



**RHINO Training**

Authorised by McNeel

Dr. techn. DI Jan Kokol

[www.rhinotraining.eu](http://www.rhinotraining.eu)



## **RHINO Training (Authorised by McNeel)**

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**Design doesn't create beauty, beauty origins from selection, affection, integration, love.**  
- Louis Kahn

The individual RHINO Training assists You to transfer Your ideas to reality. The professional experience in world's leading architecture, design offices as at leading university institutions ensure a high grade of specialized expertise.

We help You to explore the world in 3D and to master the construction and workflow in Rhinoceros. The RHINO Training services offer a large spectrum of workshops, ranging from the beginner level up to a highly skilled professional level for groups, individuals and university institutions.

### **Software:**

**| McNeel Rhinoceros 6.0 (alternative 5.0)**

### **Plug-Ins:**

**| Grasshopper**  
**| T-Splines**  
**| Clayoo**  
**| V-Ray**

### **Level:**

**| Beginner to advanced users**

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[www.rhinotraining.eu](http://www.rhinotraining.eu)

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[info@rhinotraining.eu](mailto:info@rhinotraining.eu)

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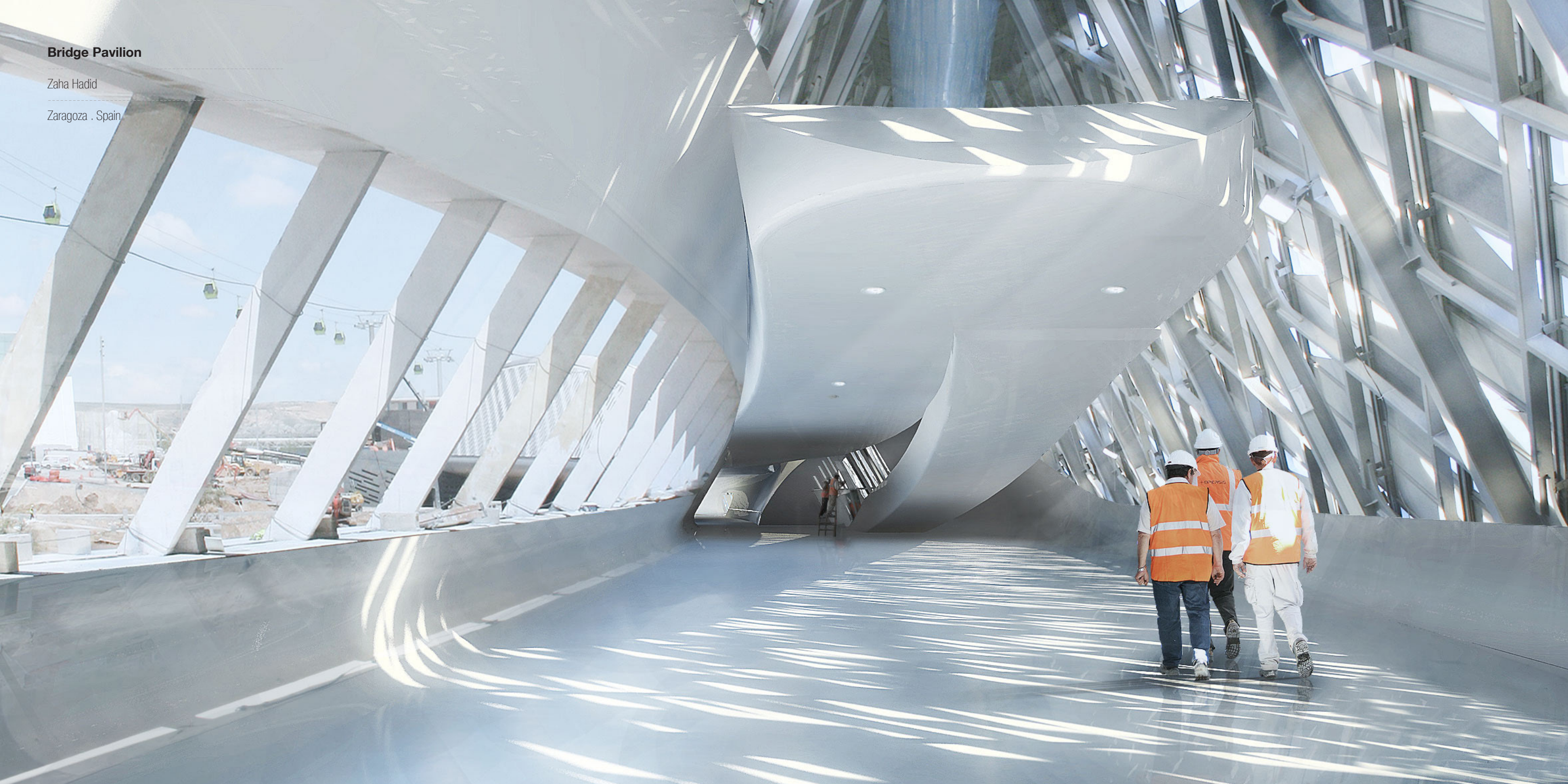




