REVIT Leviat BIM Plugin instructions

Plugin Version : 4.x

for Revit 2023 / Revit 2024 / Revit 2025

How to install the Plugin – Admin rights required

Note: The previous Leviat BIM Plugin version needs to be uninstalled to avoid unexpected behaviours!

To start the installation, double-click on the installation file. Here the example for version 3.x.x.x.. Higher versions might be slightly different.

Leviat.Bim.2_Release_Revit_2024_v3.0.0.1_Installer.exe

A pop-up window for administrative rights will appear. Once you have done so, select the language for the installation process in the following window.
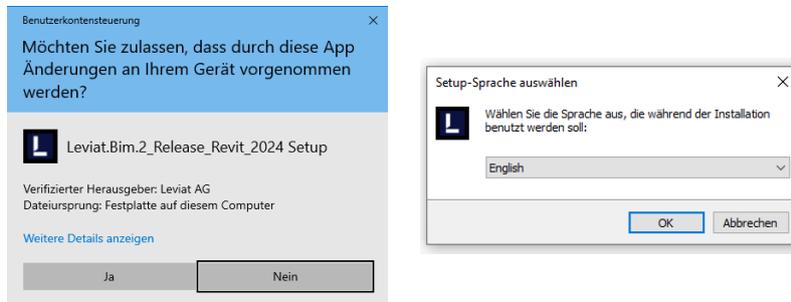
Follow the next steps by clicking "Next" and "Install".
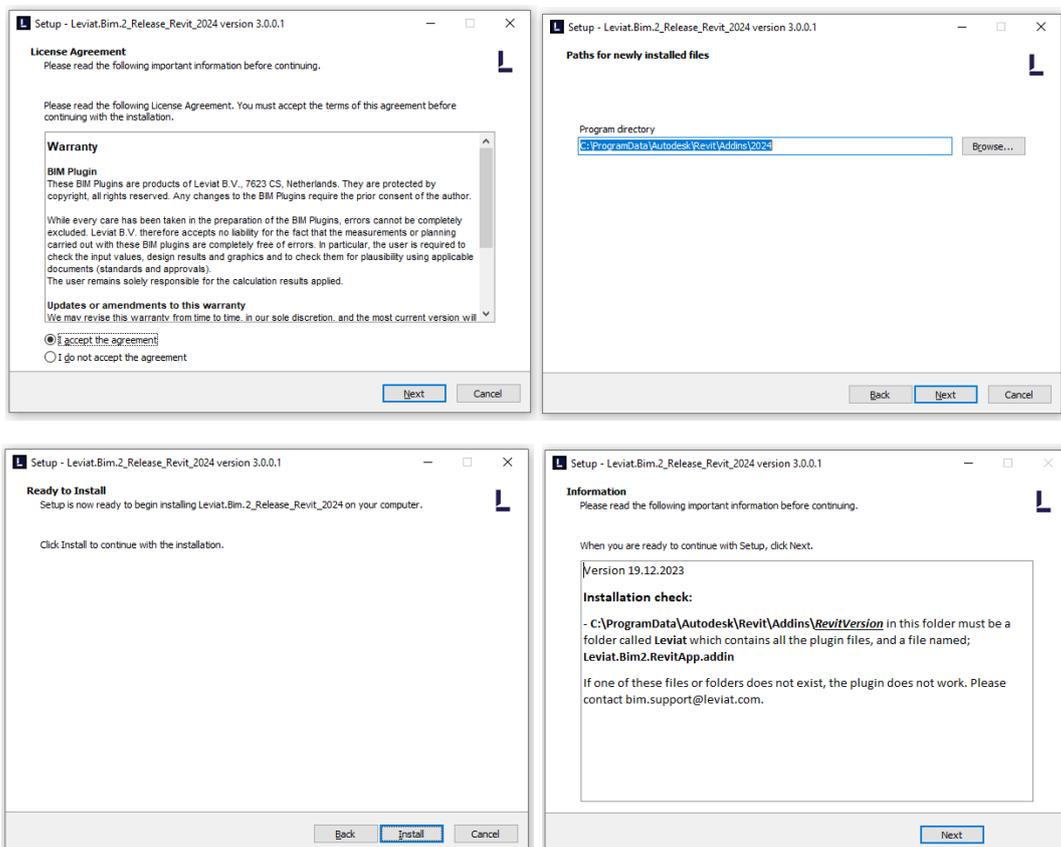
Everything will be installed correctly once you press "Finish" in the last window.
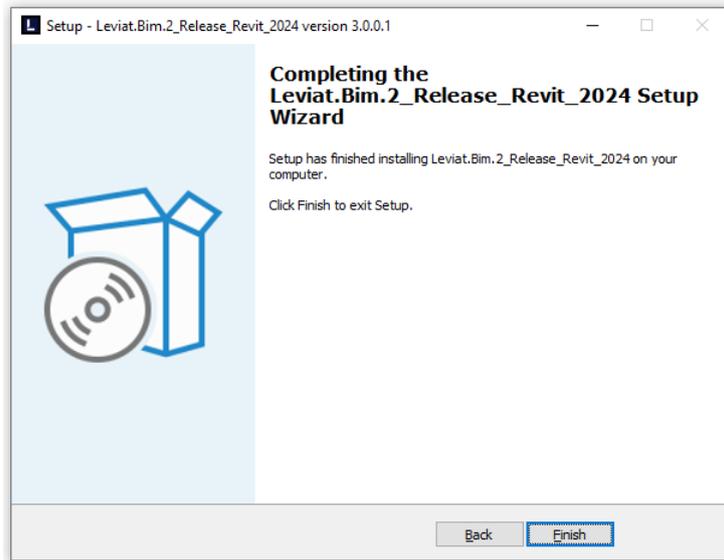
First steps in the Plugin

