Opt Plugin for Bentley

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	

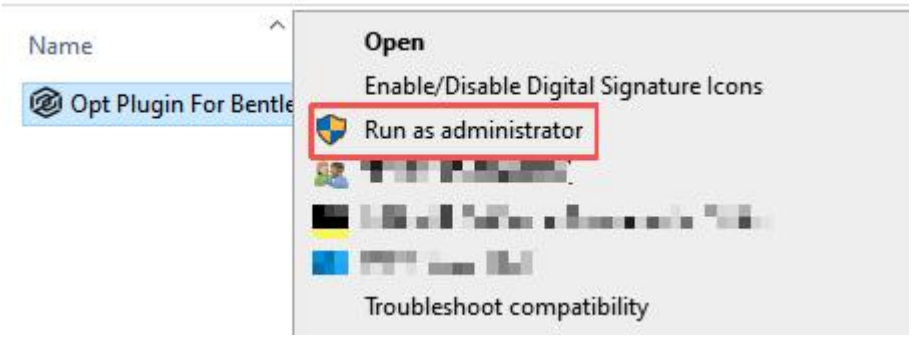
I、Overview

The Bentley 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 Bentley 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.

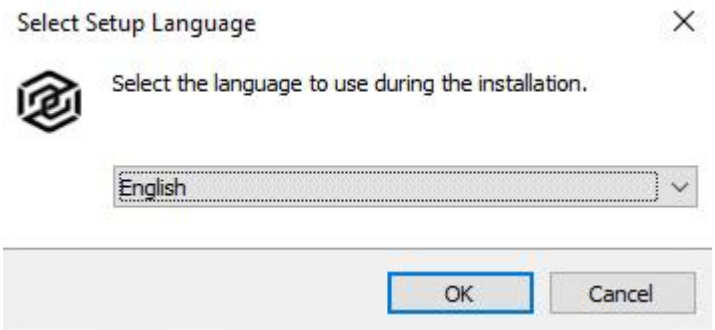
II、Software installation

Please close Microstation CE modeling software before installation（Supports Update 6-17 version）

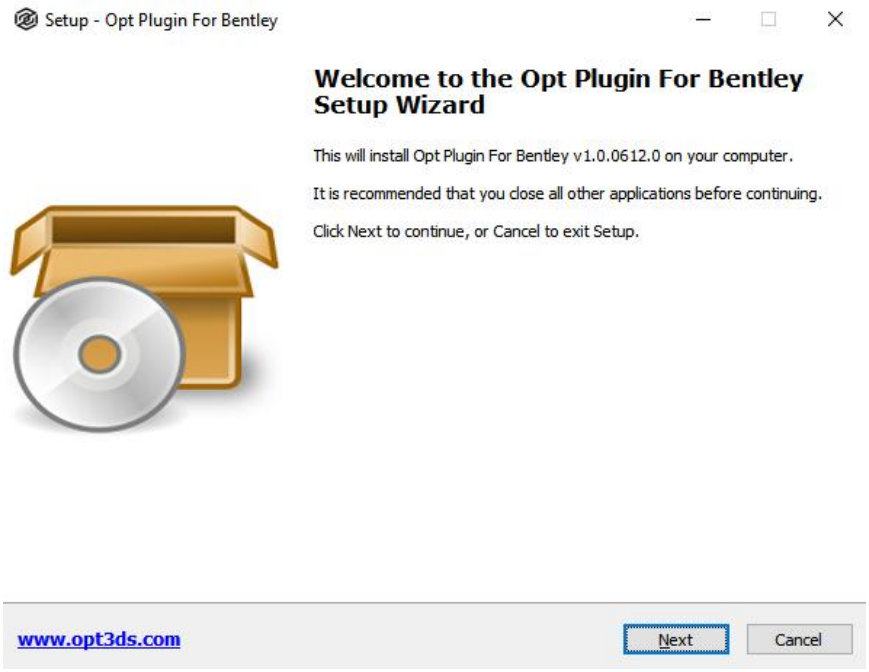
1.Right click on the "Opt Plugin For Bentley. exe" program and run it as an administrator.