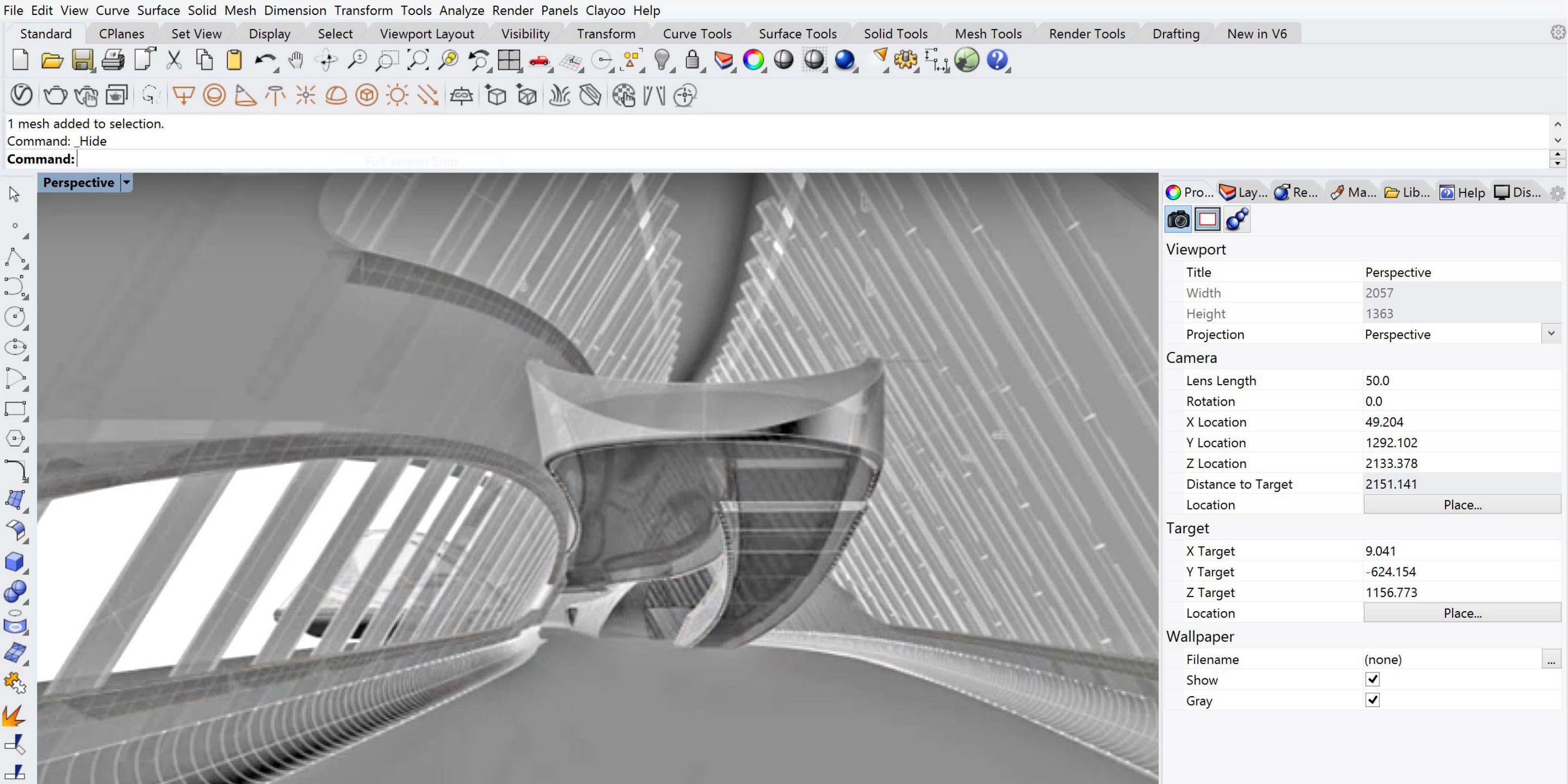
## Bridge Pavilion

Zaha Hadid

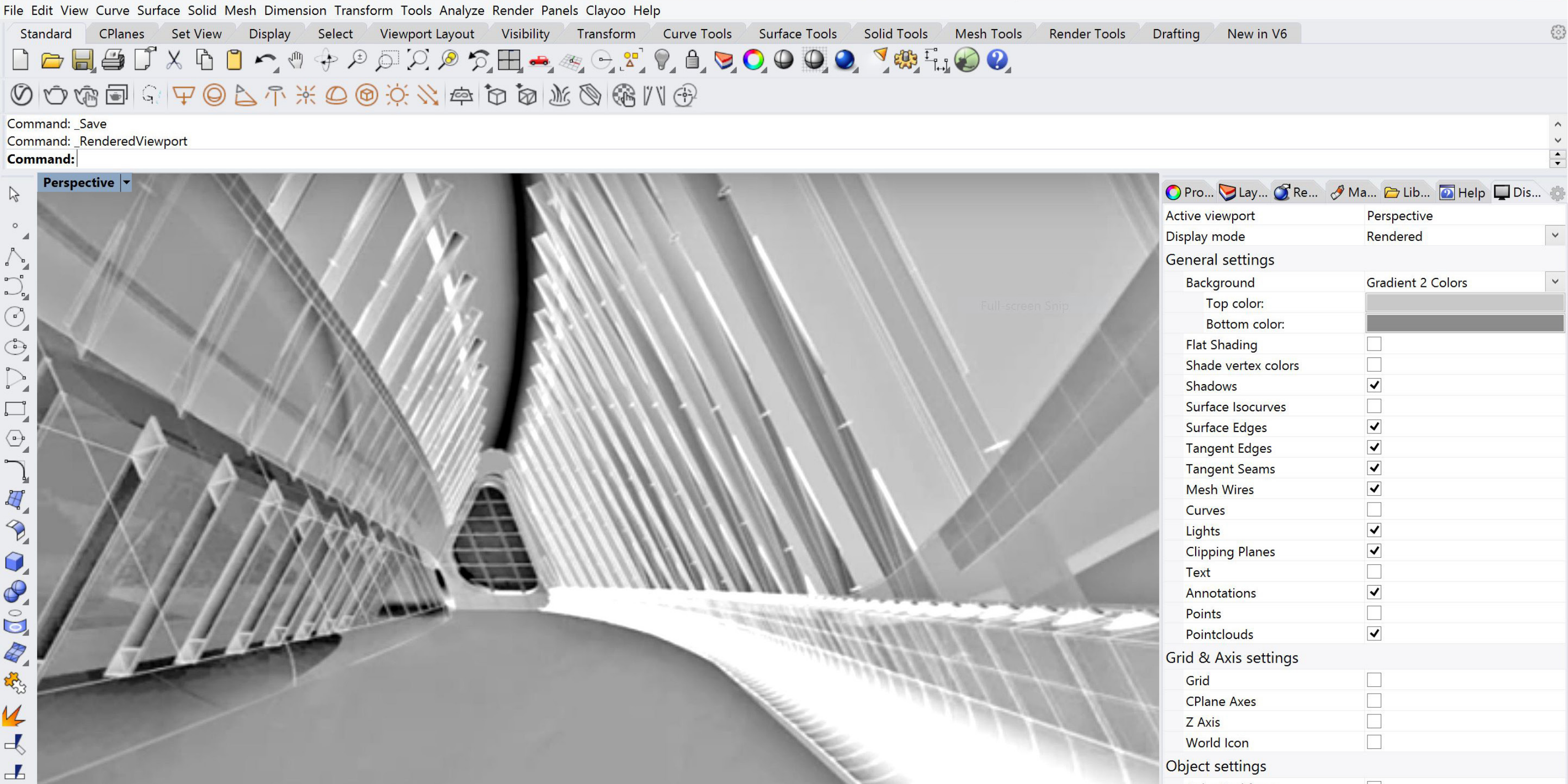
Zaragoza . Spain













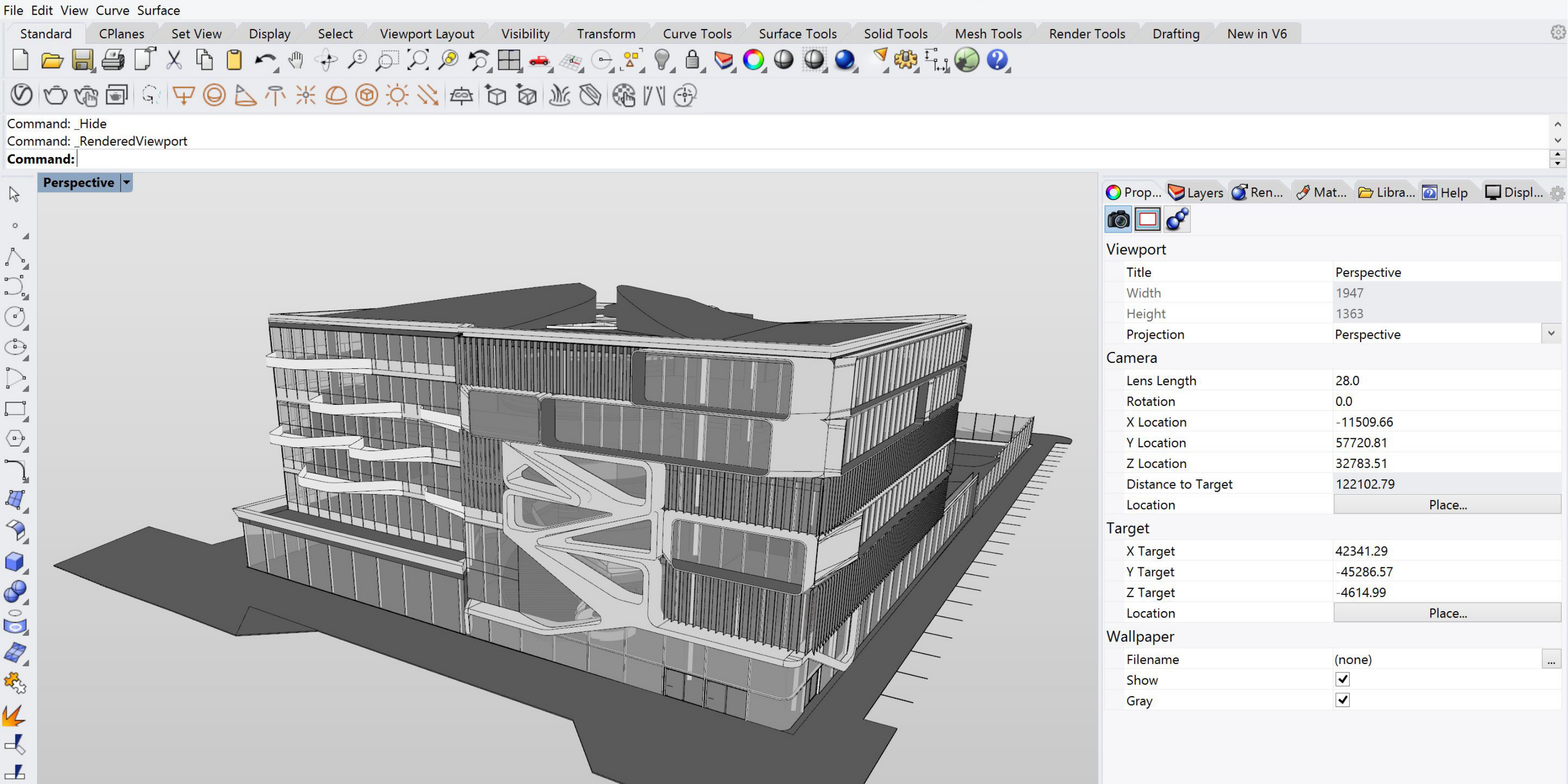
## Baku 2

UNStudio

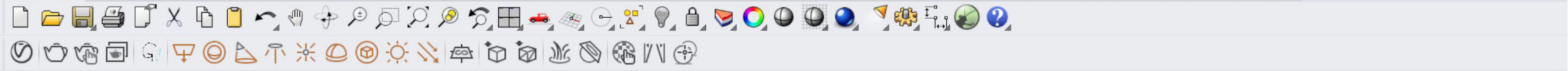
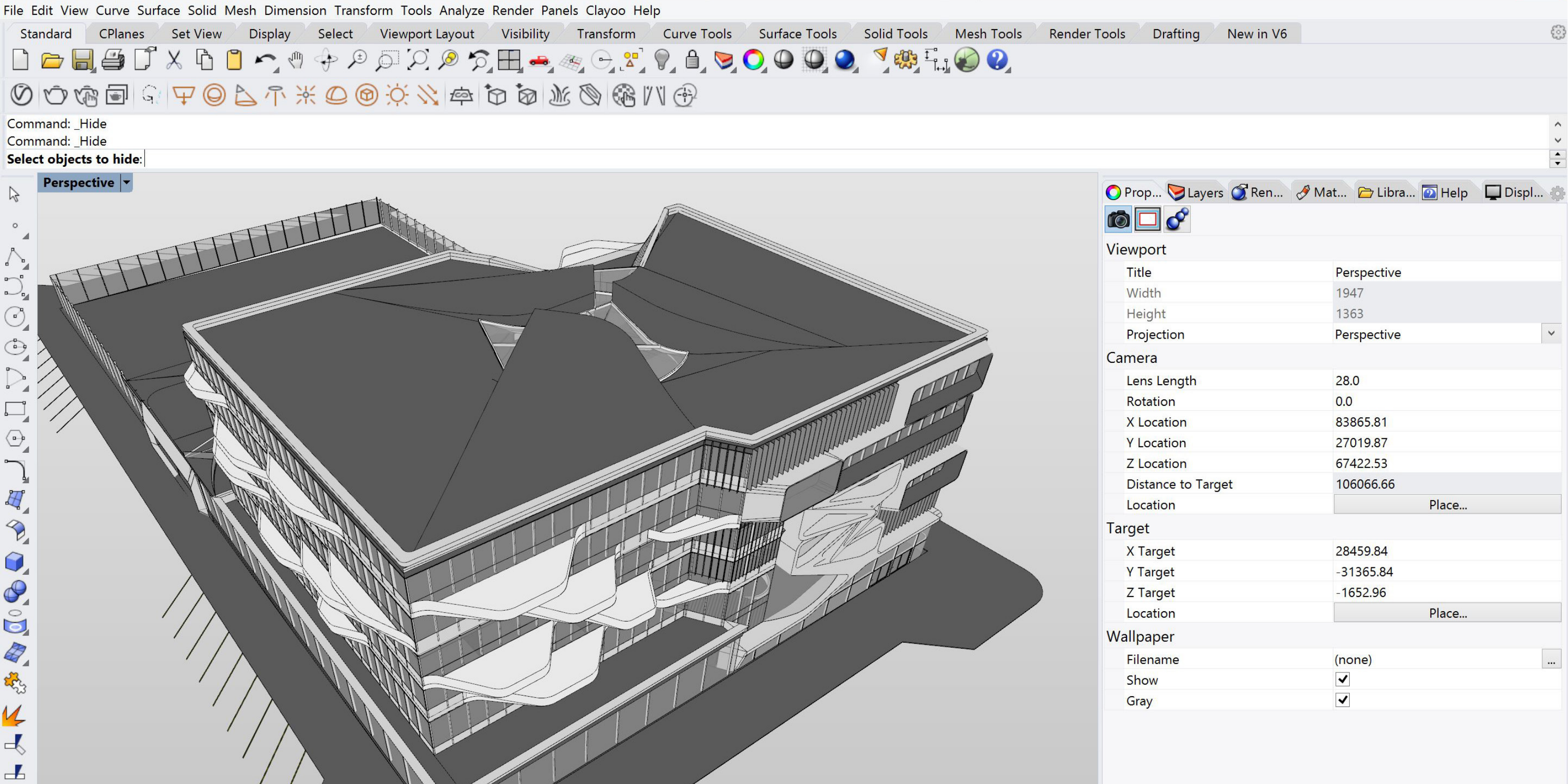
Baku . Azerbaijan





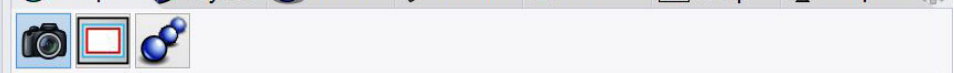
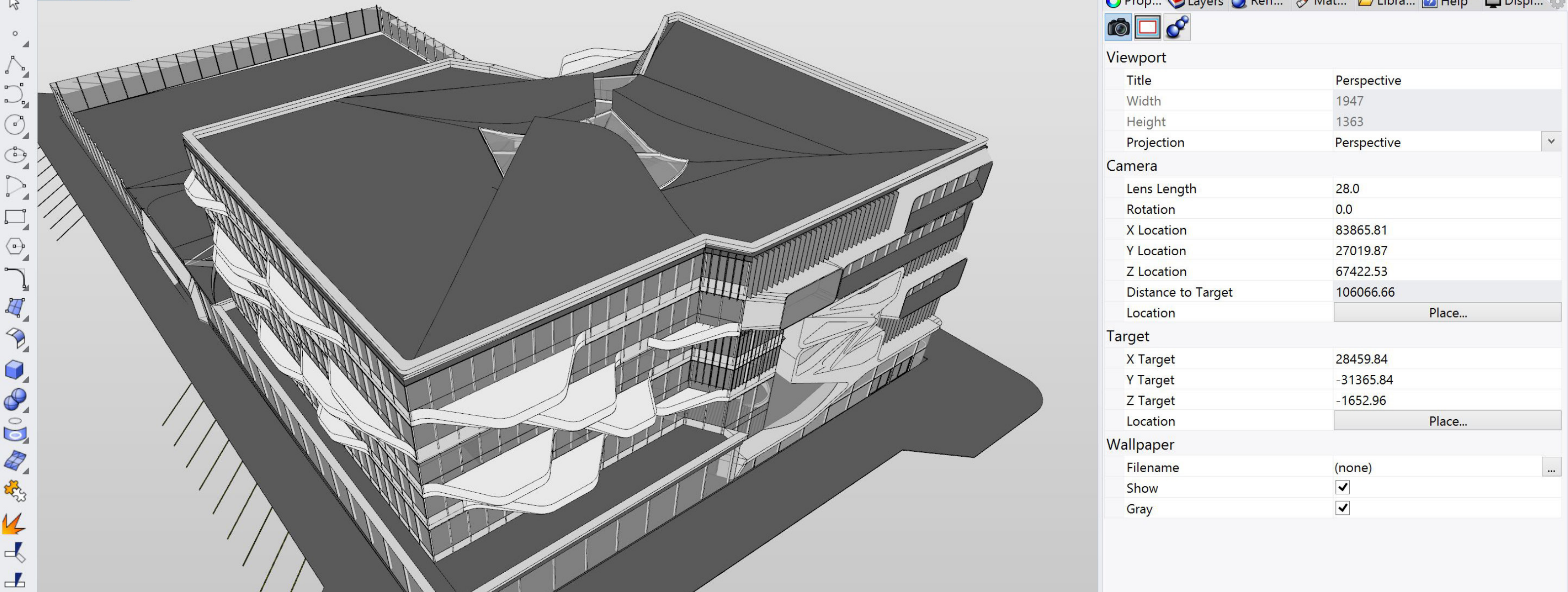






Command: \_Hide  
Command: \_Hide  
Select objects to hide:

Perspective



Viewport

Title	Perspective
Width	1947
Height	1363
Projection	Perspective

Camera

Lens Length	28.0
Rotation	0.0
X Location	83865.81
Y Location	27019.87
Z Location	67422.53
Distance to Target	106066.66
Location	Place...

Target

X Target	28459.84
Y Target	-31365.84
Z Target	-1652.96
Location	Place...

Wallpaper

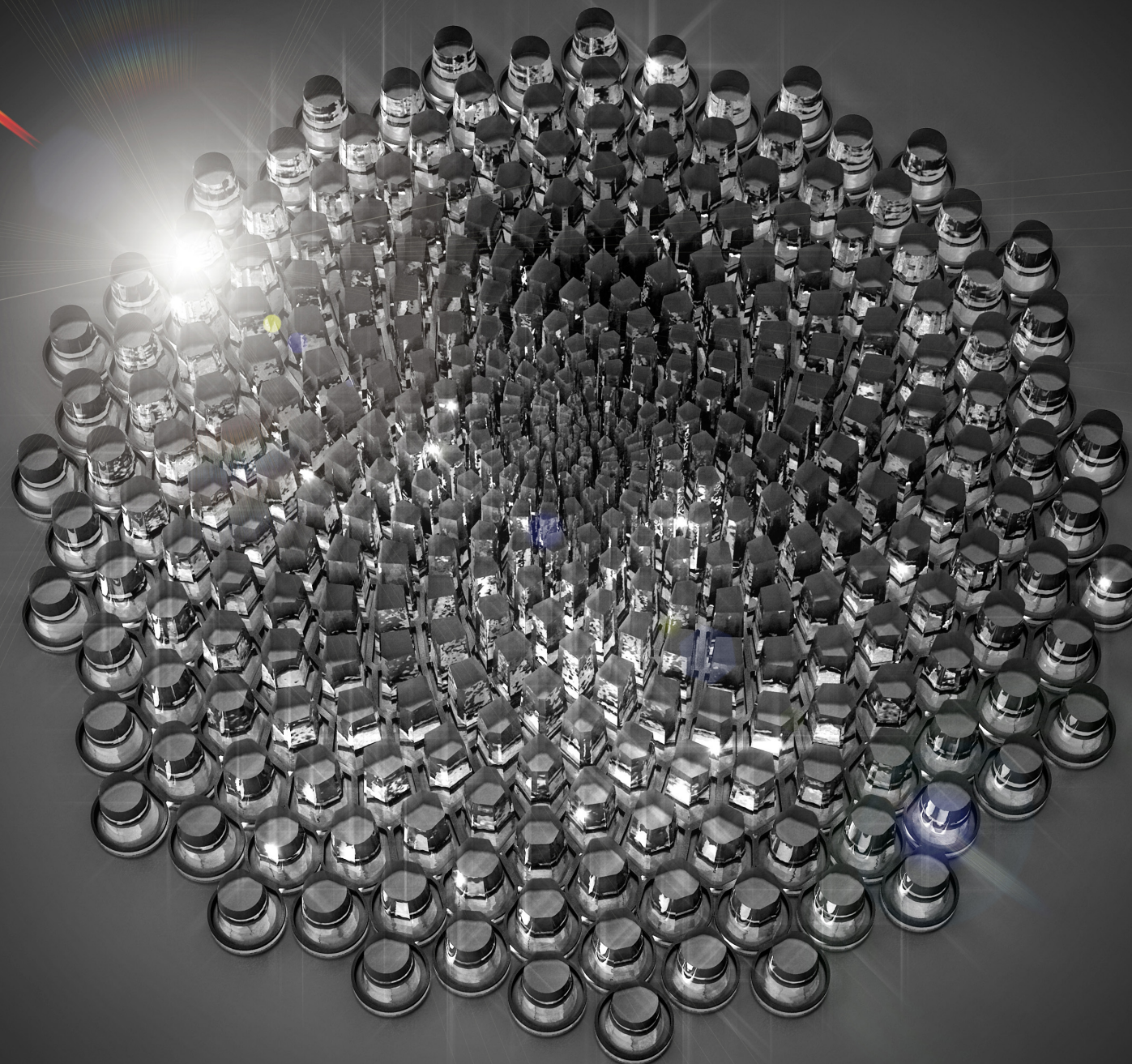
Filename	(none)
Show	<input checked="" type="checkbox"/>
Gray	<input checked="" type="checkbox"/>