Before doing anything, the user should configure their preferred environment, in the SETTINGS tab (accessible via the settings ⚙ icon).

The user can select the PLUGIN LANGUAGE as well as the COUNTRY in which the project is being designed.

Getting started with the Plugin

The Leviat BIM Plugin for Revit can be found in the "Leviat" tab (as in the previous version).
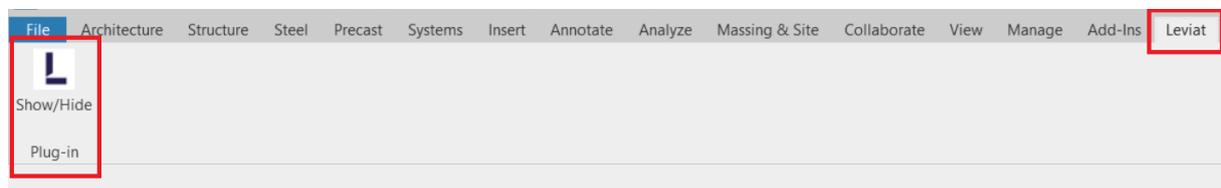
Figure 1 – Leviat BIM Plugin in the "Leviat" tab in Revit

When the "Show/Hide" button is pressed, a side tab panel is opened in the Revit Project environment.
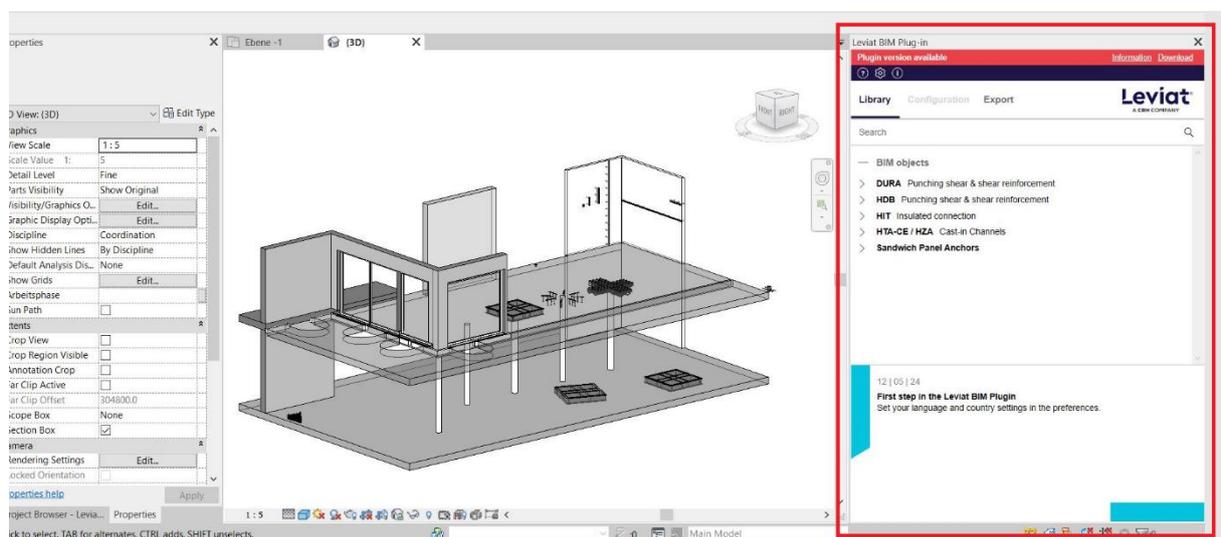
Figure 2 – BIM Plugin visible in the side panel

