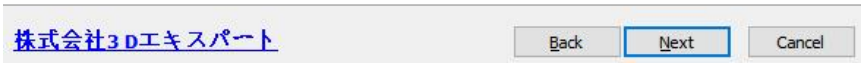


6.When entering the version selection page, the current installed Revit modeling software version on the computer will be read by default and automatically checked. Currently, Tekla 2016-2023 64 bit version is supported. Click Next to continue installation.

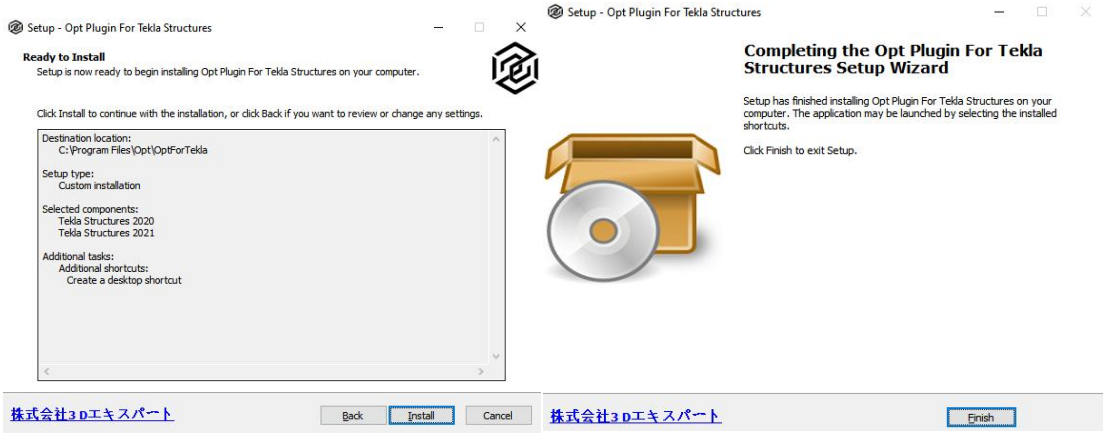


7.Create a desktop shortcut. By default, it will be checked. Click "Next" to continue with the installation.





8.Click the 'Install' button. Plugin installation begins; After installation, there will be a prompt page indicating the completion of the installation. Click "Finish" to end the installation program.；



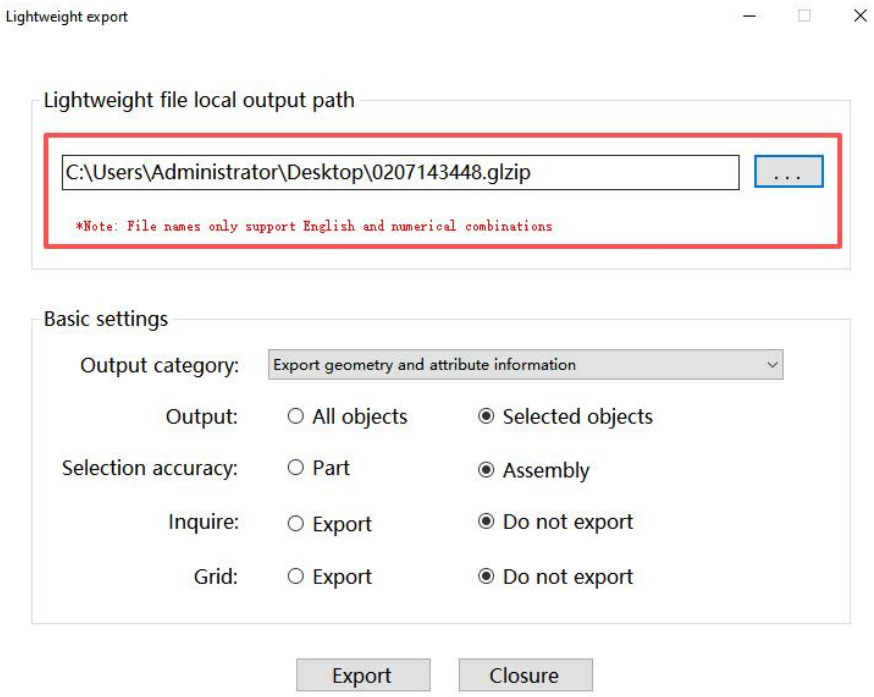
III、Instructions for use

1.After installation, a shortcut for the plugin will be automatically generated on the desktop. To open the Tekla model using the modeling software, simply double-click the shortcut to the plugin and you're ready to go.



2.Click the "…" button on the right side of the address bar to customize the

path and file name. If the file name is the same, a prompt will appear asking whether to overwrite the file. When exporting, a folder with the same name as the file will be created. It is recommended not to have folders with the same name in the same directory.



Interpretation of basic setting fields

●Output category

① Export geometric and attribute information: Both the model's geometric information and database (db) information will be exported.

②Export geometric information: Only export the geometric information of the model.

③ Export attribute information: Only export the database information of the model.

●Output

① All objects: All components of the model in the scene, including hidden components, will be exported.

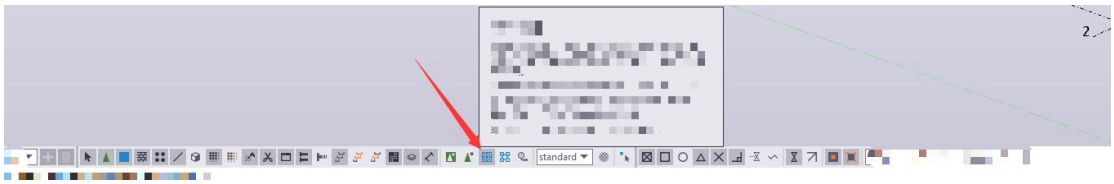
②Selected objects: Selectively export some components of the model in the scene by using the marquee tool.

