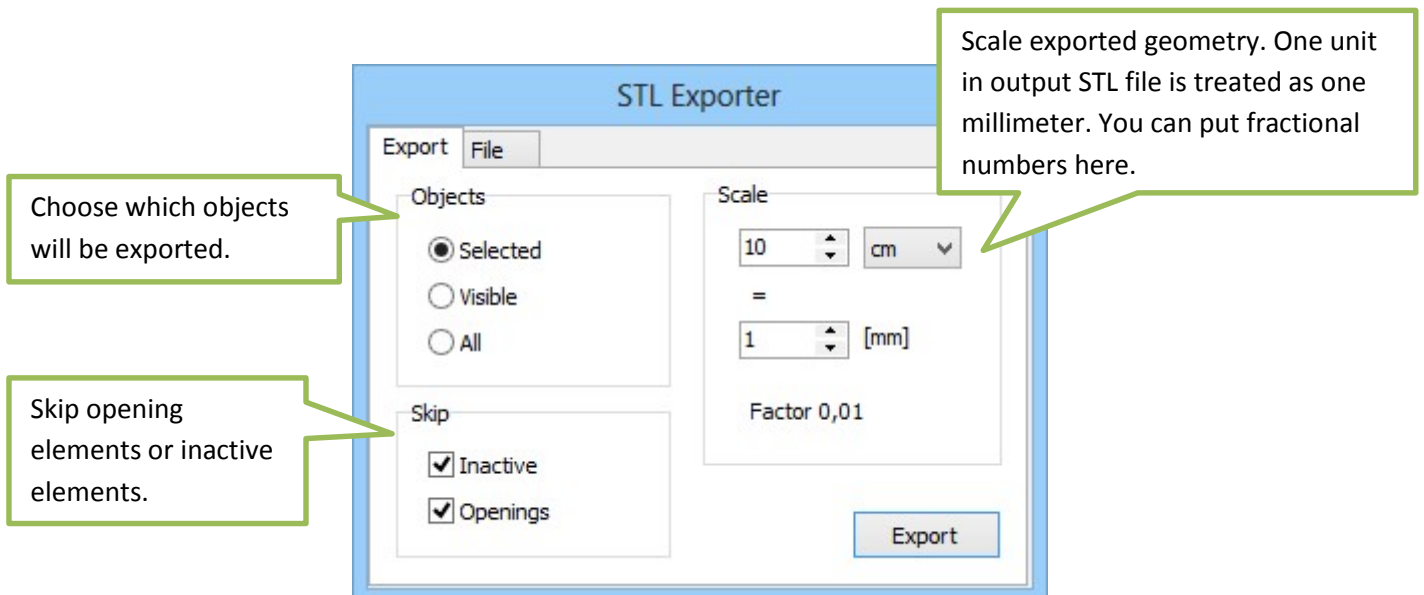# STL Exporter

Plugin for BIM Vision

Thank you for choosing STL Exporter plugin. This BIM Vision extension allows you to export geometry from entire model or from its parts to STL file.