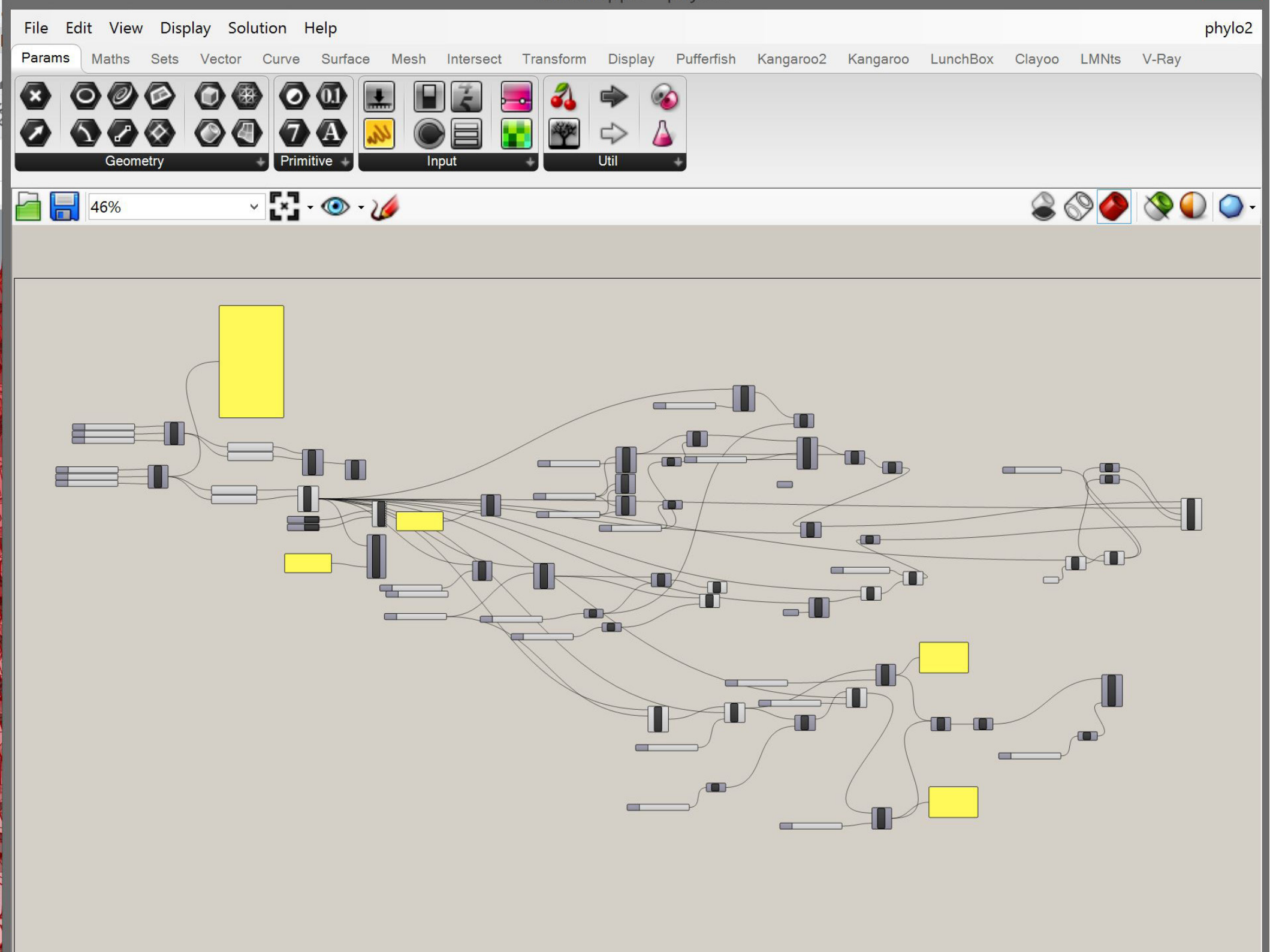
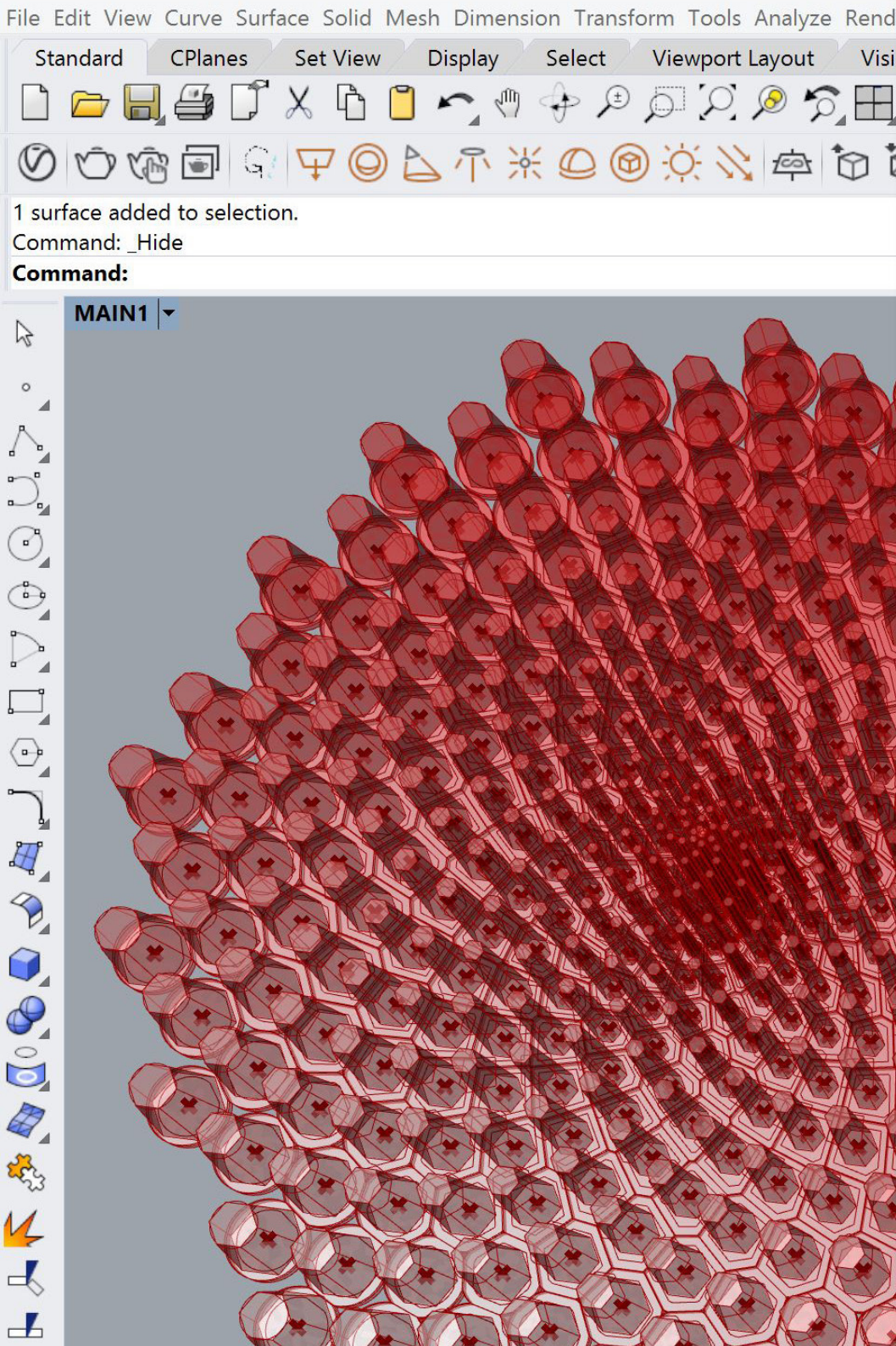
PHYLO

Swarovski

Wattens . Austria













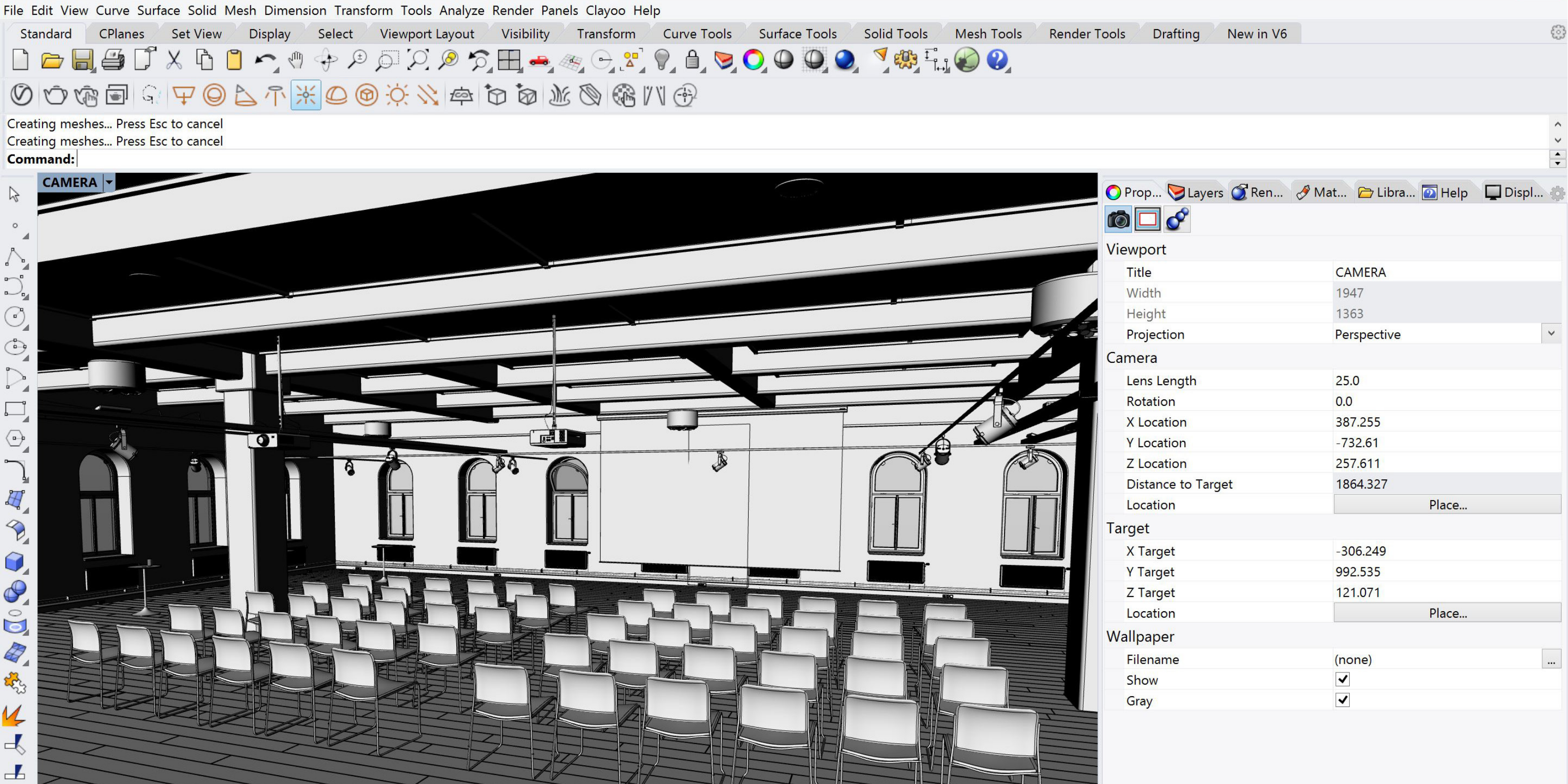
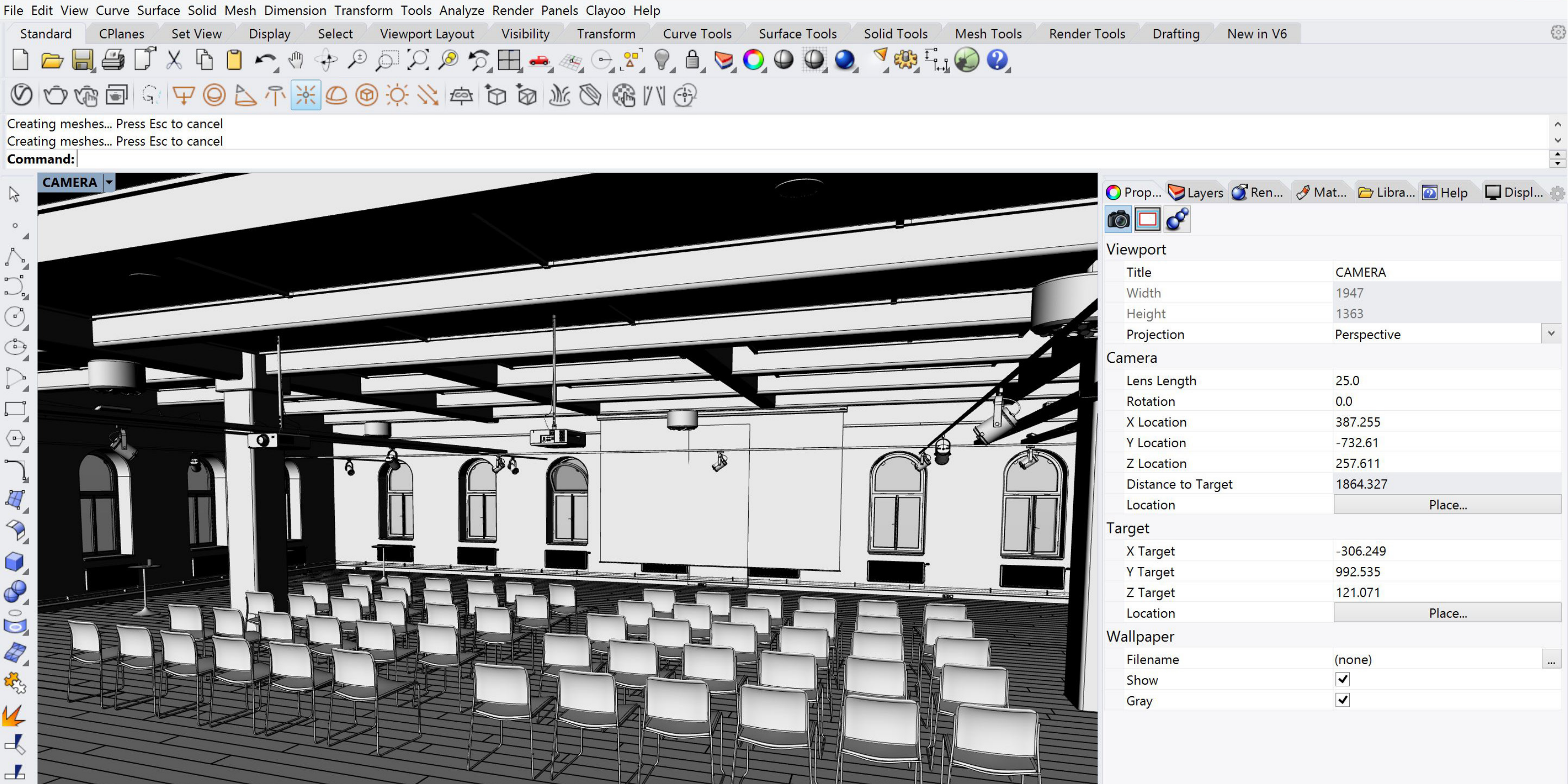
# Fotografiska