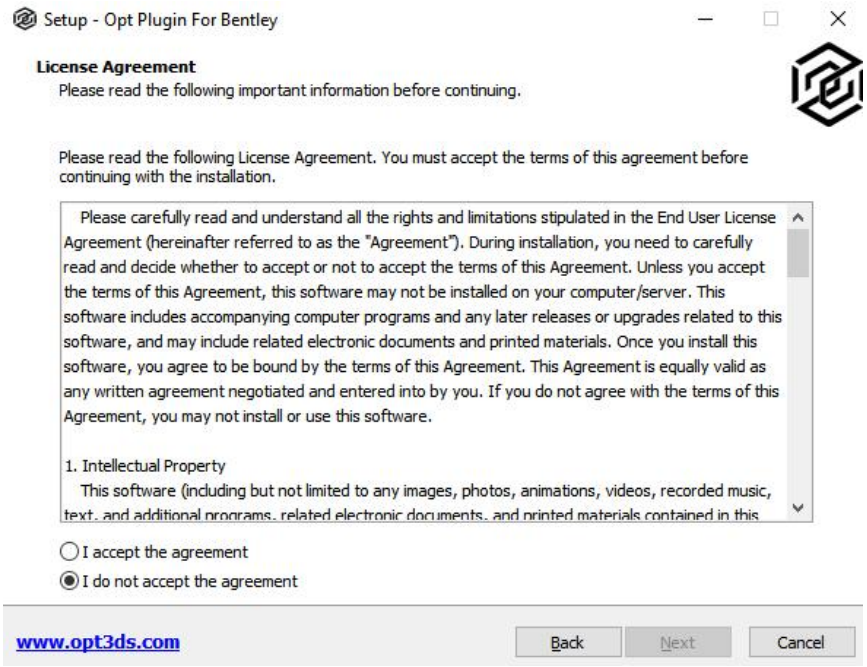
2.Choose the installation language that suits you.



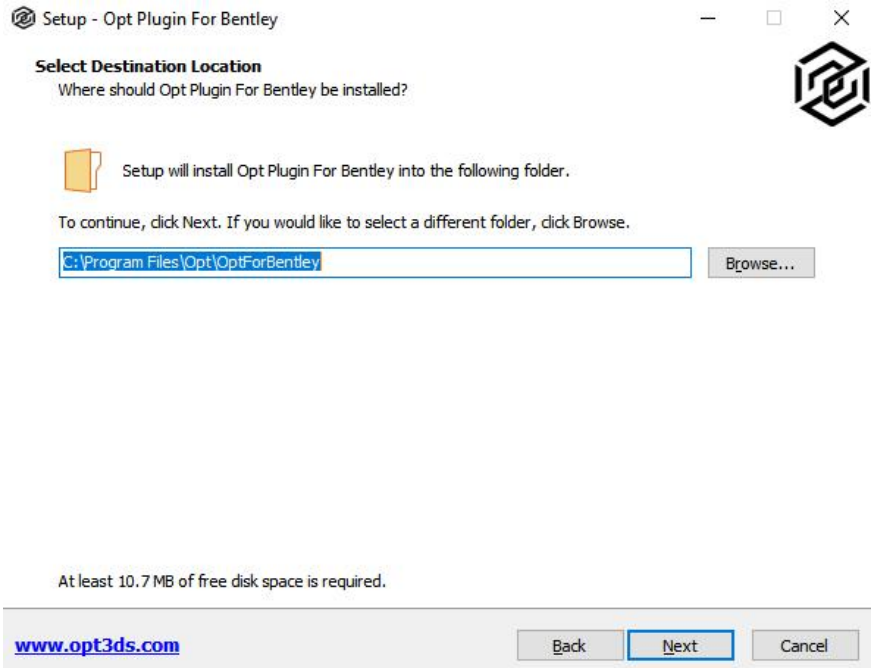
3.Click Next to continue the installation



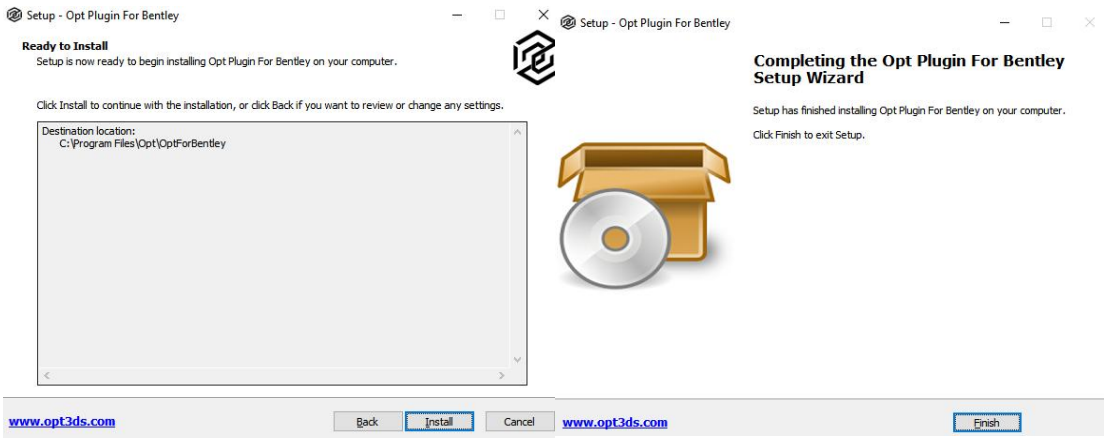
4.Check 'I agree the agreement' and click 'Next' to continue the installation.