There are 3 main tabs in the plugin: LIBRARY, where the user can browse the range of products integrated in the plugin; CONFIGURATION, where the user can configure the types within the selected product; and EXPORT, where the user can export Leviat BIM objects in lists.

There are 3 additional tabs: HELP, where the user can check basic instructions on how to work with the plugin and create a bug report; SETTINGS, where the user can change the project environment; INFO, where the user can check additional information about the plugin, such as the current version, warranty information and privacy policy.
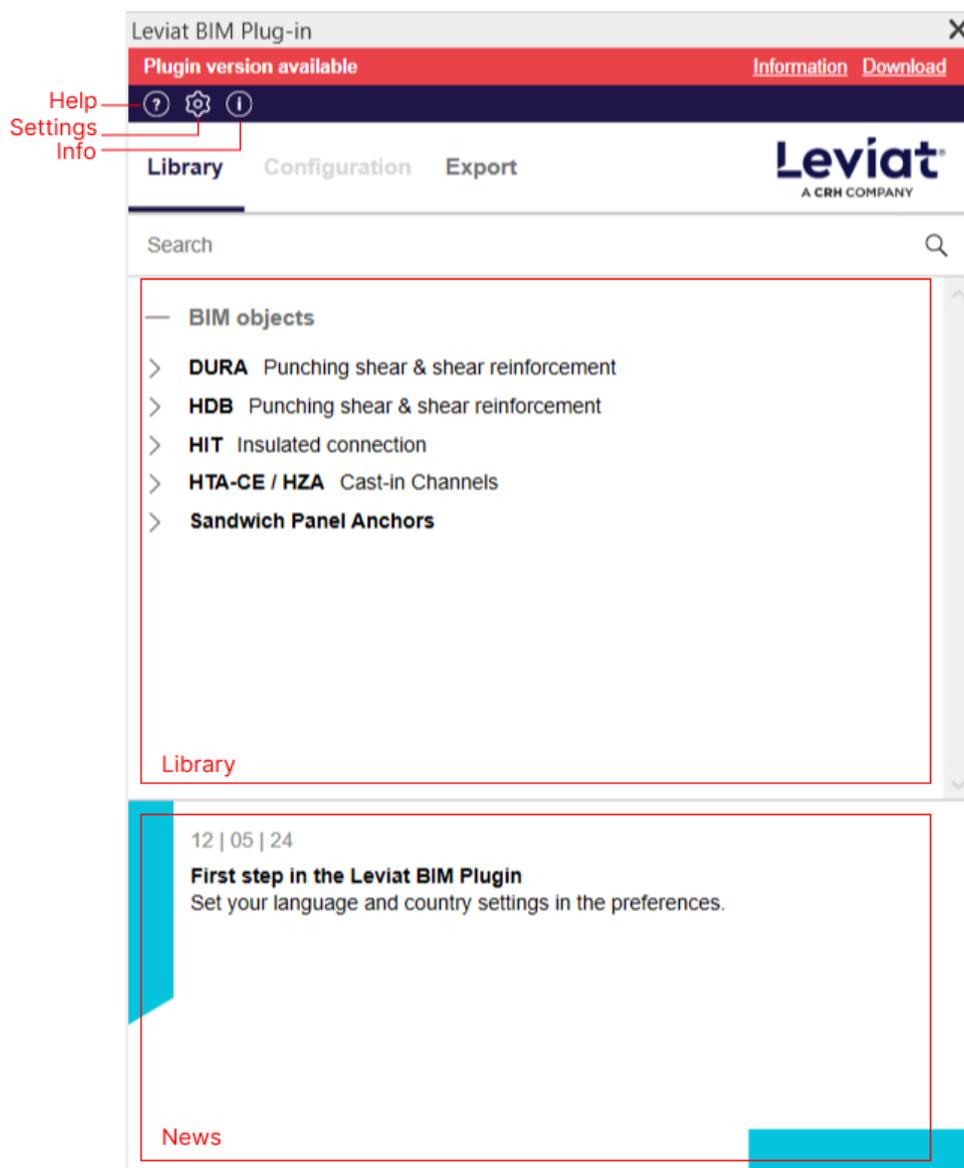
Figure 3 – Main plugin view