FH Campus Wien

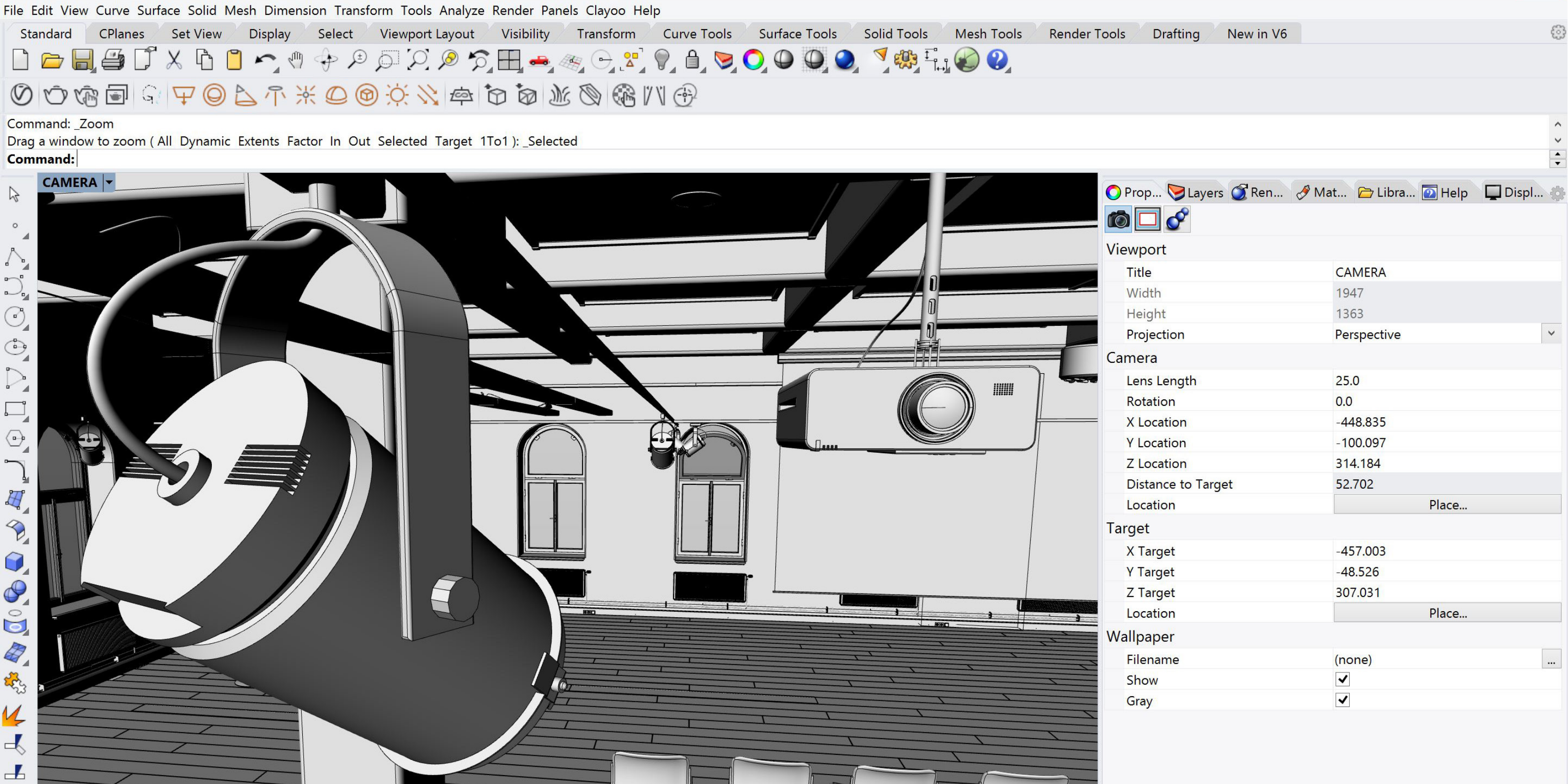
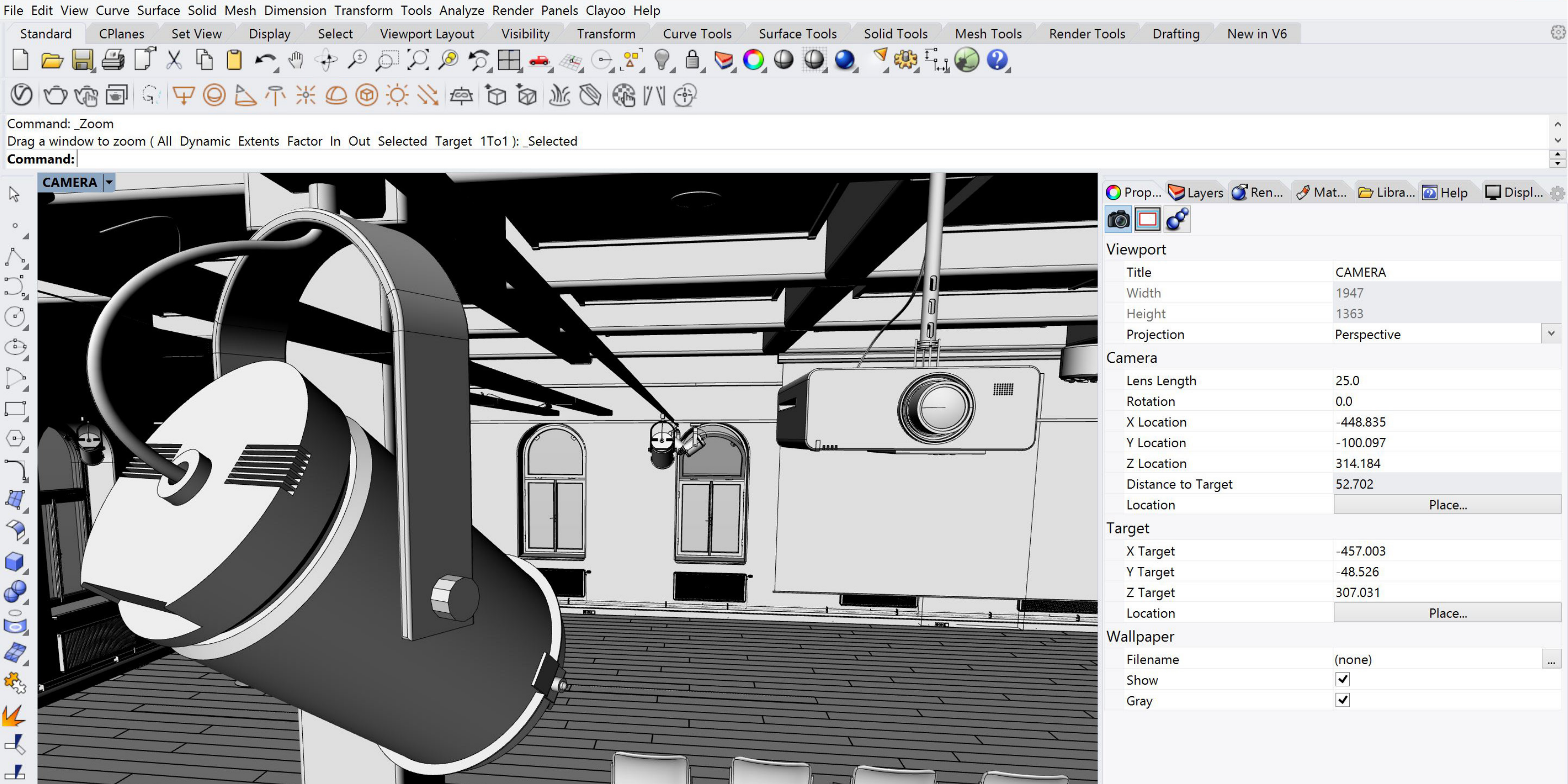
Wien, Austria













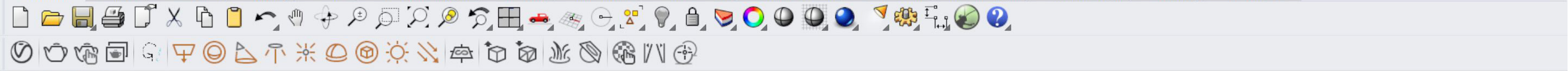
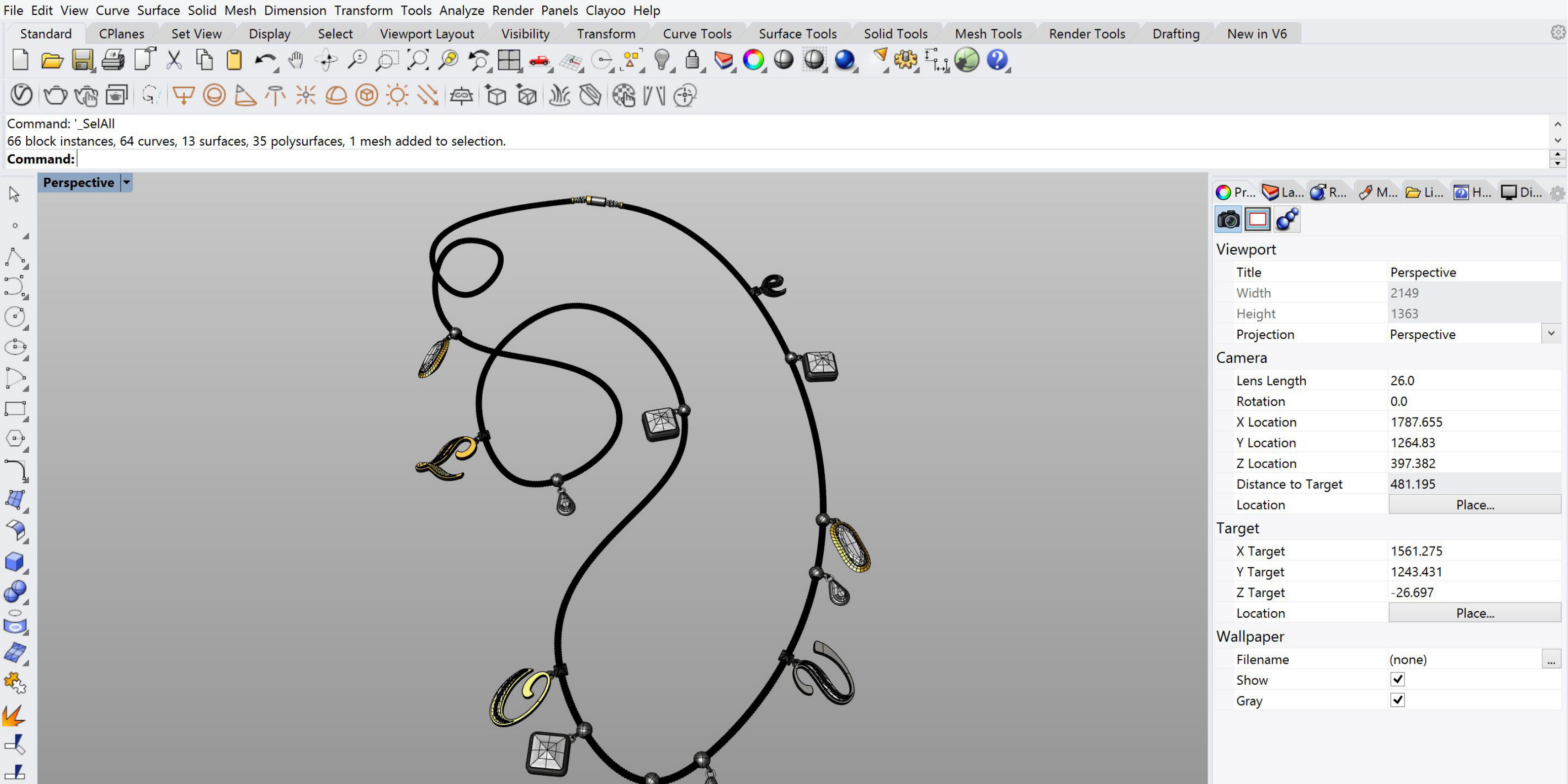
## Necklace