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



6.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.Open the dgn model, select the Visualization workflow, and the "Opt" option will appear in the menu bar.



2.Click the "Export" button, select the path, and the file name will be automatically generated. You can also manually modify it, but for now, only naming conventions involving English, numbers, or a combination of English and numbers are supported. After selecting the basic settings information, click "Export" to proceed with data export；

Explanation of the meanings of the above panel options:

Export category:

① Export geometry and attribute information: Both model geometry information and database (db) information will be exported.

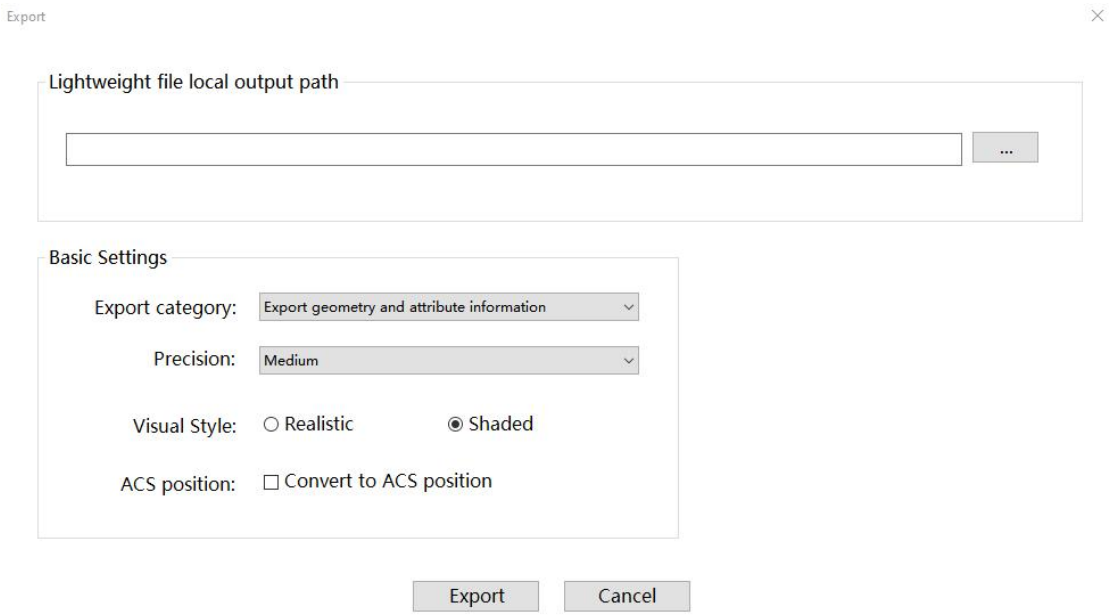
② Only export geometric information: Only export the geometric information of the model.

③ Only export attribute information: Only export the database (db) information of the model.

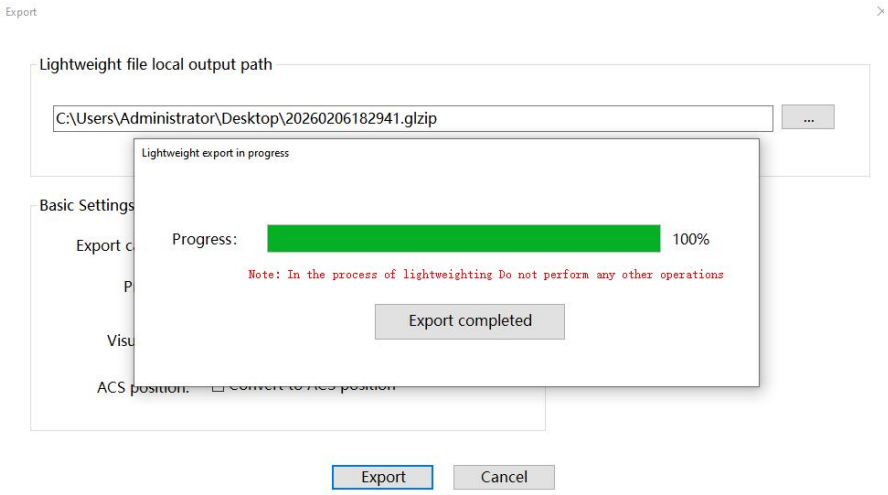
Precision: It is divided into three levels: Fine, Medium, and Coarse, indicating the display detail level of the generated geometric model. The default is the medium option.

Visual style: Corresponding to two modes in modeling software, "Realistic" means exporting textures, while "Shading" does not export textures.

ACS position: Is the option to convert ACS coordinate system checked.



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 Bentley 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 Completed" 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 Bentley" from the uninstall software options, and click uninstall to complete the process;

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