In the SETTINGS TAB, the user can configure the preferred project environment.

The user can select the PLUGIN LANGUAGE as well as the COUNTRY in which the project is being designed.

Note: The selected COUNTRY (LANGUAGE) affects the product range, product data and bill of material. This language will be applied to the attributes of the BIM objects. The changes will take effect immediately after setting and there is no need to press the SAVE button.

In the DEFAULT FOLDERS, the user can set the folder where the lists will be exported to. This folder can be changed by clicking on top of it.
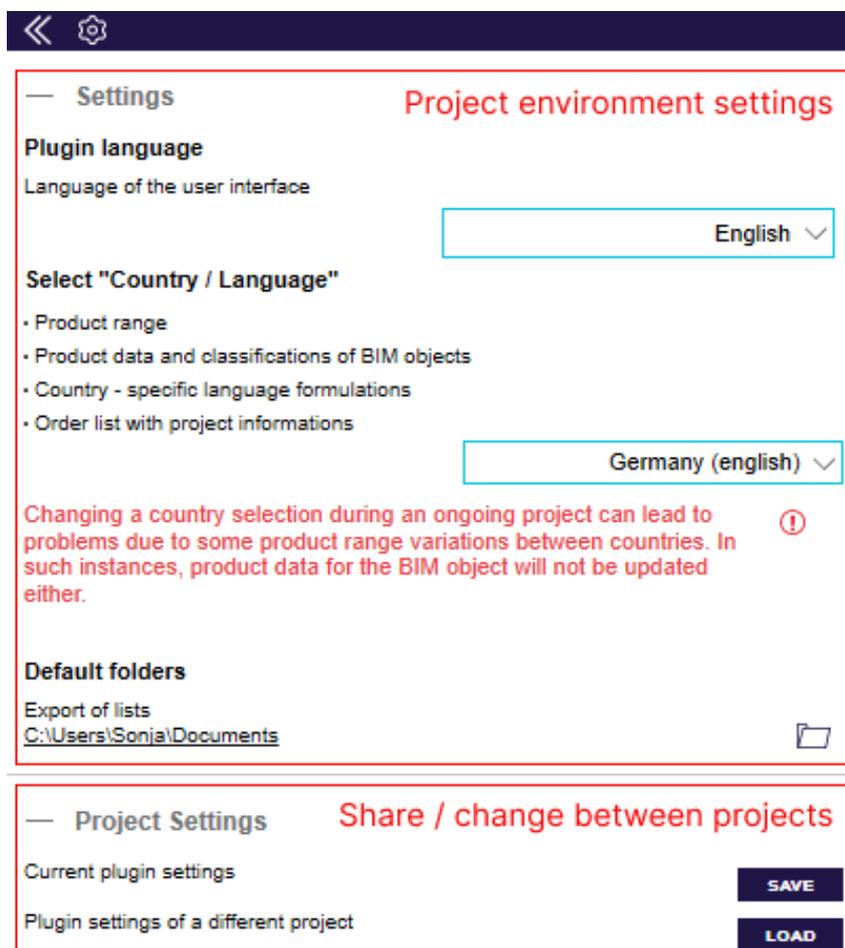
Figure 4 – Settings tab