Magix - Lock

Graz . Austria



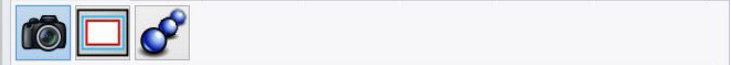
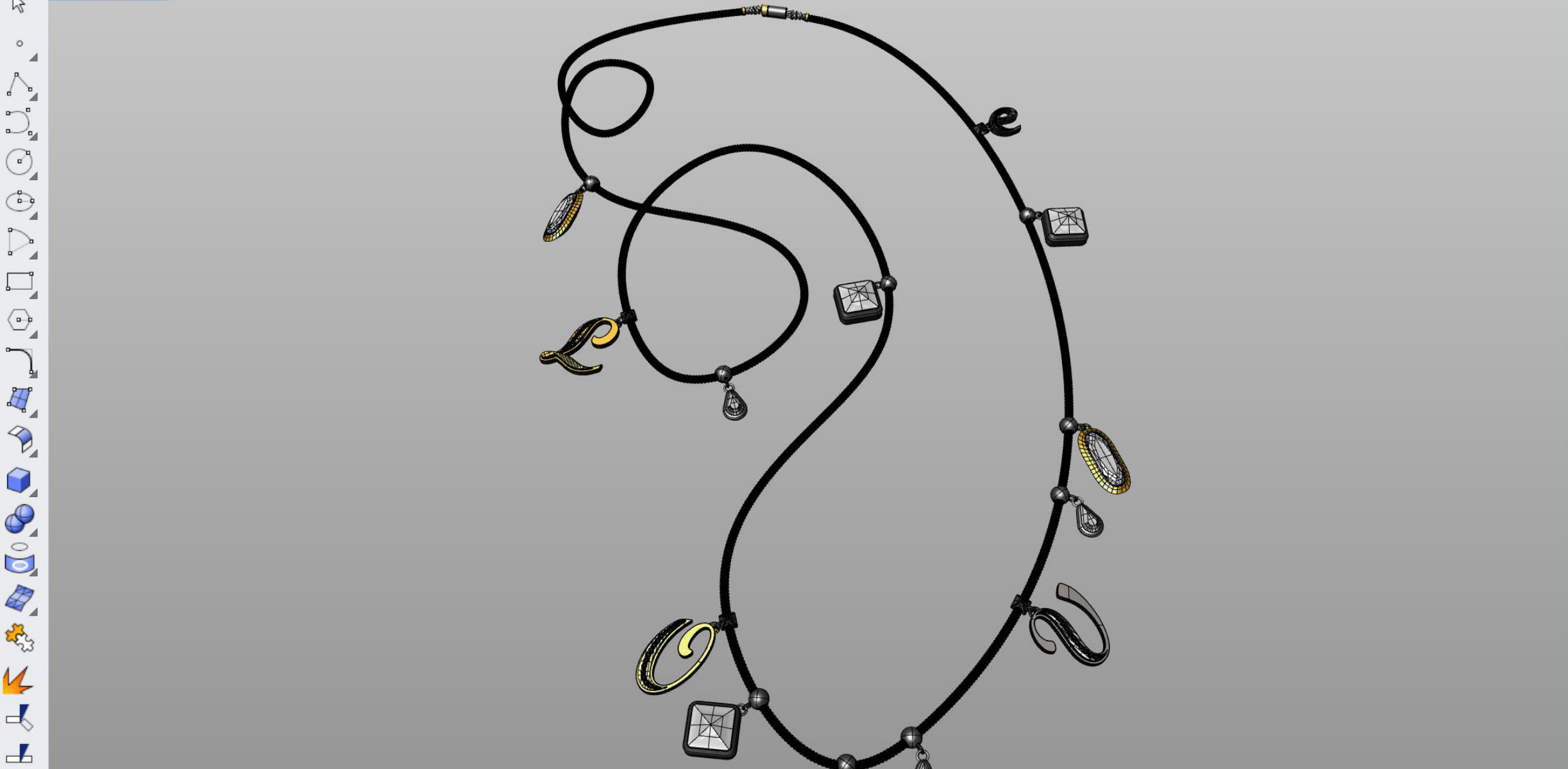




Command: '\_SelAll'  
66 block instances, 64 curves, 13 surfaces, 35 polysurfaces, 1 mesh added to selection.

Command:

Perspective



Viewport

Title	Perspective
Width	2149
Height	1363
Projection	Perspective

Camera

Lens Length	26.0
Rotation	0.0
X Location	1787.655
Y Location	1264.83
Z Location	397.382
Distance to Target	481.195
Location	Place...

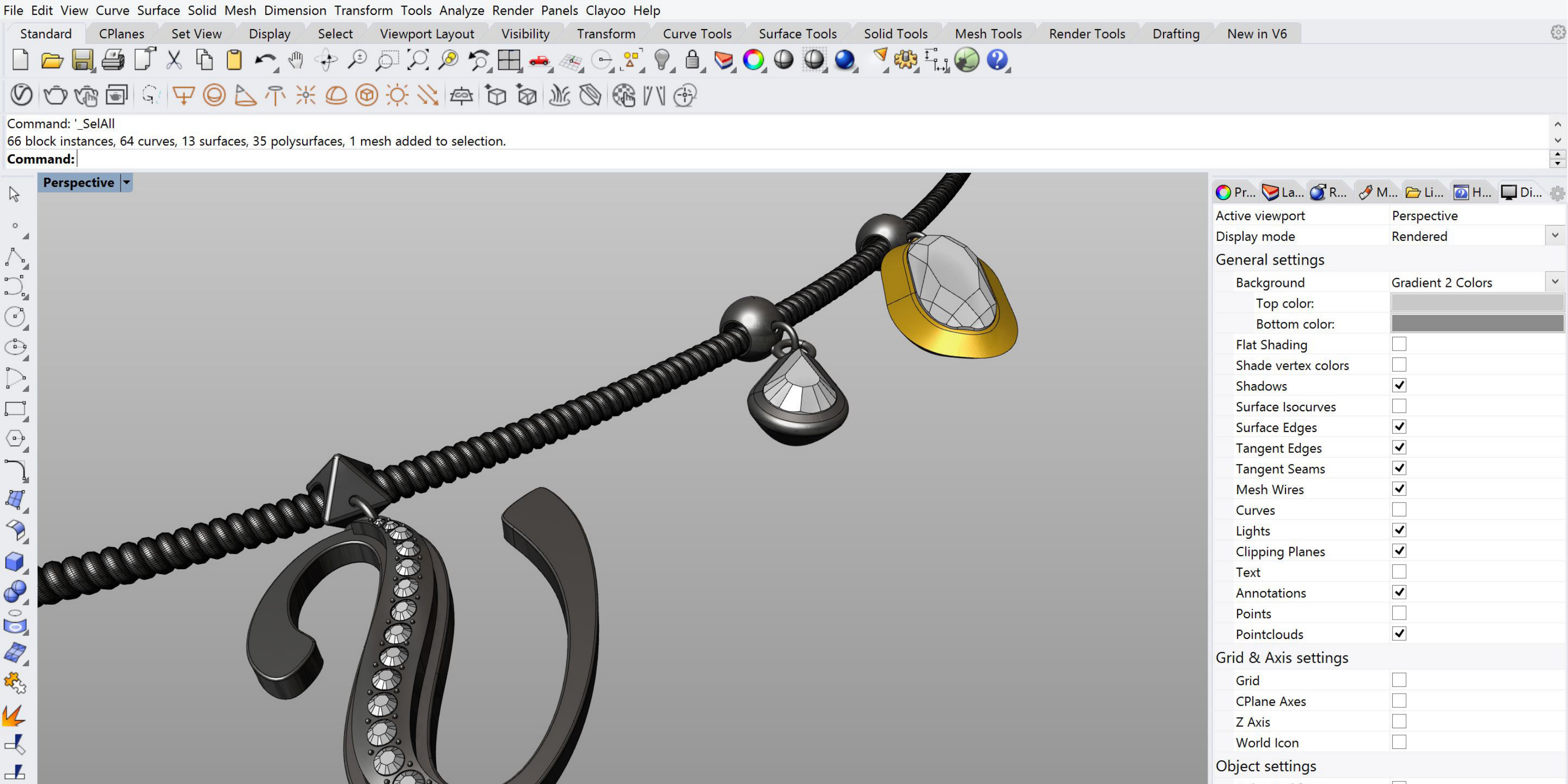
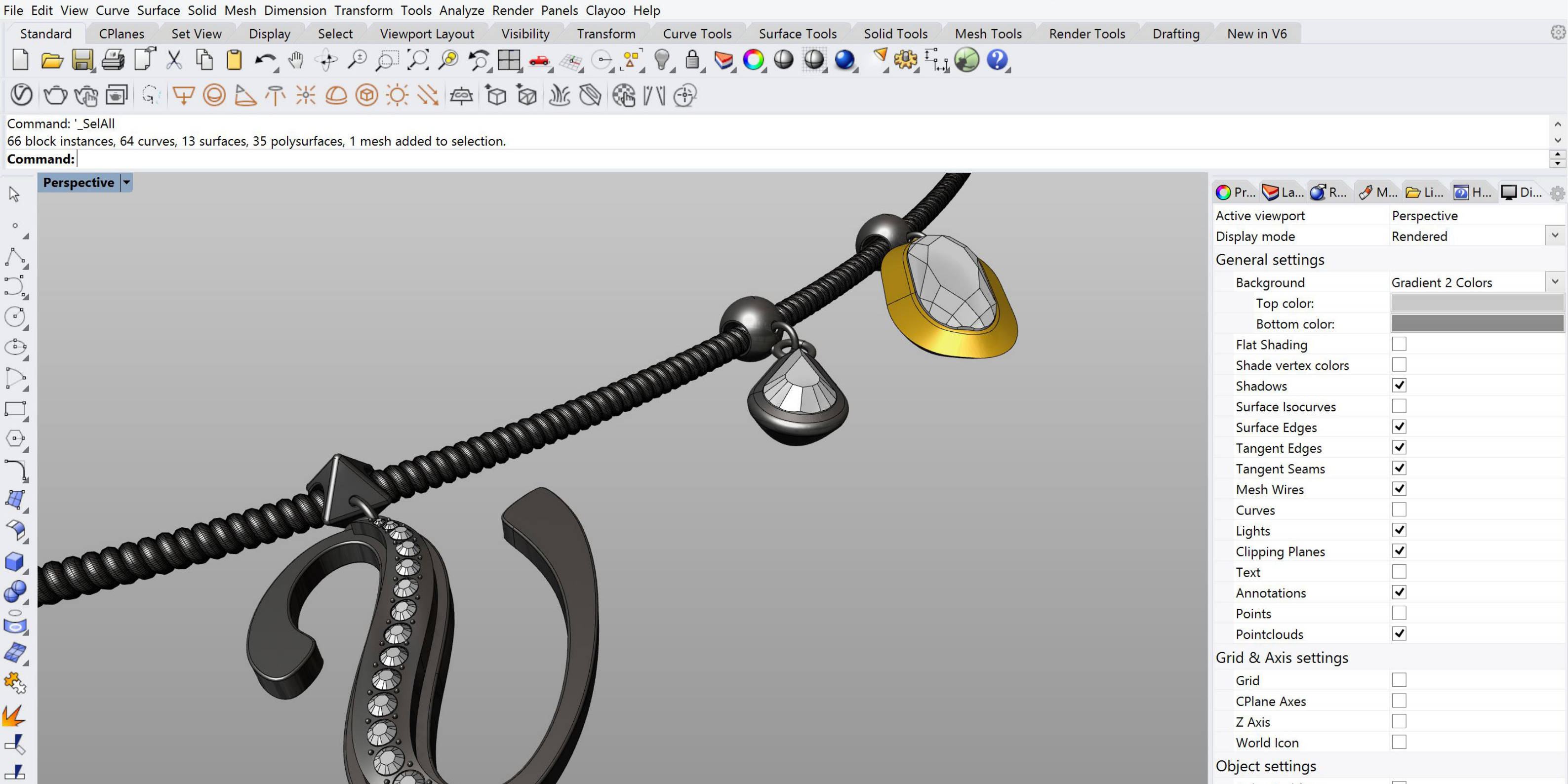
Target

X Target	1561.275
Y Target	1243.431
Z Target	-26.697
Location	Place...

Wallpaper

Filename	(none)
Show	<input checked="" type="checkbox"/>
Gray	<input checked="" type="checkbox"/>