User interface

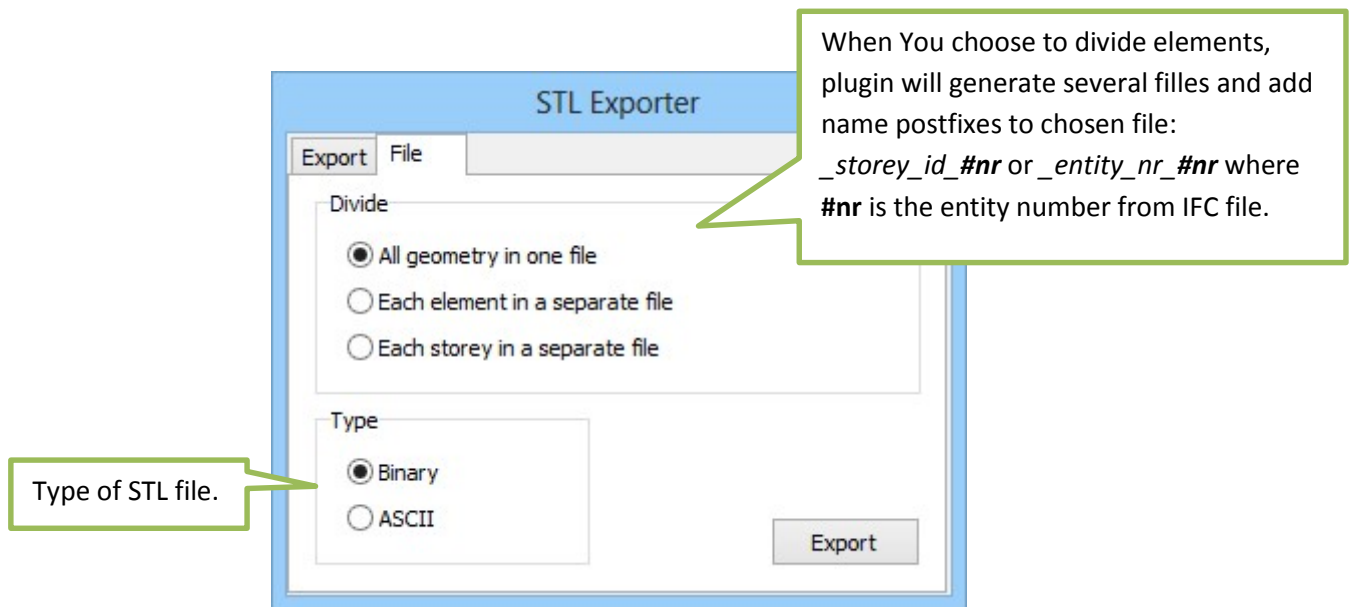Plugin adds button in ribbon tab "PLUGINS" where you can export geometry from.

After clicking on this button you will be able to choose export options.

Choose which objects will be exported.

Skip opening elements or inactive elements.

Scale exported geometry. One unit in output STL file is treated as one millimeter. You can put fractional numbers here.
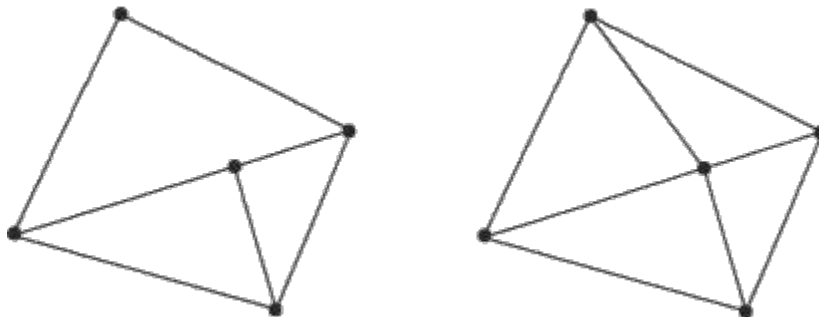
To quickly decide which objects will be exported you can activate/deactivate it in BIM Vision object list (Types view).

Second tab contains file generation options:

When You choose to divide elements, plugin will generate several filles and add name postfixes to chosen file: _storey_id_**#nr** or _entity_nr_**#nr** where **#nr** is the entity number from IFC file.

Type of STL file.

STL file

Depending on the geometry in IFC file, generated files are **not** consistent with the **vertex-to-vertex** rule. A vertex of one triangle can lay on the side of another (left figure below). Edges may intersect with each other in points which are not triangle vertices. Triangles may also overlap or intersect with each other.

Demo limitations

You can do two export operations per application run and only to binary files. There is also limit for number of exported geometrical elements set to about 100 (one IFC object may contain many geometrical elements).

Contact and copyrights

If you have any suggestions or questions please write to: contact@bimvision.eu with "plugin STL Exporter" in title. More plugins: store.bimvision.eu

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Plugin use FatCow icons (http://www.fatcow.com/free-icons)