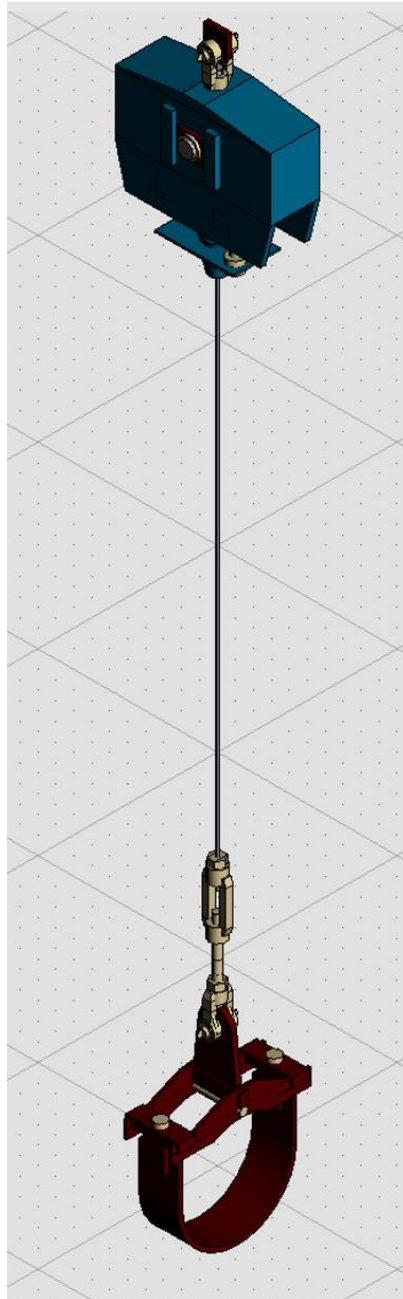


LISEGA Plugin for Tekla Structures



Version 12.1.1.6

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Introduction and requirements

The plugin is available for Tekla Structures versions 2021 and higher.

Tekla Structures must be installed before starting the installation of this plugin.

Our software LICAD 12 must be installed on the computer to use the plugin.

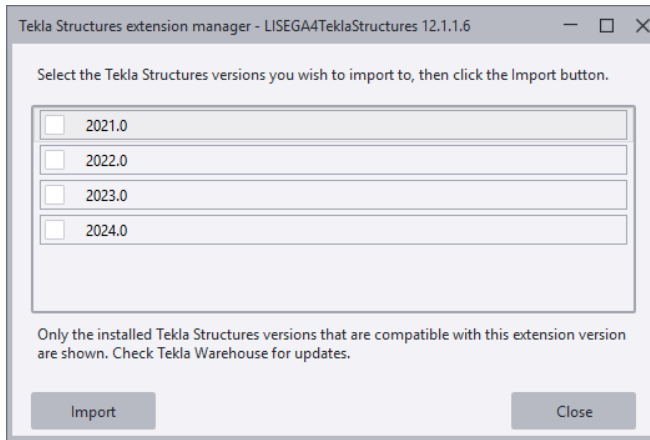
Installation

The Tekla Structure Extension Package (LISEGA4TeklaStructures_V_12_1_0_6.tsep) is the installation file. Double click on it will start the installation.

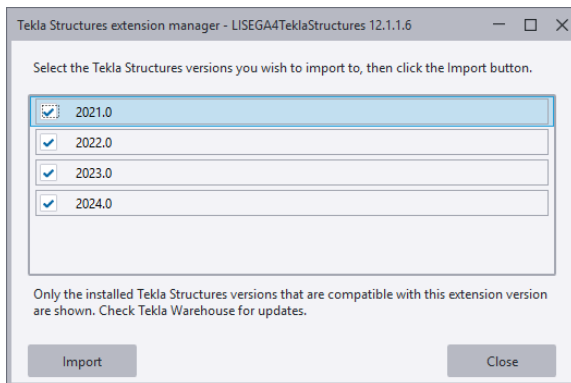
Tekla Structure Extension Package installation