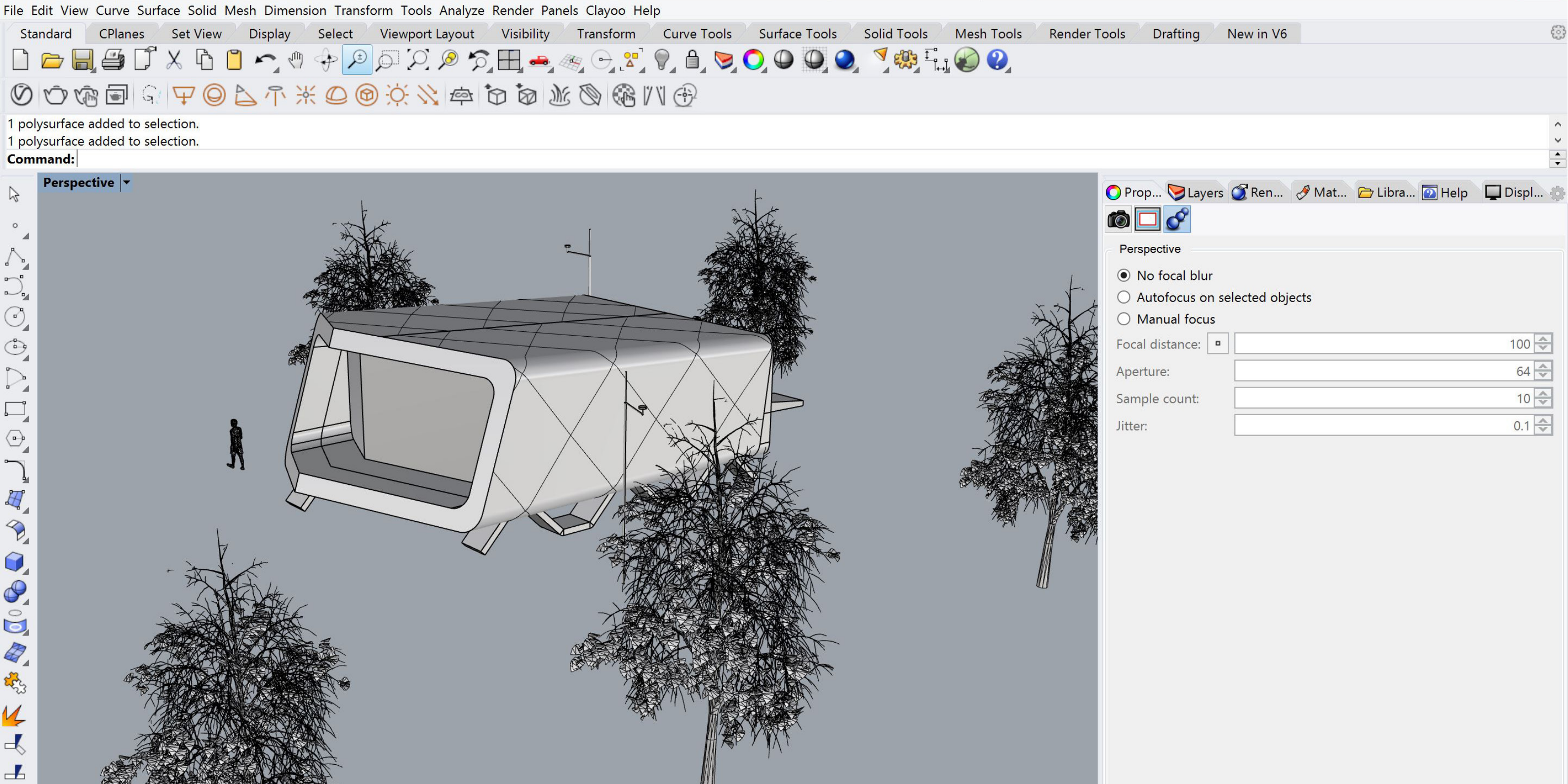
**Meteo**

UNStudio

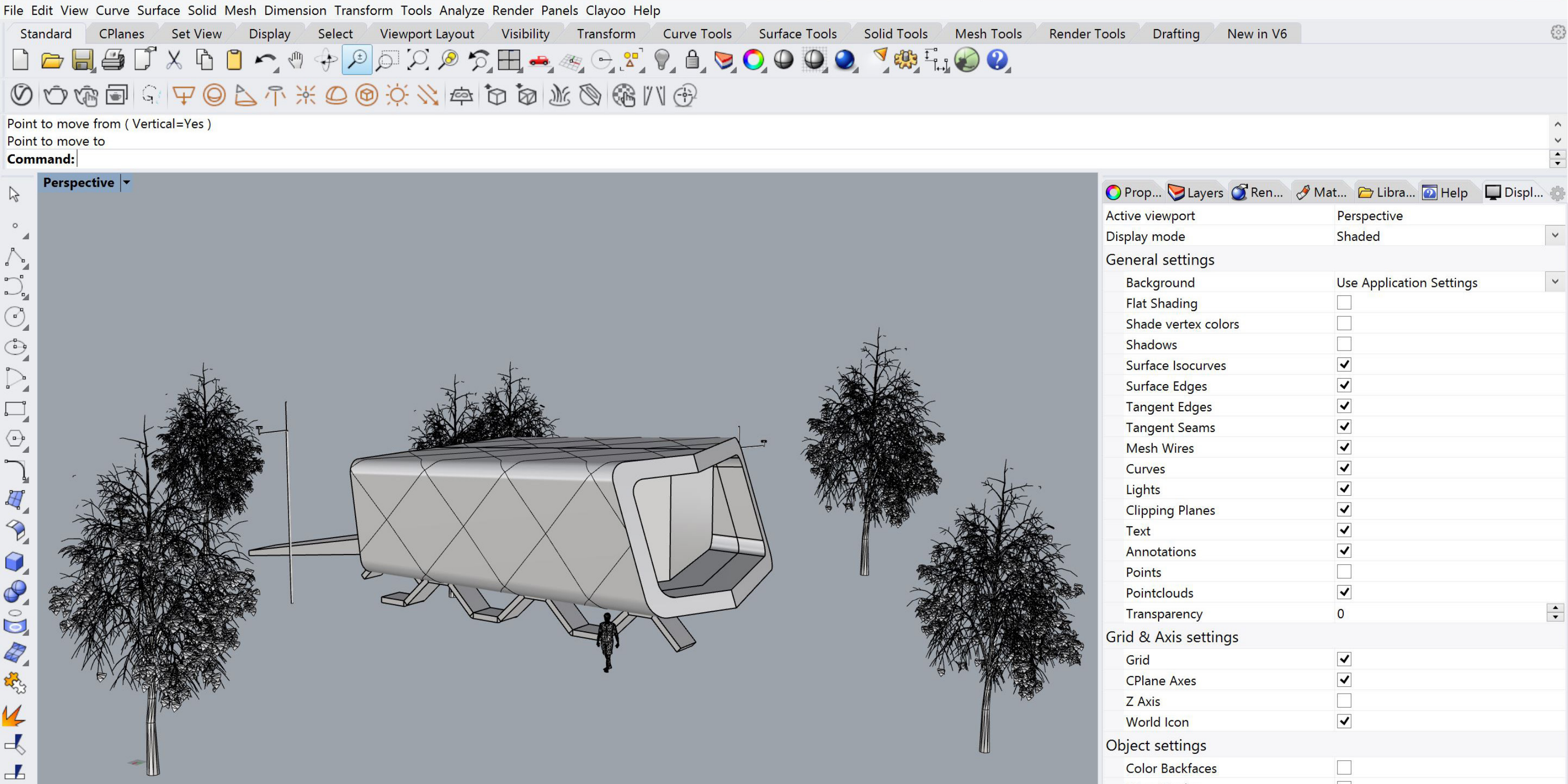
Kutaisi . Georgia













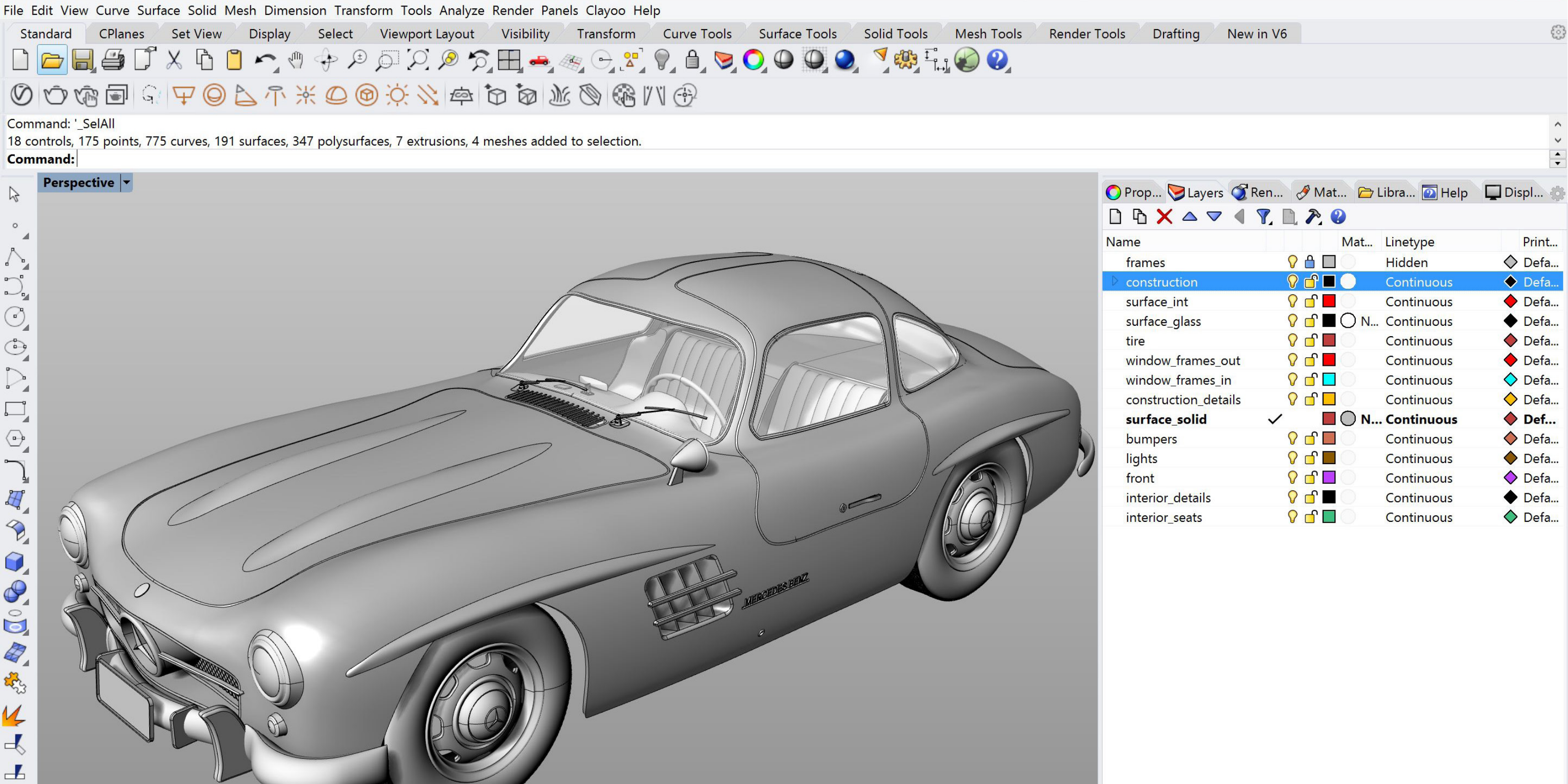
## Gullwing

FH Campus Wien

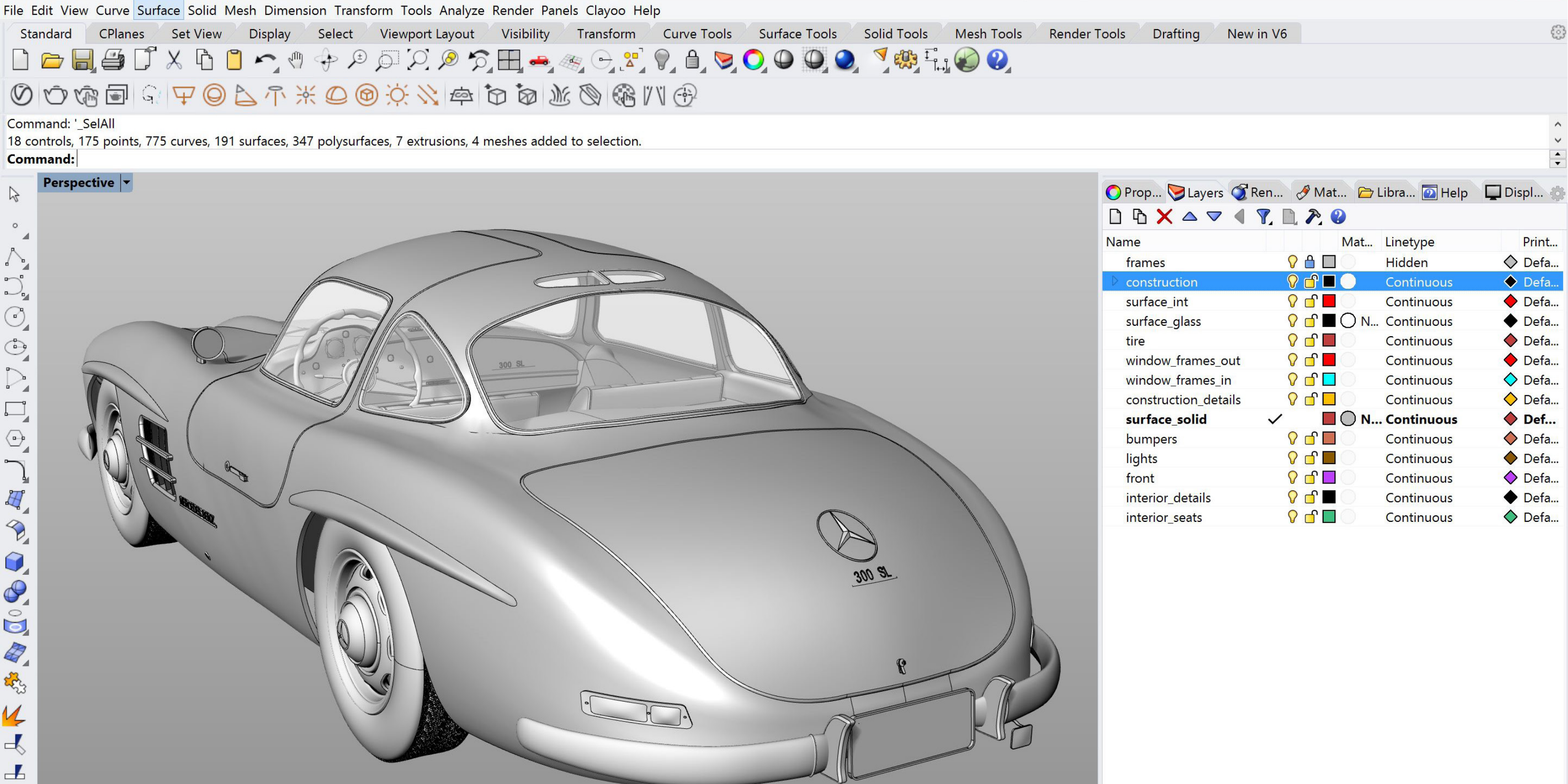
Wien . Austria







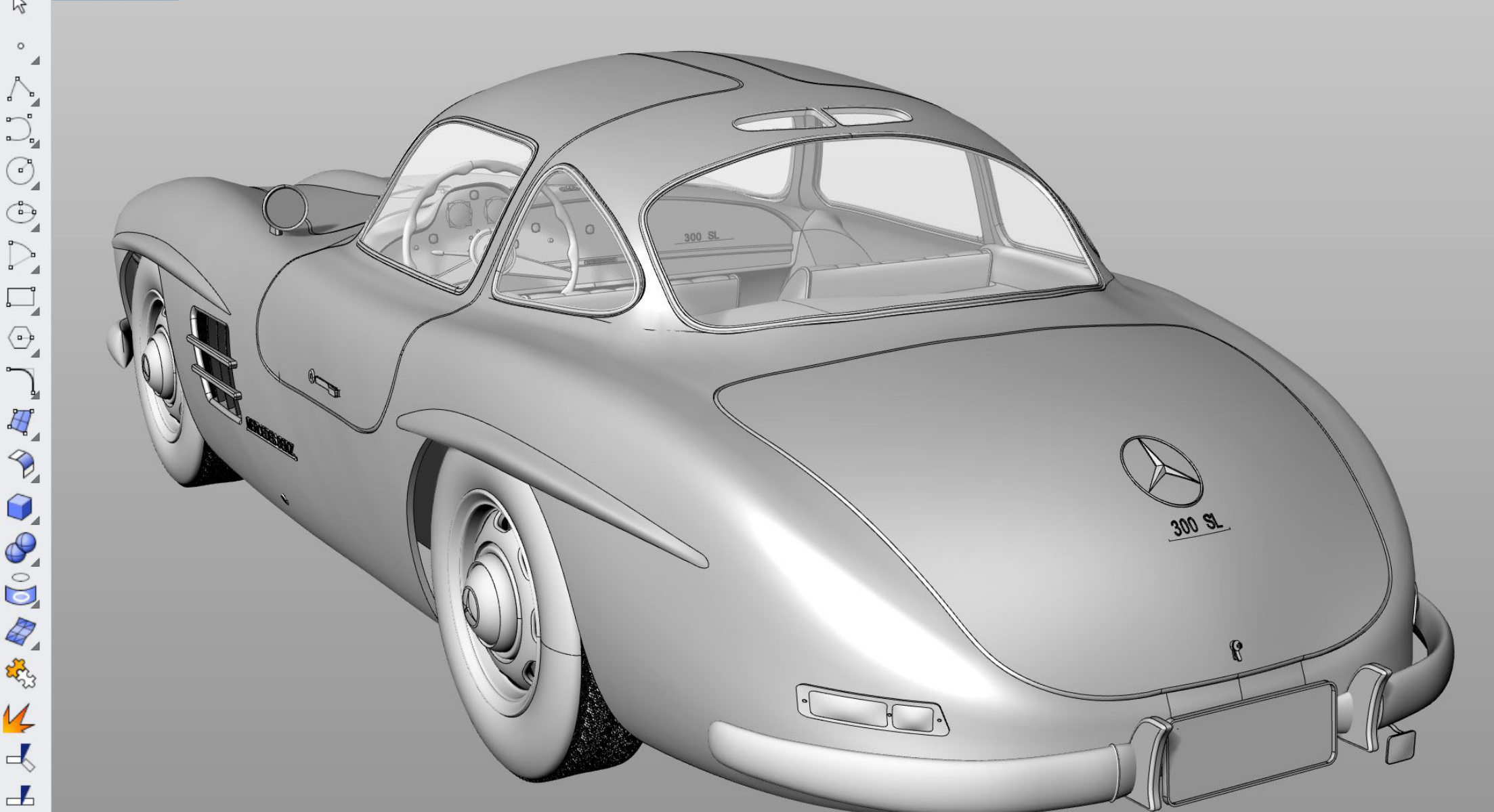




Command: '\_SelAll'  
18 controls, 175 points, 775 curves, 191 surfaces, 347 polysurfaces, 7 extrusions, 4 meshes added to selection.