The PROJECT SETTINGS allow the user to save/load the settings. This allows you to move between projects or share settings.

Saved are the project environment settings.

The CONFIGURATION tab opens when a product is selected from the LIBRARY. This can be done either by double clicking on the product in the Library or by pressing the CONFIGURE button at the bottom of the LIBRARY tab.
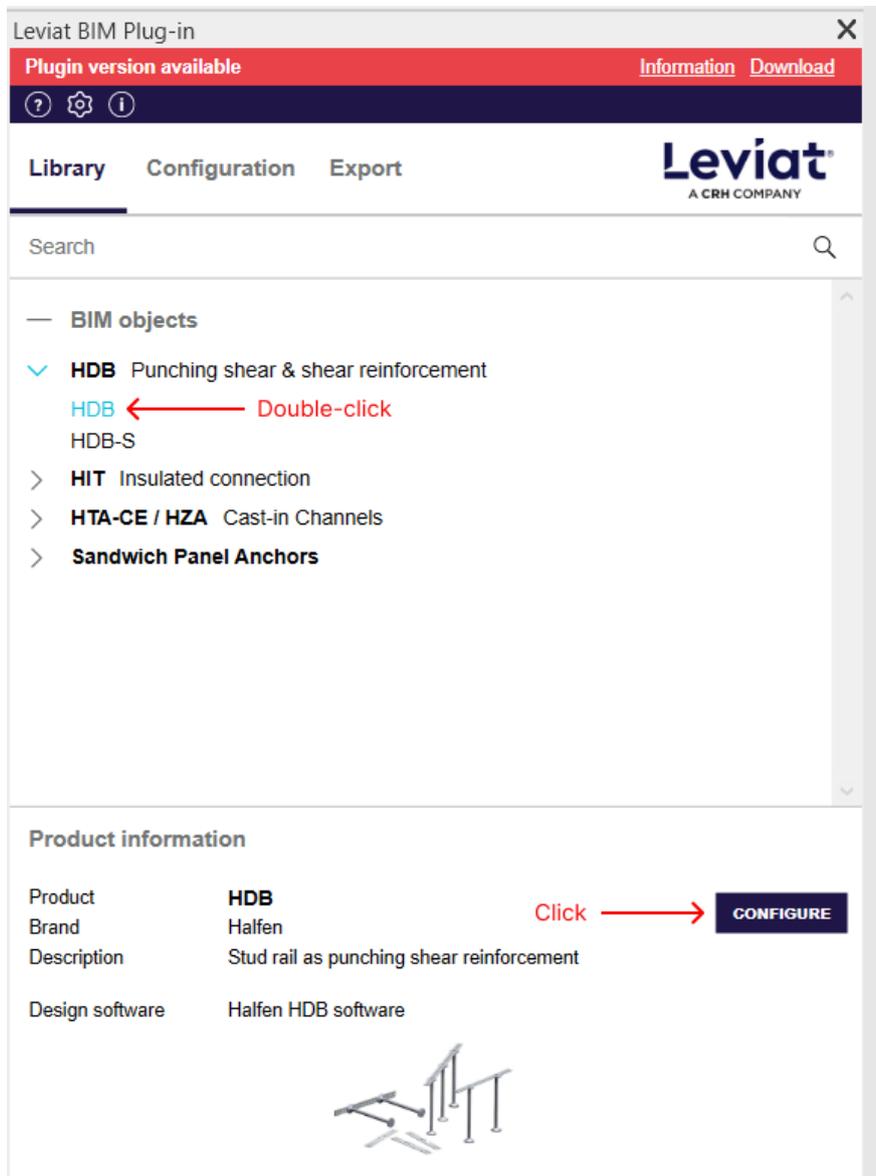
Figure 5 – Selecting a product to configure