Installation for Tekla Structures

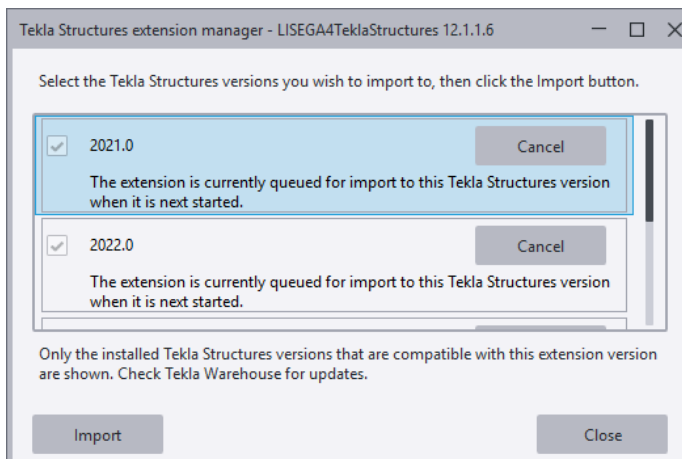
A double click on the .tsep file will open the Tekla Structures extension manager:



Select the versions where the extensions should be installed to:

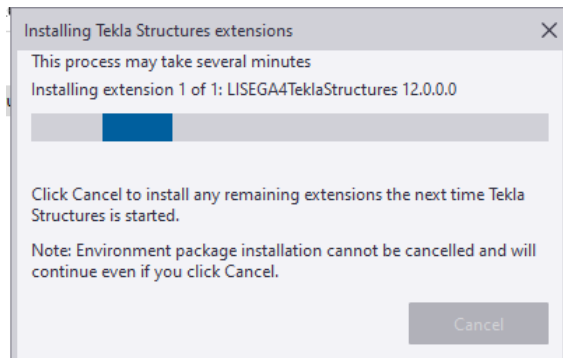


Press button “Import” and the following information is shown:



Click button “Close” to exit the extension manager.

Tekla Structures will show an installation information during the next start that the plugin will be installed.



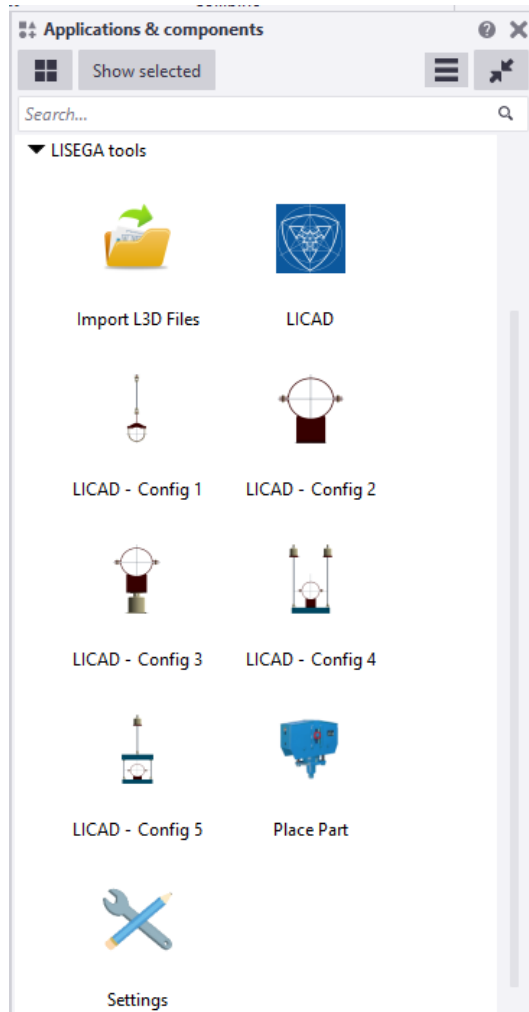
No additional configuration is needed.

LISEGA catalogue 2020

Our catalog 2020 is added to the Applications & components library:

LISEGA tools

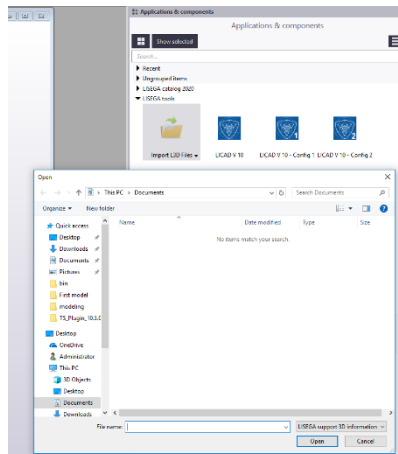
Beside the catalog there are also a few utilities installed.



Import L3D files


Our software LICAD can create complete supports and export the generated supports as L3D file. The tool „Import L3D files“ is used to generate 3D models from the data inside a L3D file.