●Select precision

①part: After selection, it will be exported as a part.

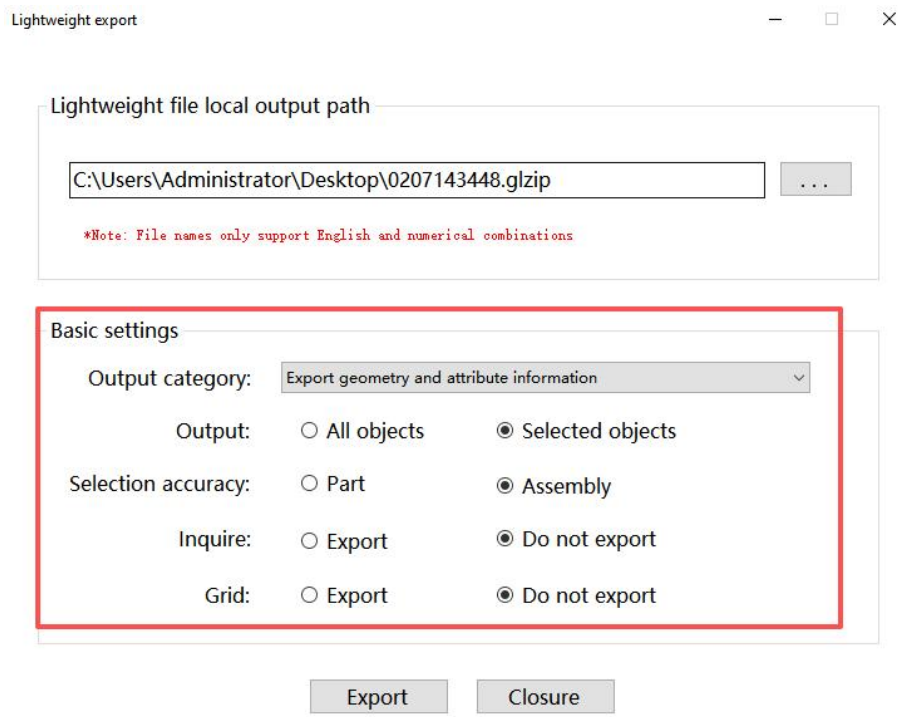
②Assembly: After selection, it will be exported as a component.

Note: When the selection accuracy is set to ② and the output is also set to ②, you need to click and select the "Select Component" function before making the box selection。

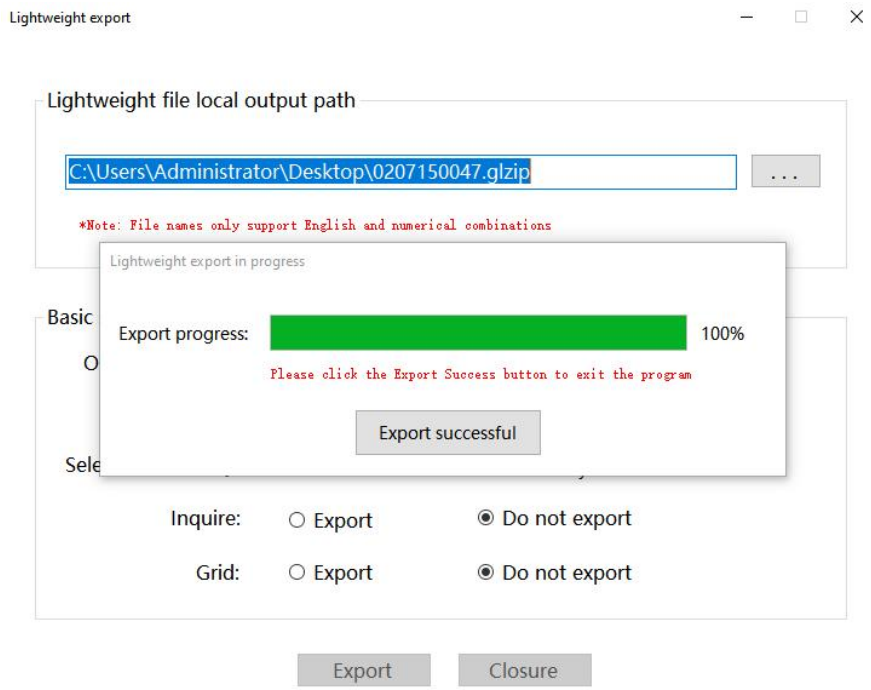


●Inquire: Select whether to export components.

●Grid: Whether to export grid data.



3.After setting all panel options, click the "Export" button, and an export progress bar will pop up. If there are a large number of Tekla model components, the progress bar may wait for a long time at the 10% position. Please be patient and wait.



4.After exporting the progress bar to 100%, click "Export successful" to exit the current page. In the export path, you can see the exported glzip model file, which contains the geometric and attribute data of the model.

IV、Software uninstallation

In the computer control panel, select "Opt Plugin For Tekla Structures" from the uninstall software options, and click uninstall to complete the process.

Please note that when uninstalling Opt Plugin For Tekla Structures, please close the Tekla modeling software.

