

# VIP Export

This tool exports Revit project to the energy calculation program Vip Energy.

Vip Energy Export has two functions:

1. Export to VUT file - which is the main entrance to the function and handles the export.
2. Create ViP Energy Parameters - which creates all shared parameters the function requires – these are created when you run the export function, but you have the choice to create them separately.

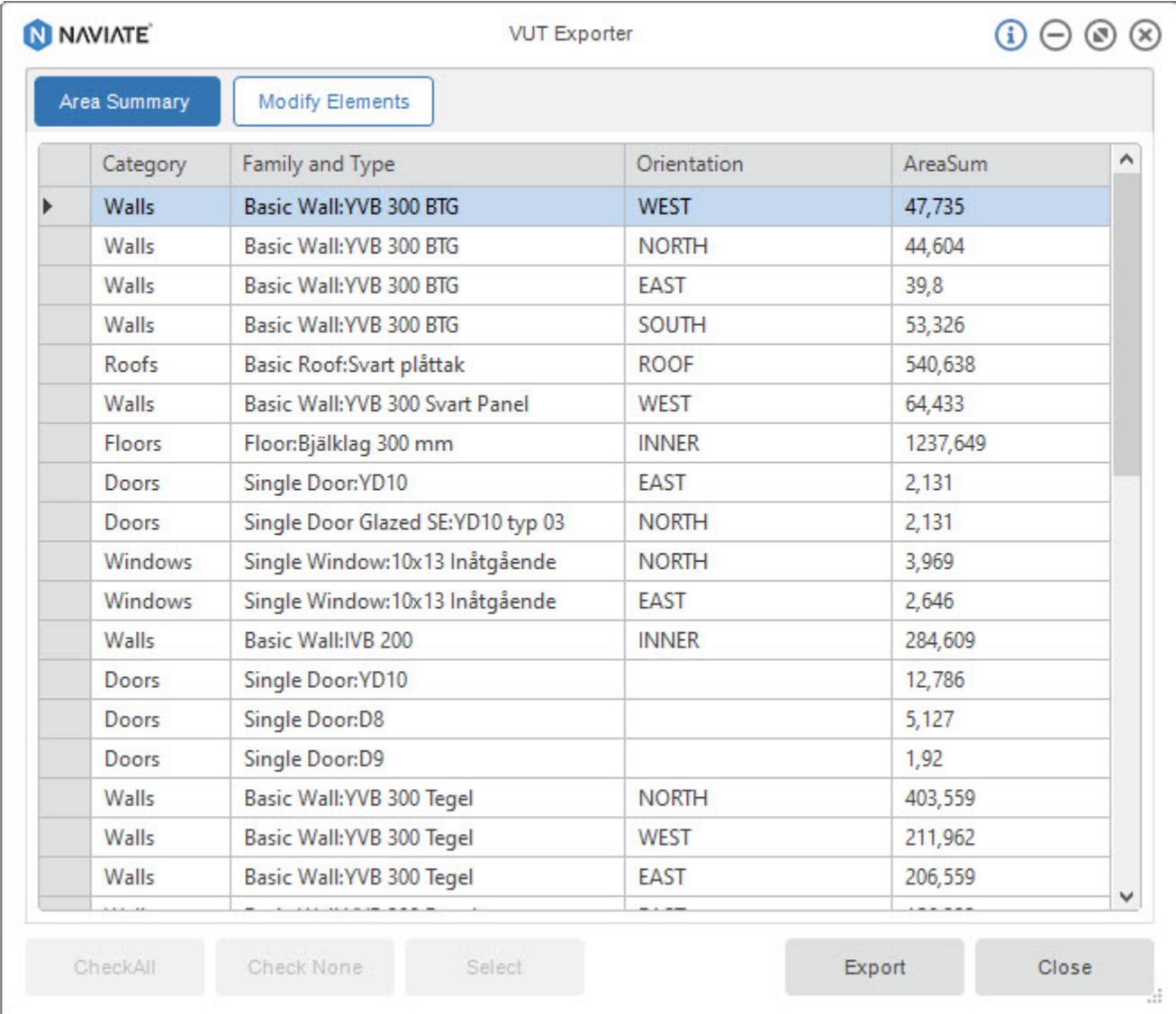
## Export to VUT file

Main features of the tool are:

- The function exports to a VUT-file, which may be opened by other applications as well, and allows you to verify the information before exporting, adjust the information as well or add more information on special parameters.