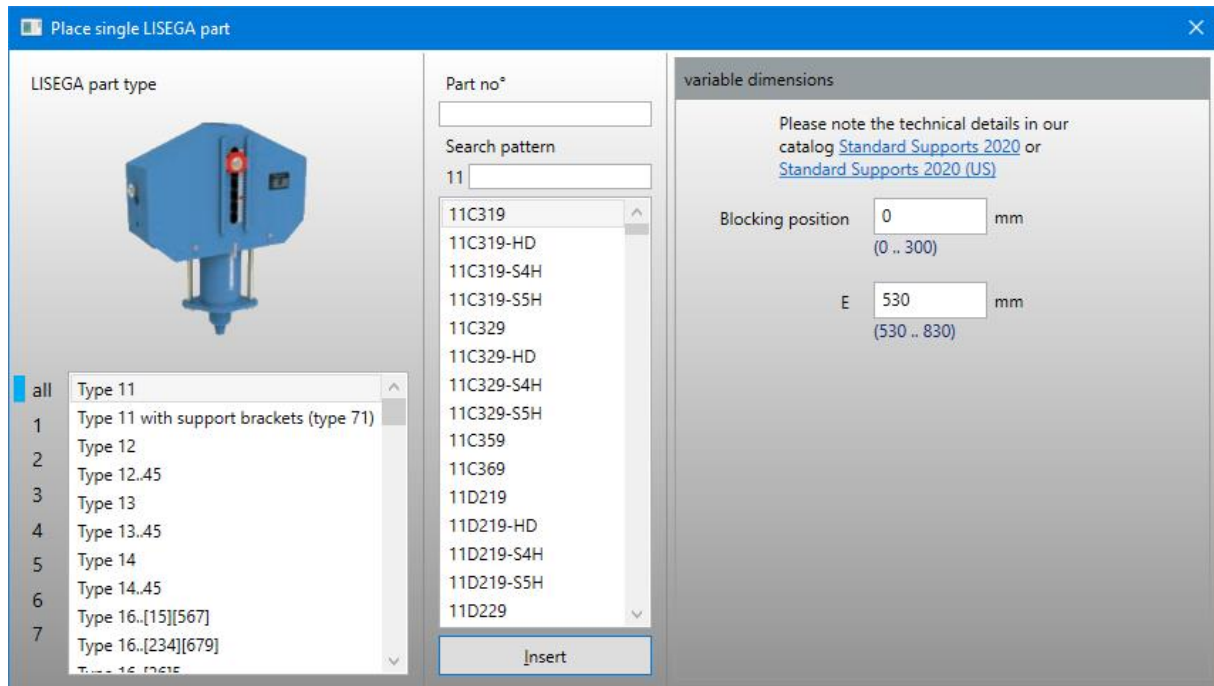
The tools will only ask for a L3D file to open:



The tool will create the support directly after the click on the button “Open”.

Place part

Our catalog 2020 is also included. You can use the “Place part” tool  to select the wished part and define its necessary properties:



At the left side you can pre-select the product group (All, 1, 2, 3, ..) if you like, but you must select a type (Type 11, Type 12, ...) to get the list of parts of that type (e.g.: 11C319, ...).

After you selected a part (here: 11C319) the possible properties and its value range is shown on the right side of the dialog. Enter any valid value or use the default values.

To insert the part press the button “Update”