Configuring a product

In the CONFIGURATION tab, the user can configure the product to obtain the desired type from the database.

The user has 2 possibilities to select a product type:

1. Copy a product code directly into the PRODUCT CODE text box and press ENTER.

   Note: Any code can be inserted within a product. The product configuration is correct, although the fields of the product selection might not be adapted correctly. For some products as **DURA steelheads** only this option is available.

2. In the product selection area, select the desired values for each available property, depending on the product. Once all the properties have a value, the product code will be filled in automatically.

To insert an object into the model, the user must press the INSERT button. The MODIFY button will modify the currently selected object to the configured one. If nothing is selected in the model, the user is prompted to select the objects to be modified.

The user can also add custom parameter values when inserting or modifying an object under the PRODUCT DATA CONFIGURATION section. These are optional parameters.
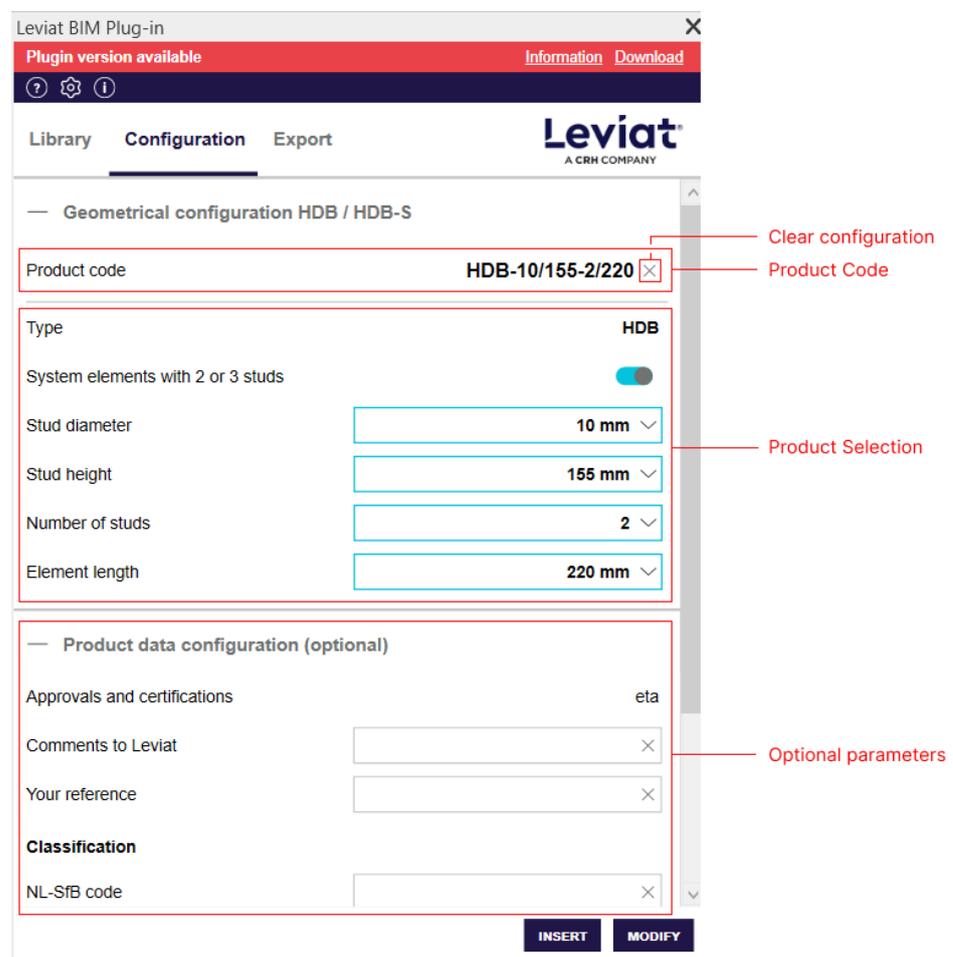
Figure 6 – Configuration tab