Export to a VUT file has two tabs.

The first tab of the export window is a summary of all elements, grouped by category and orientation. Please note that orientation is based on the angle to true north in your Revit project - so make sure it's correct.



The screenshot shows the NAVIATE VUT Exporter window. It has two tabs: "Area Summary" (selected) and "Modify Elements". The main area contains a table with the following data:

	Category	Family and Type	Orientation	AreaSum
▶	Walls	Basic Wall:YVB 300 BTG	WEST	47,735
	Walls	Basic Wall:YVB 300 BTG	NORTH	44,604
	Walls	Basic Wall:YVB 300 BTG	EAST	39,8
	Walls	Basic Wall:YVB 300 BTG	SOUTH	53,326
	Roofs	Basic Roof:Svart plåttak	ROOF	540,638
	Walls	Basic Wall:YVB 300 Svart Panel	WEST	64,433
	Floors	Floor:Bjälklag 300 mm	INNER	1237,649
	Doors	Single Door:YD10	EAST	2,131
	Doors	Single Door Glazed SE:YD10 typ 03	NORTH	2,131
	Windows	Single Window:10x13 Inåtgående	NORTH	3,969
	Windows	Single Window:10x13 Inåtgående	EAST	2,646
	Walls	Basic Wall:IVB 200	INNER	284,609
	Doors	Single Door:YD10		12,786
	Doors	Single Door:D8		5,127
	Doors	Single Door:D9		1,92
	Walls	Basic Wall:YVB 300 Tegel	NORTH	403,559
	Walls	Basic Wall:YVB 300 Tegel	WEST	211,962
	Walls	Basic Wall:YVB 300 Tegel	EAST	206,559

At the bottom of the window, there are buttons for "CheckAll", "Check None", "Select", "Export", and "Close".

The second tab is grouped by type and this is where you're able to adjust the orientation and the areas of your elements.

The changes you make here are saved to the project, in various places:

**Export** determines if the elements are exported at all, it's a yes/no instance parameter on all the categories below.

**Orientation** is saved to an instance parameter, CQVIPOrientation.

**AreaAdjust** is saved to two different parameters, depending on category:

Floors, Roofs, Foundations and Walls save their adjusted areas to an instance parameter, CQVIPAreaAdjust.

Doors and Windows save to a type parameter, CQVIPTypAreaAdjust.

The other parameters exported by the function, such as absorption, deltau etc are mainly type parameters although some exceptions could exist on floors, roofs, walls.

