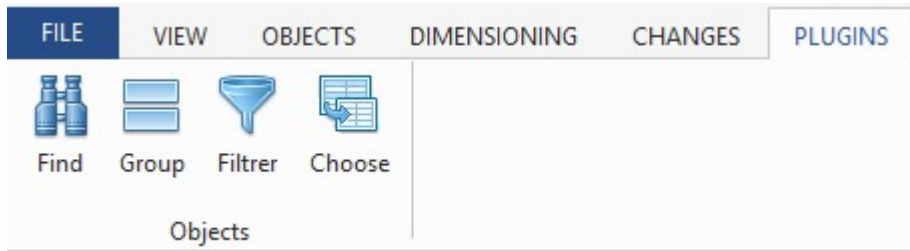# Objects Info

Plugin for BIM Vision

Thank you for choosing Objects Info plugin. This BIM Vision extension allows you to search, group, filter and choose objects by name, type or property. Plugin adds a new button group "Objects" in ribbon tab "PLUGINS".

Each button opens different window. There are four main functionalities:

🔭 Find

Find text in objects and properties (names, descriptions and values).

Group

Group objects by name, description, IFC type, user tag, material name and property values.

Select property name to group by.

Add name of property group for better navigation and distinguishing between same property names.

View property values and objects that have it.

In brackets - number of objects.

Select objects (with children)

Click right mouse button to display context menu, that allows to change visibility, active state and set tag for objects.

Double click to zoom to selected objects

Show viewer's "IFC structure" window and its properties.

Do not include invisible or inactive objects while grouping.

Group objects - Demo

Class

☐ Include property group name

- ⊞ 1 (107)
- ⊞ 10 (34)
- ⊟ 2 (3)
  - Beam
  - Column
  - Column
- ⊞ 6 (611)
- ⊞ 8 (140)
- ⊞ 9 (49)
- ⊞ <don't have> (199)

☐ Only active   ☐ Only visible

Context menu.

Do not affect objects' children.

Mark elements to do more complex filtering and grouping.

Same as BIM Vision visibility/activate options.

Objects	▶	Set user tag	▶	0
Objects with children	▶	Show		1
		Hide		2
		Transparent		3
		Activate		4
		Deactivate		...

Filter

Filter objects by name, description, IFC type , user tag, material name and property values.

Add name of property group for better navigation and distinguishing between the same property names.

Select the compare operator.

Select property name to filter.

Save or load user predefined filters.

Remove criteria.

Add another criteria.

Choose or enter the value of criteria.

Do not include invisible or inactive objects for filter.

Show viewer's "IFC structure" window and its properties.

Do not include objects without geometric representation.

Property values of object.

Select objects (with children).

Click right mouse button to display context menu, that allows to change visibility, active state and set tag for objects.

Double click to zoom to selected objects

Filter objects - Dem

Include property group name

Parameter	Op.	Value
Class	=	8
IfcEntity	=	IfcSlab
NetArea	>	14
+ add	=	

☐ Only active   ☐ Only visible   ☐ Only geometric

- match (11)
  - Slab

Class	8
Tekla_General	
IfcEntity	IfcSlab
NetArea	22,740935
Tekla_Quantities	
NetArea	10,318062
BaseQuantities	

  - Slab
  - Slab
  - Slab
  - Slab
  - Slab
  - Slab
  - Slab
  - Slab

The compare operators:

=	equal
<, >	less or greater (numbers)
<>	not equal
*	Contains (texts)

When option "Geometric" is checked, all object without geometric representations will be excluded. These objects are usually:

- grouping elements (project, buildings, storeys)
- parents of composite elements

Select

Show chosen properties of first selected object.

Add name of property group for better navigation and distinguishing between the same property names.

Select property name (grey if object does not have it)

Add another property.

Save or load user property list.

Remove property.

Property value of selected object. Use *Ctrl+C* shortcut or popup menu to copy it to clipboard.

Demo limitations

Plugin demo allows to about 100 view refresh operations caused by plugin. It does not allow also to group and filter by object's materials. Once you reach the demo usage limit, you must wait an hour and restart application.

Release notes

1.11

- Support for "Graphite Gray" color theme

1.10

- Added option to skip objects without geometric representation in filter window - "Geometric" check box.
- Width of column "Parameter" in filtering and selecting property windows now can be easily changed and width of the column "Value" is adjusted automatically to window size.

1.9

- Added ability to group and filter objects by material name.

1.8

- The bulbs in grouping and filtering results were replaced with context menu. Menu is divided into "Objects" (the old bulb operations) and "Objects with children" (same as ribbon visibility options).
- Added ability to change active state for grouped and filtered objects.
- Added ability to set tag values for grouped and filtered object. This values can be used to do more complex filtering and grouping (logical sum, etc.).

1.7

- Bug fixes and speed improvements.

Contact and copyrights

If You have any suggestions or questions please write to: contact@bimvision.eu with "plugin Objects Info" in title.

More plugins: store.bimvision.eu

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Check out video presentation of this plugin on BIM Vision YouTube channel :