Offsets in Revit

All Leviat objects inserted from the Leviat BIM Plugin can be offset from the surface they are placed in. Users can do this using the "Offset from face LEVIAT" parameter.

Note: Negative values are not allowed.
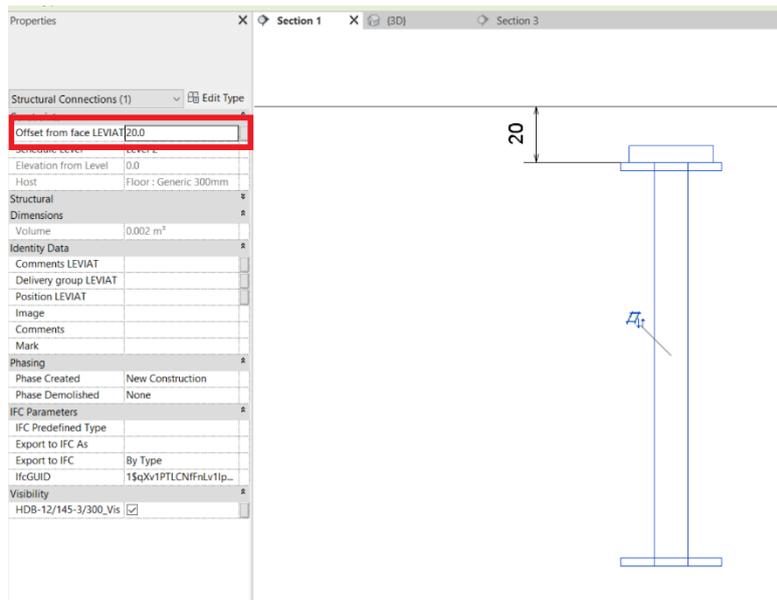
Figure 7 – Offset parameter in Revit