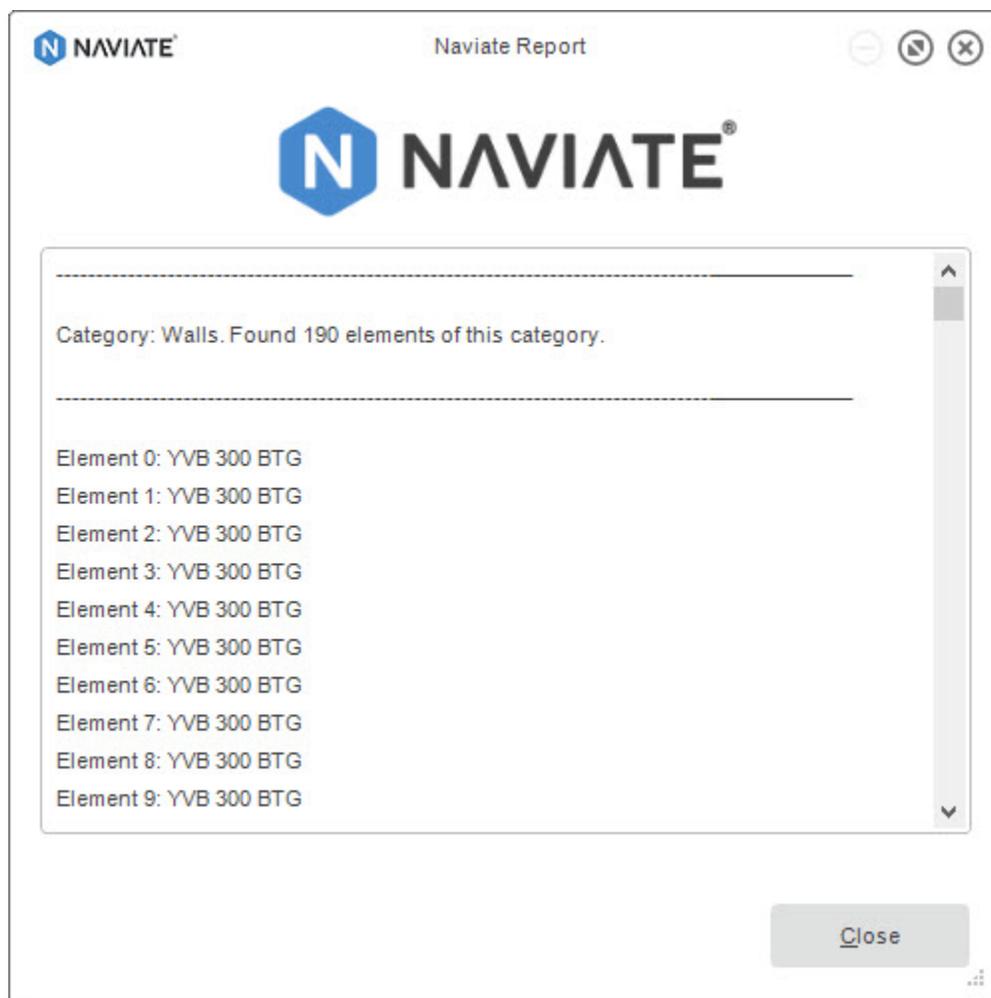
NAVIATE VUT Exporter

Area Summary Modify Elements

	Export	Categ...	Family and Type	Orientation	Area	AreaAdjust
▶	<input checked="" type="checkbox"/>	Walls	Basic Wall:YVB 300 BTG	WEST	17,175	17,175
	<input checked="" type="checkbox"/>	Walls	Basic Wall:YVB 300 BTG	NORTH	11,442	11,442
	<input checked="" type="checkbox"/>	Walls	Basic Wall:YVB 300 BTG	WEST	1,99	1,99
	<input checked="" type="checkbox"/>	Walls	Basic Wall:YVB 300 BTG	NORTH	3,903	3,903
	<input checked="" type="checkbox"/>	Walls	Basic Wall:YVB 300 BTG	WEST	4,051	4,051
	<input checked="" type="checkbox"/>	Walls	Basic Wall:YVB 300 BTG	NORTH	16,045	16,045
	<input checked="" type="checkbox"/>	Walls	Basic Wall:YVB 300 BTG	EAST	0,633	0,633
	<input checked="" type="checkbox"/>	Walls	Basic Wall:YVB 300 BTG	NORTH	2,58	2,58
	<input checked="" type="checkbox"/>	Walls	Basic Wall:YVB 300 BTG	EAST	3,313	3,313
	<input checked="" type="checkbox"/>	Walls	Basic Wall:YVB 300 BTG	NORTH	10,634	10,634
	<input checked="" type="checkbox"/>	Walls	Basic Wall:YVB 300 BTG	EAST	11,667	11,667
	<input checked="" type="checkbox"/>	Walls	Basic Wall:YVB 300 BTG	SOUTH	4,22	4,22
	<input checked="" type="checkbox"/>	Walls	Basic Wall:YVB 300 BTG	EAST	5,155	5,155
	<input checked="" type="checkbox"/>	Walls	Basic Wall:YVB 300 BTG	SOUTH	8,546	8,546
	<input checked="" type="checkbox"/>	Walls	Basic Wall:YVB 300 BTG	EAST	10,845	10,845
	<input checked="" type="checkbox"/>	Walls	Basic Wall:YVB 300 BTG	SOUTH	8,123	8,123
	<input checked="" type="checkbox"/>	Walls	Basic Wall:YVB 300 BTG	WEST	4,136	4,136
	<input checked="" type="checkbox"/>	Walls	Basic Wall:YVB 300 BTG	SOUTH	13,504	13,504