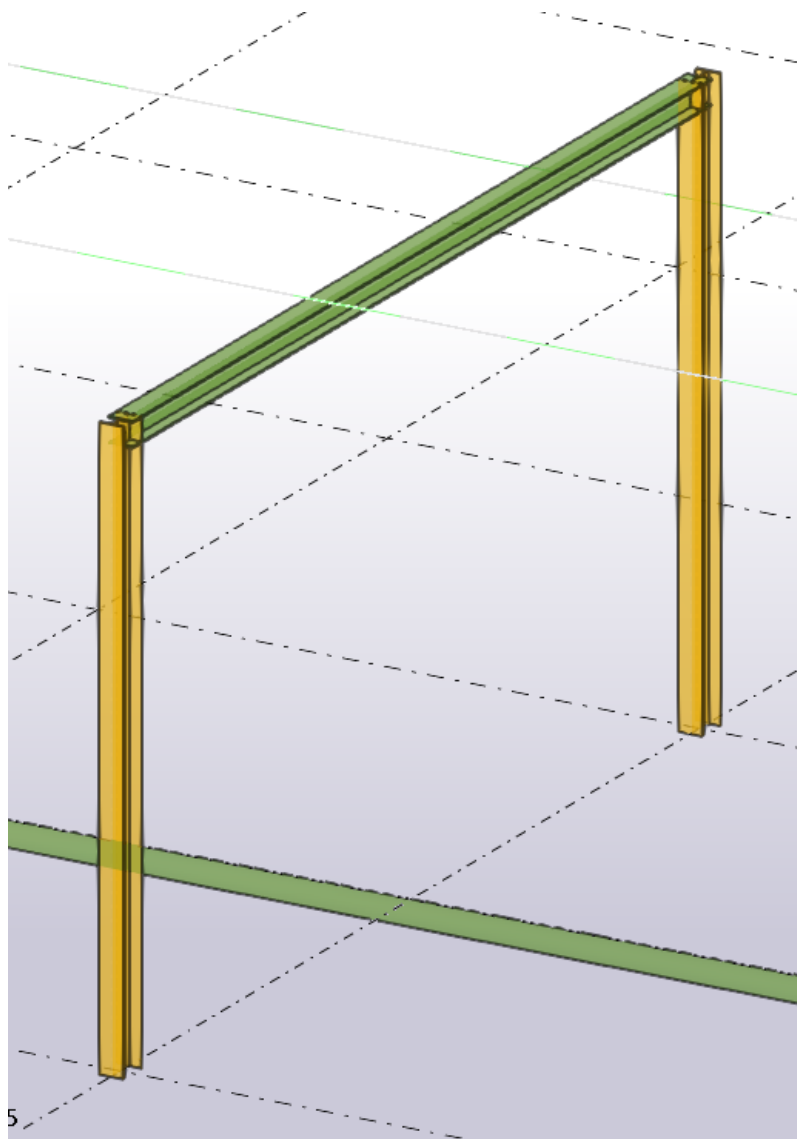
LICAD tools

All LICAD tools will start an interactive creation of a support. The first steps are to define the kind of support and its geometry. This is done inside Tekla Structures. The tool will start our software LICAD automatically after these steps. The data (pipe diameter & geometry) is transferred to LICAD. Only the missing input data must now be entered in LICAD. Pressing the button „Next“ (Green arrow button) will close the LICAD window and the support is send back to the plugin.

The plugin creates now the 3D model of the support in Tekla Structures.

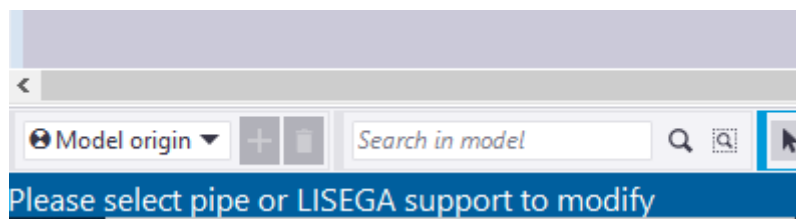
Example:

Starting point (a pipe and some steelwork)