Creating a list of objects in Excel

The EXPORT tab allows the user to export the list of the selected Leviat objects in the model to Excel. The Excel templates vary according to the selected project environment.
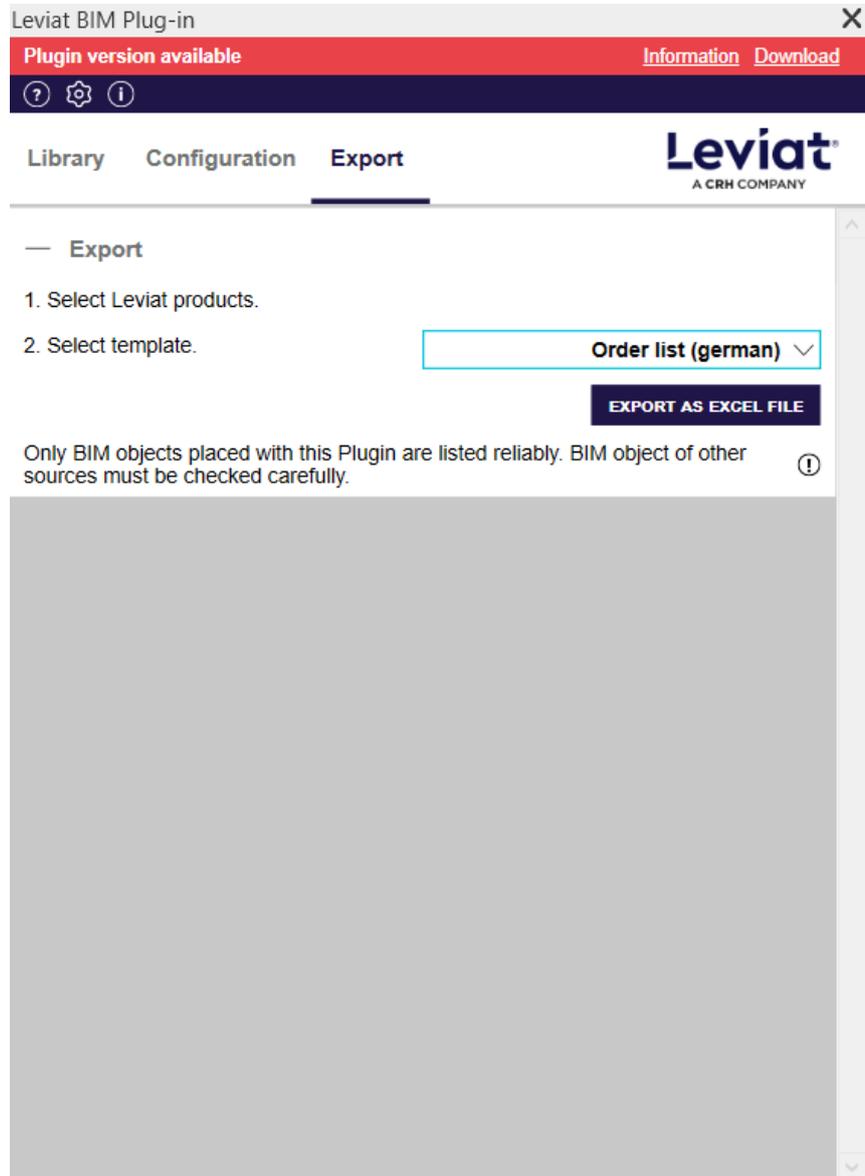
Figure 8 – Export tab

Advanced installation options

Adjust the path for locally stored plugin data

This may be necessary if the plugin interrupts the update process at plugin startup. Adjust then the path for locally stored plugin data. You will need permissions to write and delete data in the selected folder.

Note: OneDrive or other folders that require you to close a pop-up when deleting or performing similar actions may cause problems or fail to update later.

Open the Registry editor on your PC. You might need to contact your IT Administrator for that action.

1. Open the following folder: Computer\HKEY_CURRENT_USER\SOFTWARE\Pro Engineers\Leviat\BIM-Plugin
2. Right click on "AppDataPath" and select "Change".

Change the path to a folder where you have the rights to read and write data.

Figure 9 – Paths in Registry

Customized parameter mapping

If you are interested to map product data to another parameter or add values, please contact bim.support@leviat.com.

Silent installation

If you are interested in a silent installation option, please contact bim.support@leviat.com.

Errors / warnings

Plugin update failed

If you want to open the Plugin and get this error message, follow these instructions: Adjust the path for locally stored plugin data.
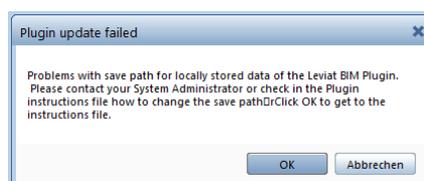
Figure 10 – Error while starting up pluign

Then restart REVIT.