CheckAll Check None Select Export Close

Finally, after clicking Export and saving the file somewhere you will be presented with a report on which elements were exported.



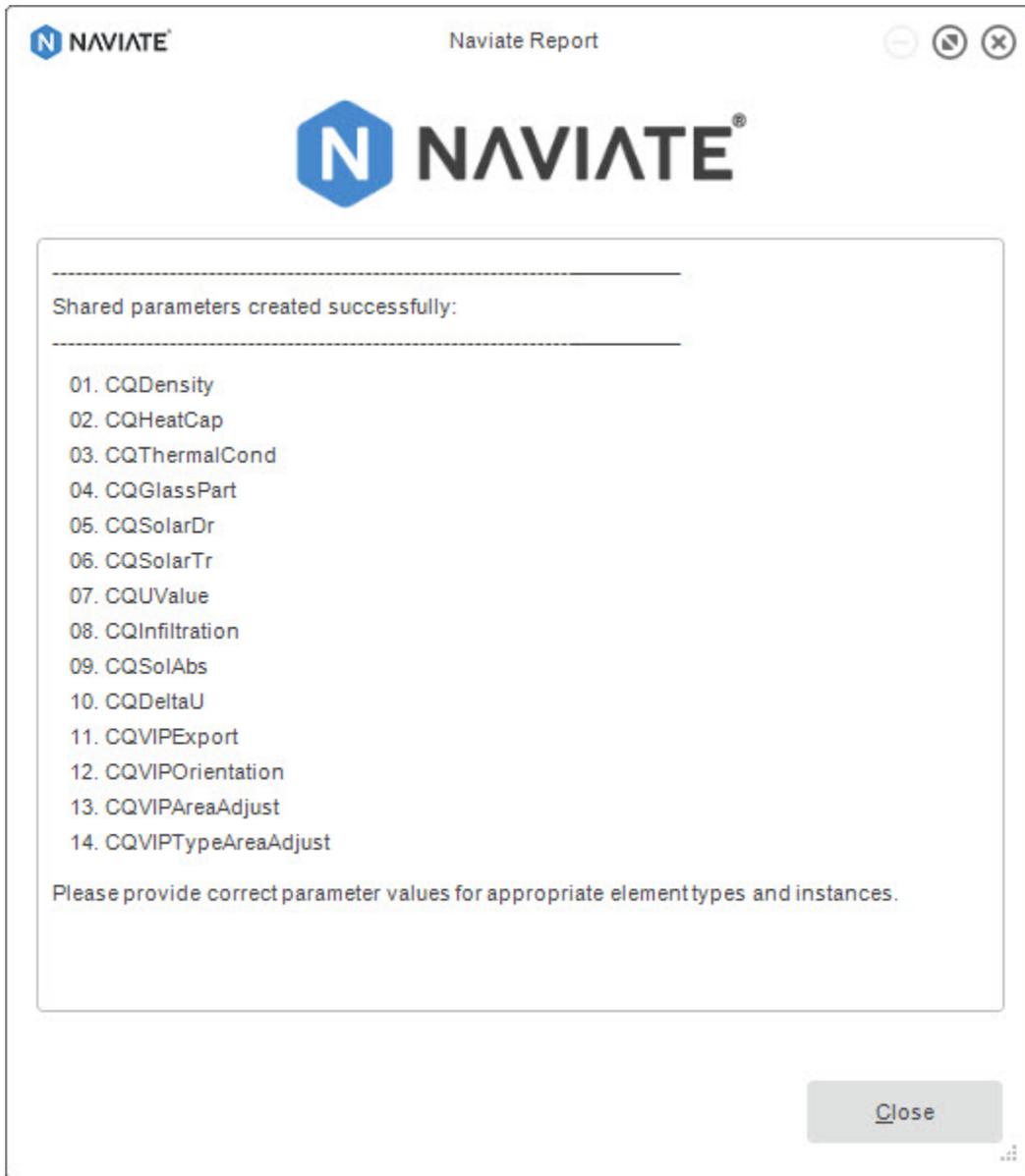
## Create VIP Energy Parameters

Main features of the tool are:

- These parameters are created when you run the export function, but you have the choice to create them separately.

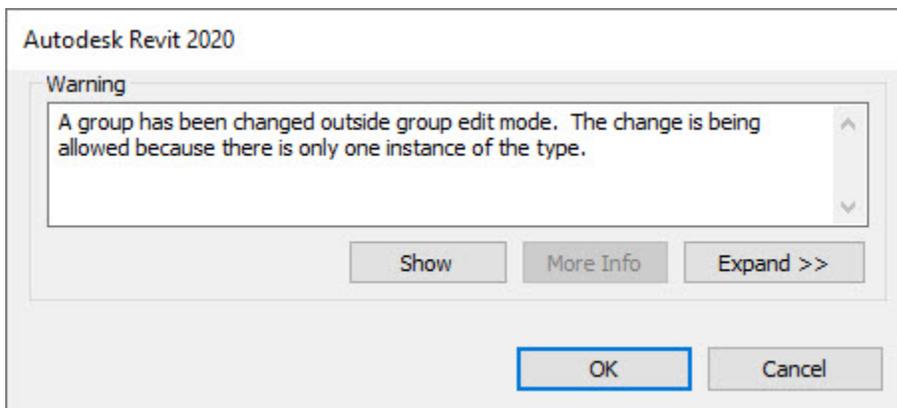
Please note that these parameters are shared parameters and are as such based on a text file - if you are using an older project the parameter GUID might be different.

To check, run the Create Parameters and afterwards verify that you have not received double parameters.

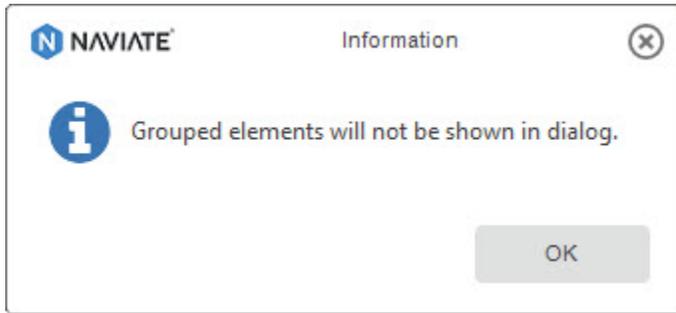


## Notes

If the elements are in a group then the export will work for grouped elements within one groups what belongs only one project instance. In this case user must manually add element to export by selecting it under the Modify Elements tab and confirm Revit's warning message.



For grouped elements that belonging to a group with more then one project instance the export is not supported so the elements are not shown in the dialog, and user is informed with the message.



**This tool is available in Swedish version only.**