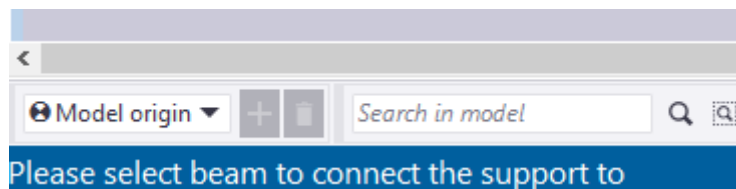


Start the LICAD macro

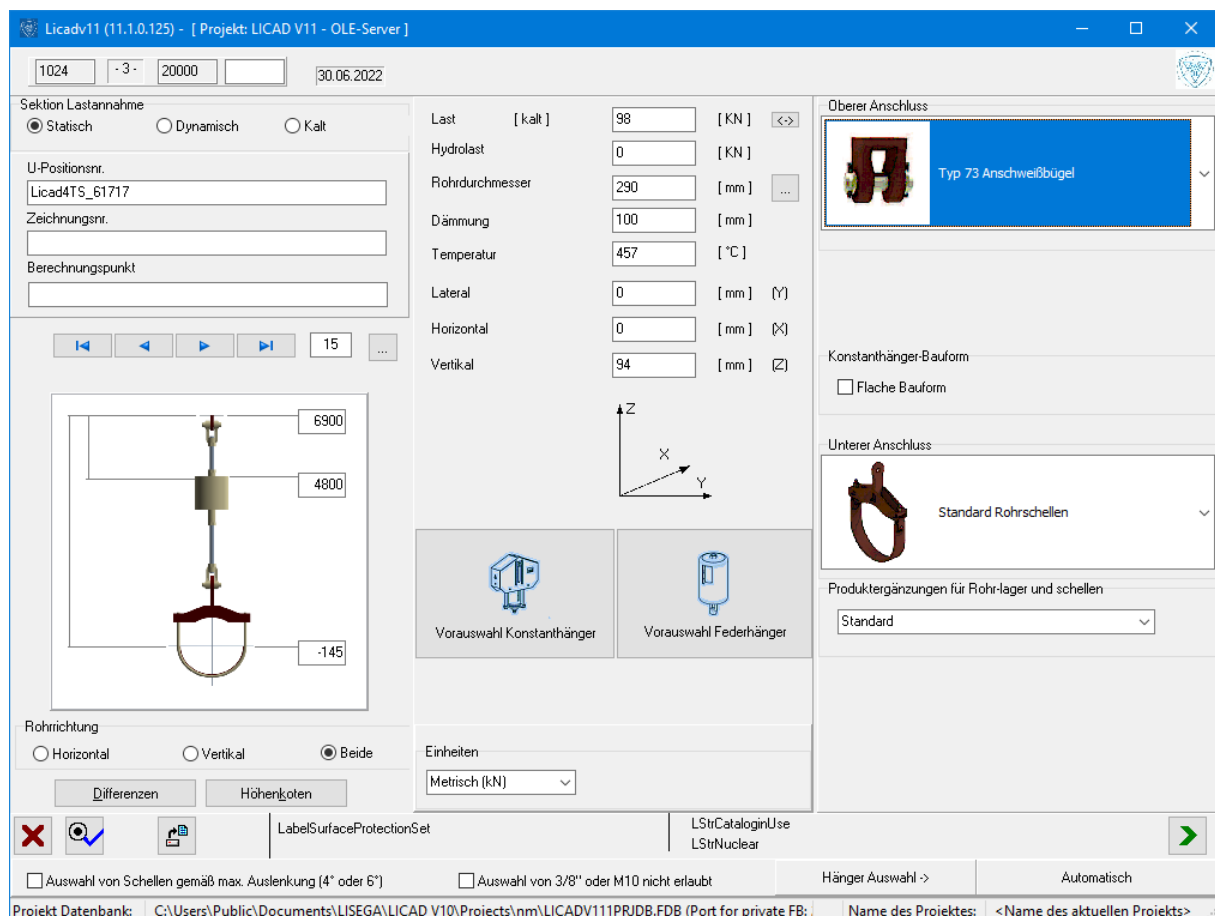
The first step is to select the pipe:




After that the command asks for the beam where the support should be connected to:

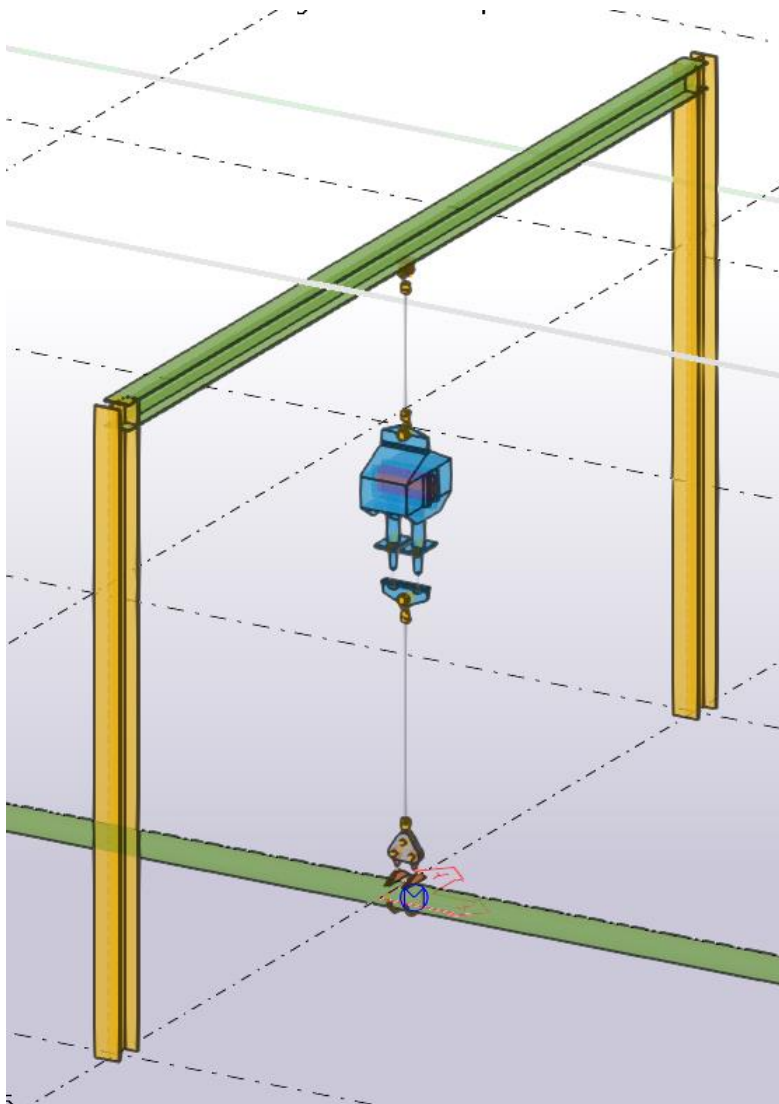


Now our Pipe Design program LICAD is started. Here it is necessary to complete the required input values:



When all data is entered the button  in the lower right corner can be pressed. LICAD calculates now the required parts for the pipe support and returns the technical data of the support and the part list back to Tekla Structures.

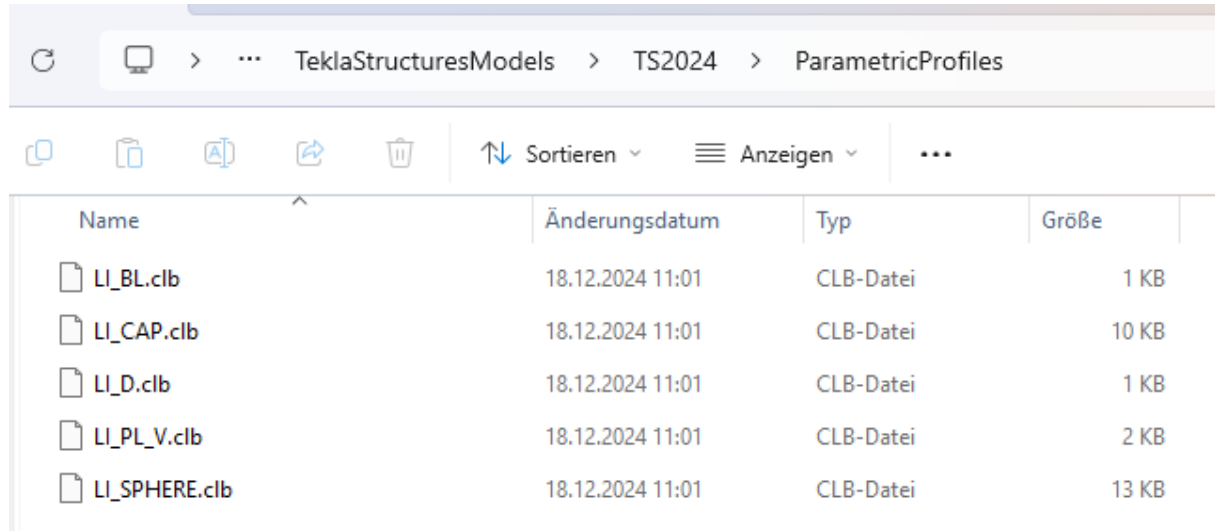
Here the command creates the LISEGA support in the Tekla Structure model:



LISEGA profiles

The plugin requires that some additional profiles are available in the model (see next chapter “LIST of LISEGA profiles”).

The profiles are stored as .clb files in the sub folder “ParametricProfiles” in the model folder:



Name	Änderungsdatum	Typ	Größe
LI_BL.clb	18.12.2024 11:01	CLB-Datei	1 KB
LI_CAP.clb	18.12.2024 11:01	CLB-Datei	10 KB
LI_D.clb	18.12.2024 11:01	CLB-Datei	1 KB
LI_PL_V.clb	18.12.2024 11:01	CLB-Datei	2 KB
LI_SPHERE.clb	18.12.2024 11:01	CLB-Datei	13 KB

Each of our tools is checking at startup, if these profile definitions exist. The files are created, if the profiles do not exist.