Command:

Perspective



Name			Mat...	Linetype	Print...
frames				Hidden	Defa...
construction				Continuous	Defa...
surface_int				Continuous	Defa...
surface_glass			N...	Continuous	Defa...
tire				Continuous	Defa...
window_frames_out				Continuous	Defa...
window_frames_in				Continuous	Defa...
construction_details				Continuous	Defa...
surface_solid	✓		N...	Continuous	Def...
bumpers				Continuous	Defa...
lights				Continuous	Defa...
front				Continuous	Defa...
interior_details				Continuous	Defa...
interior_seats				Continuous	Defa...



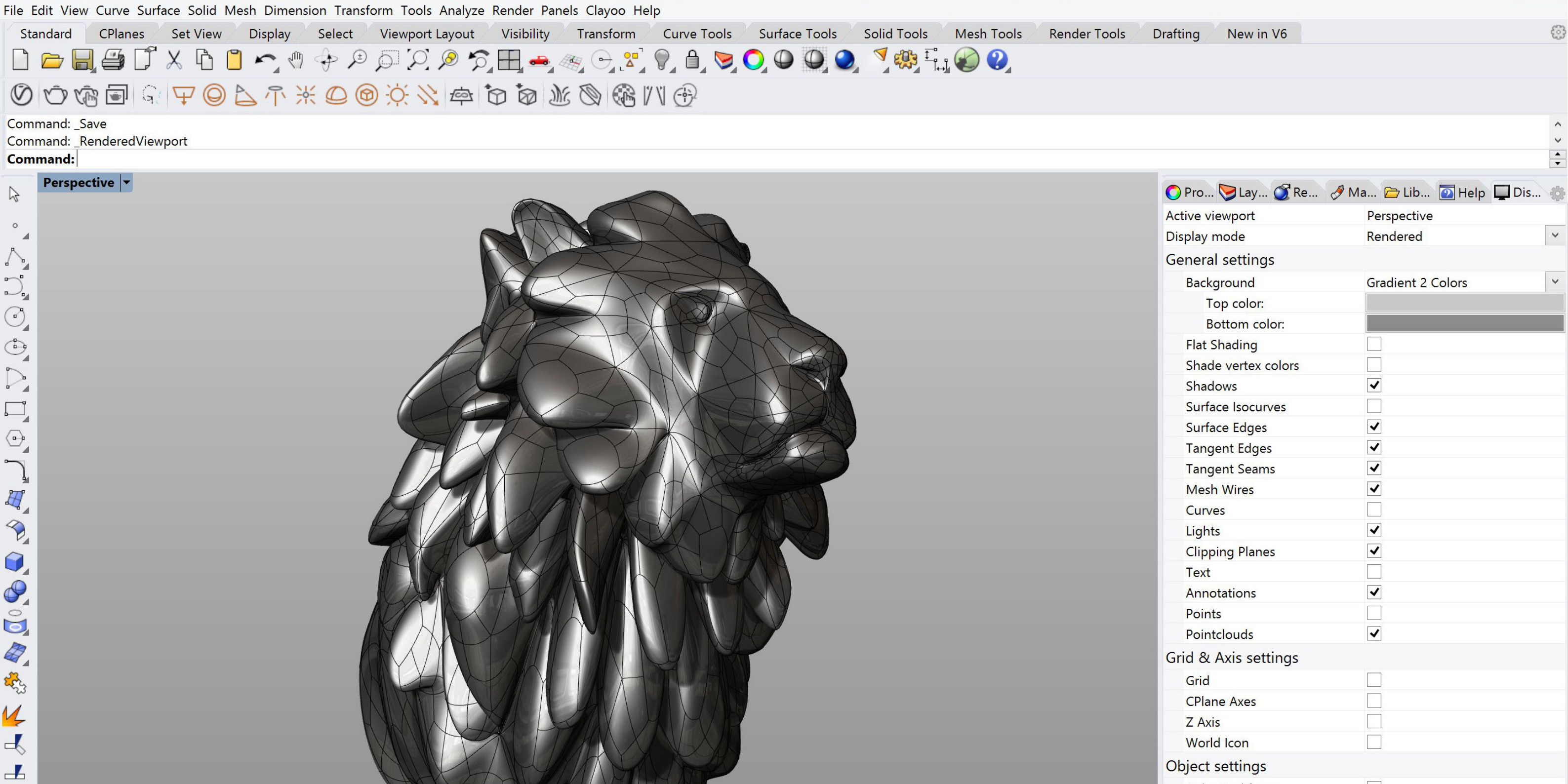
Lion

N/A

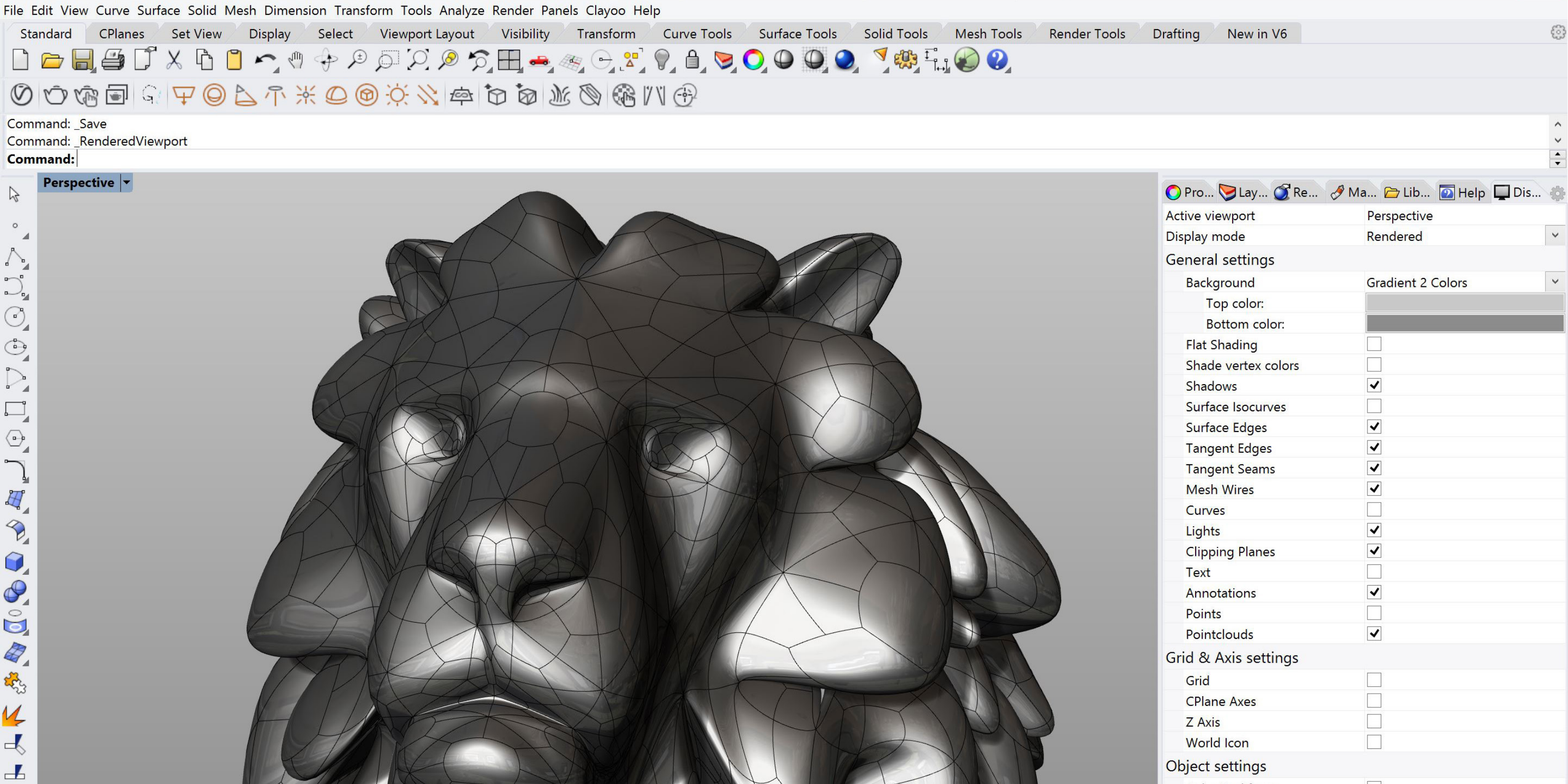
N/A









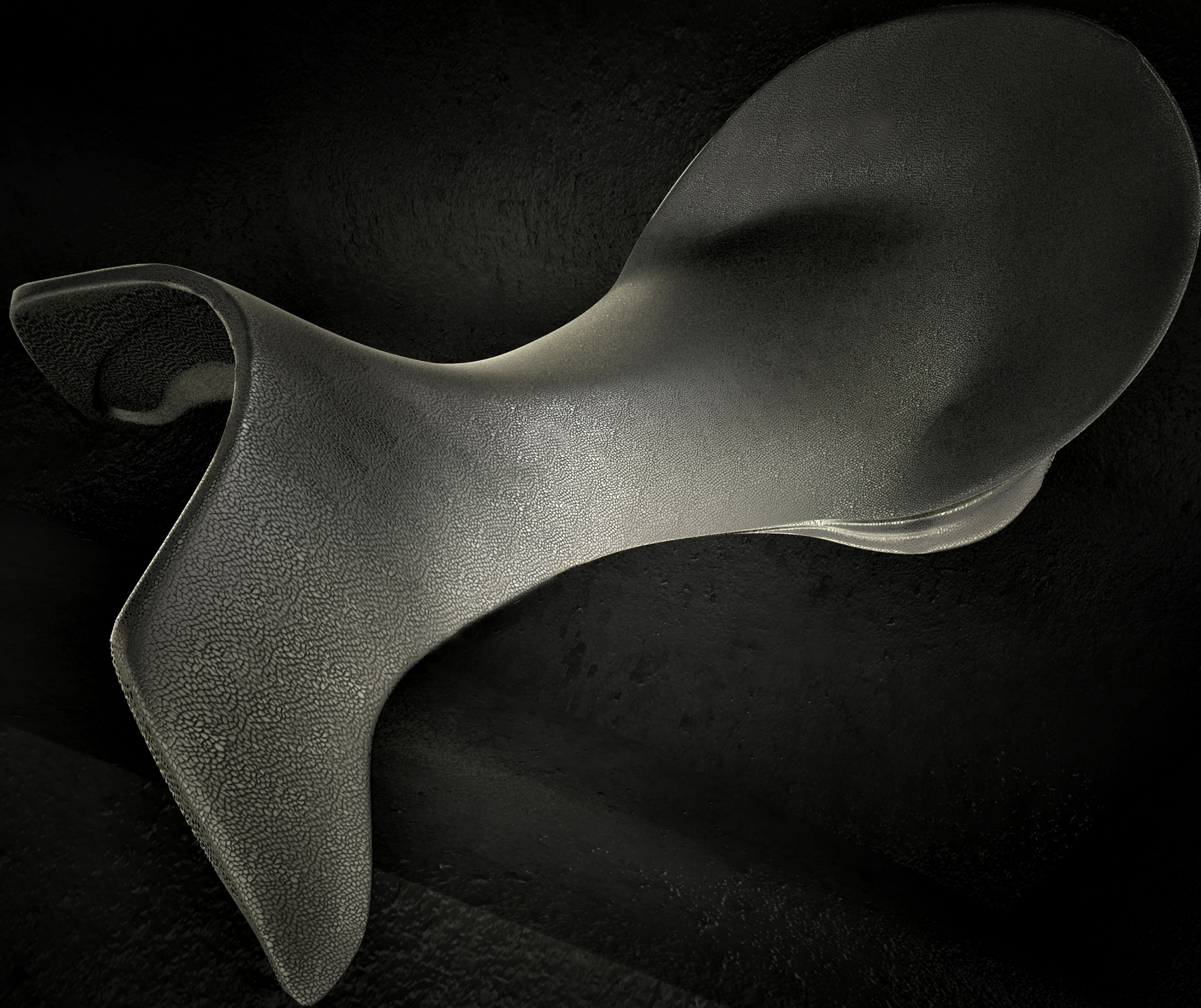




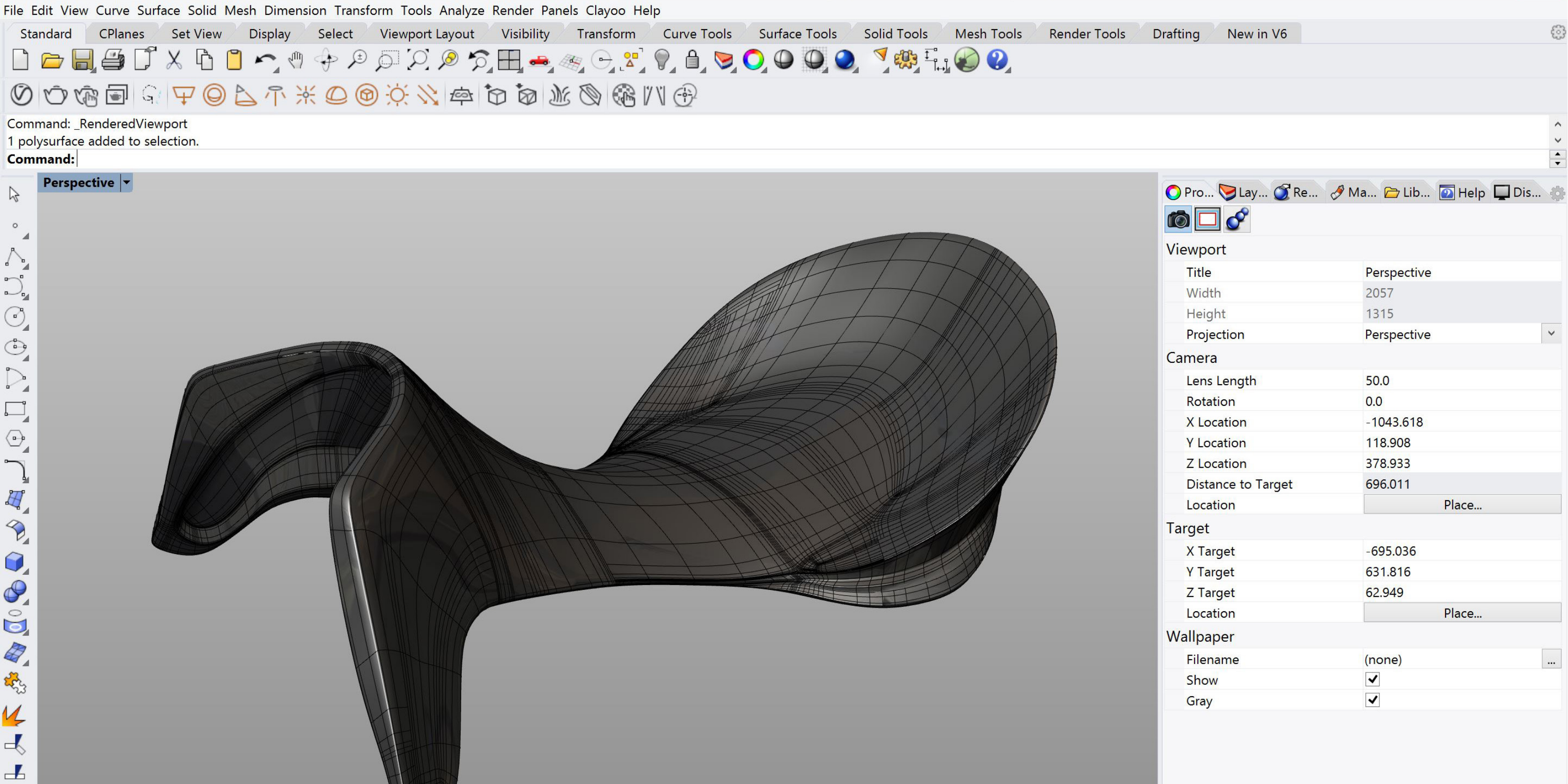
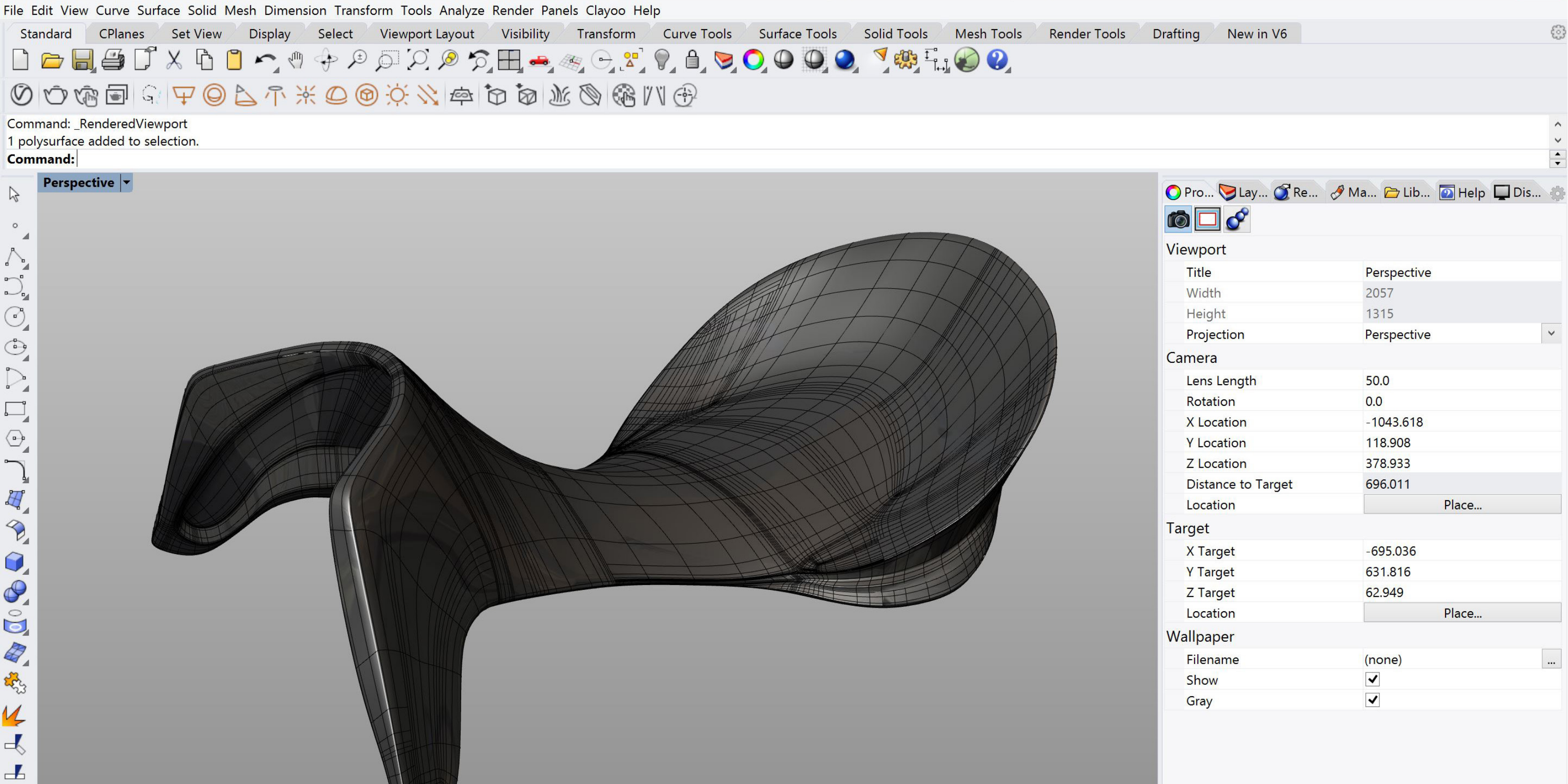
**Varo**

Niedersüß

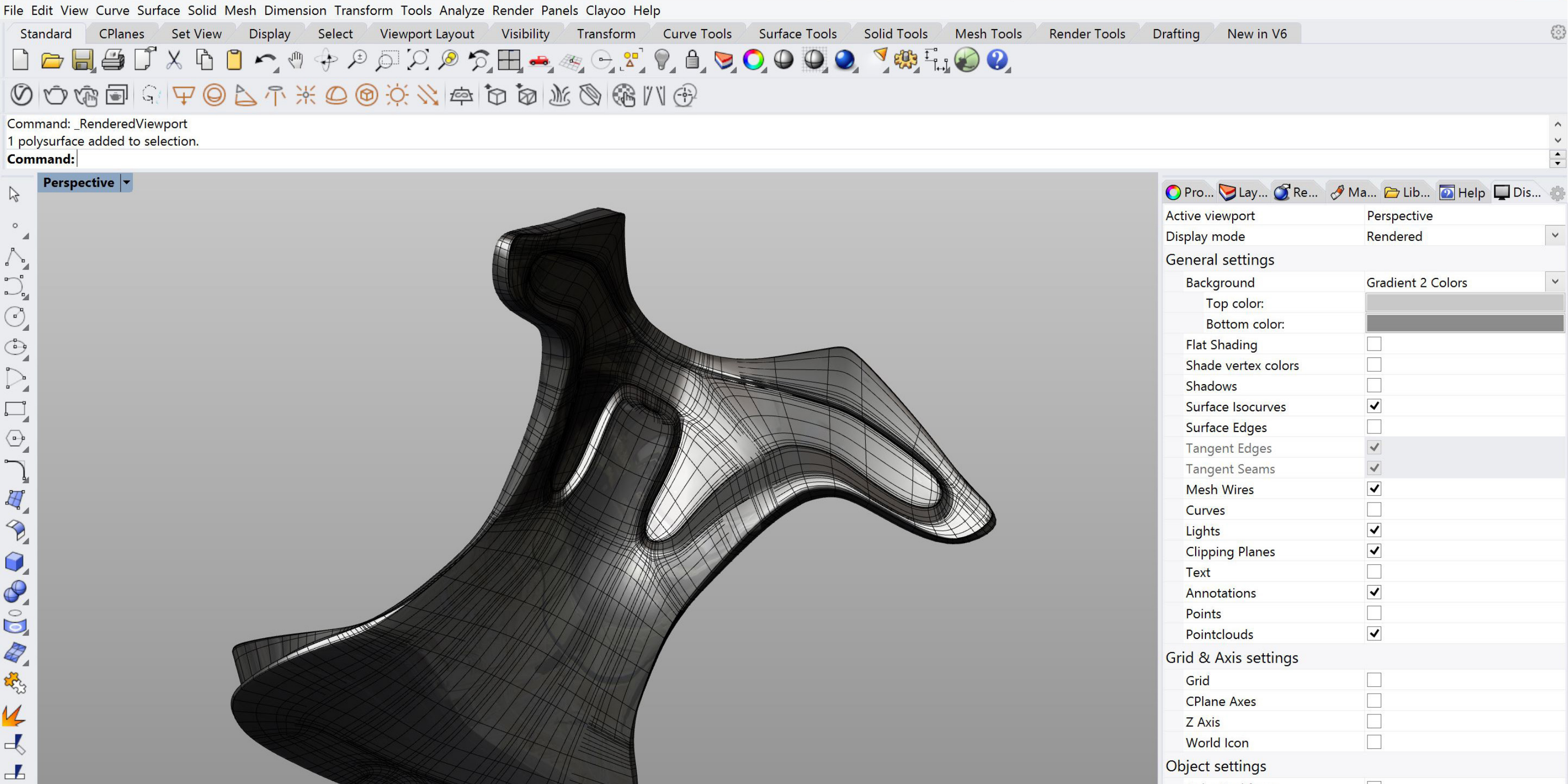
Rohrbach · Austria













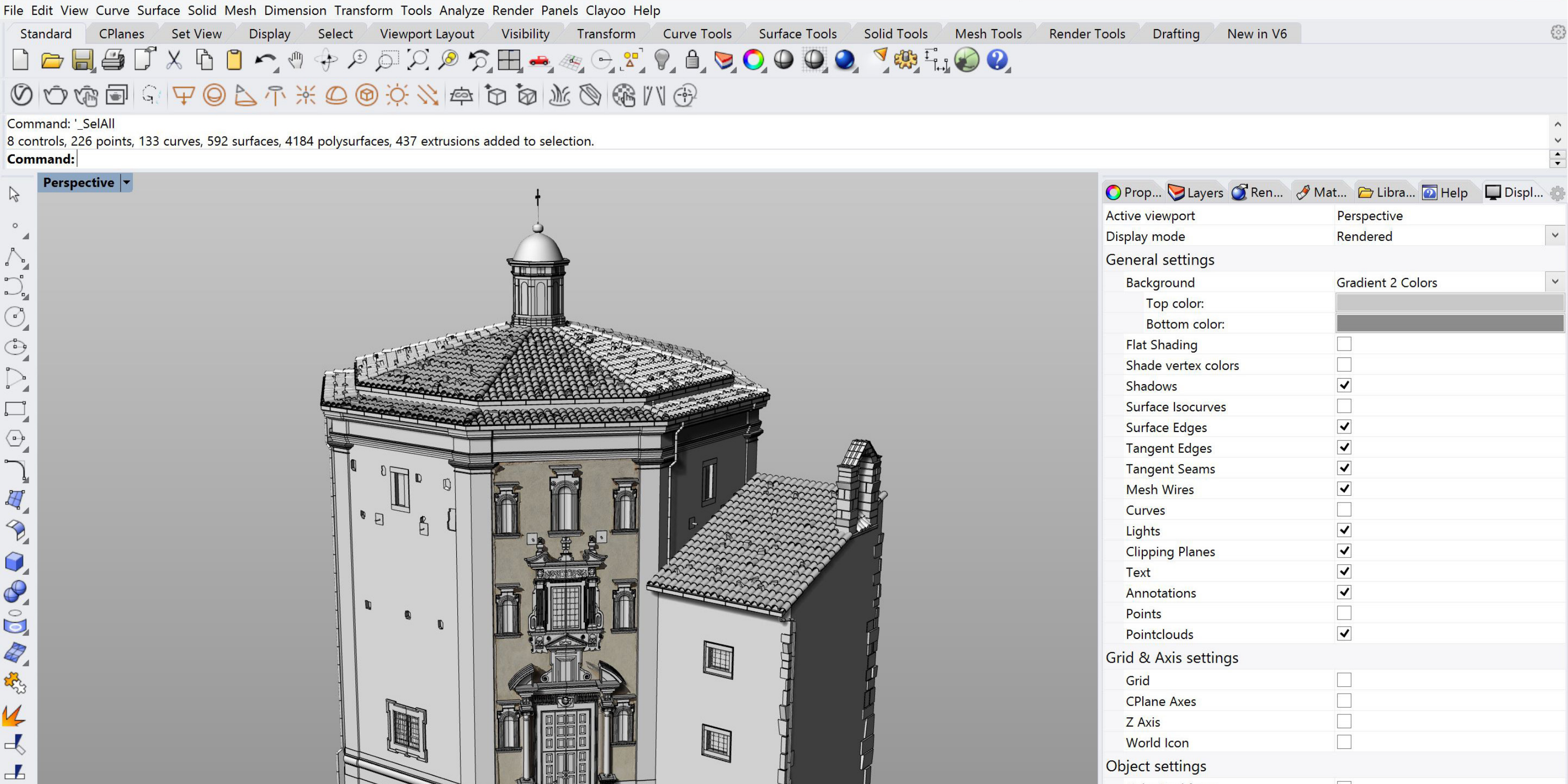
## Santa Maria della Pietà

FH Campus Wien

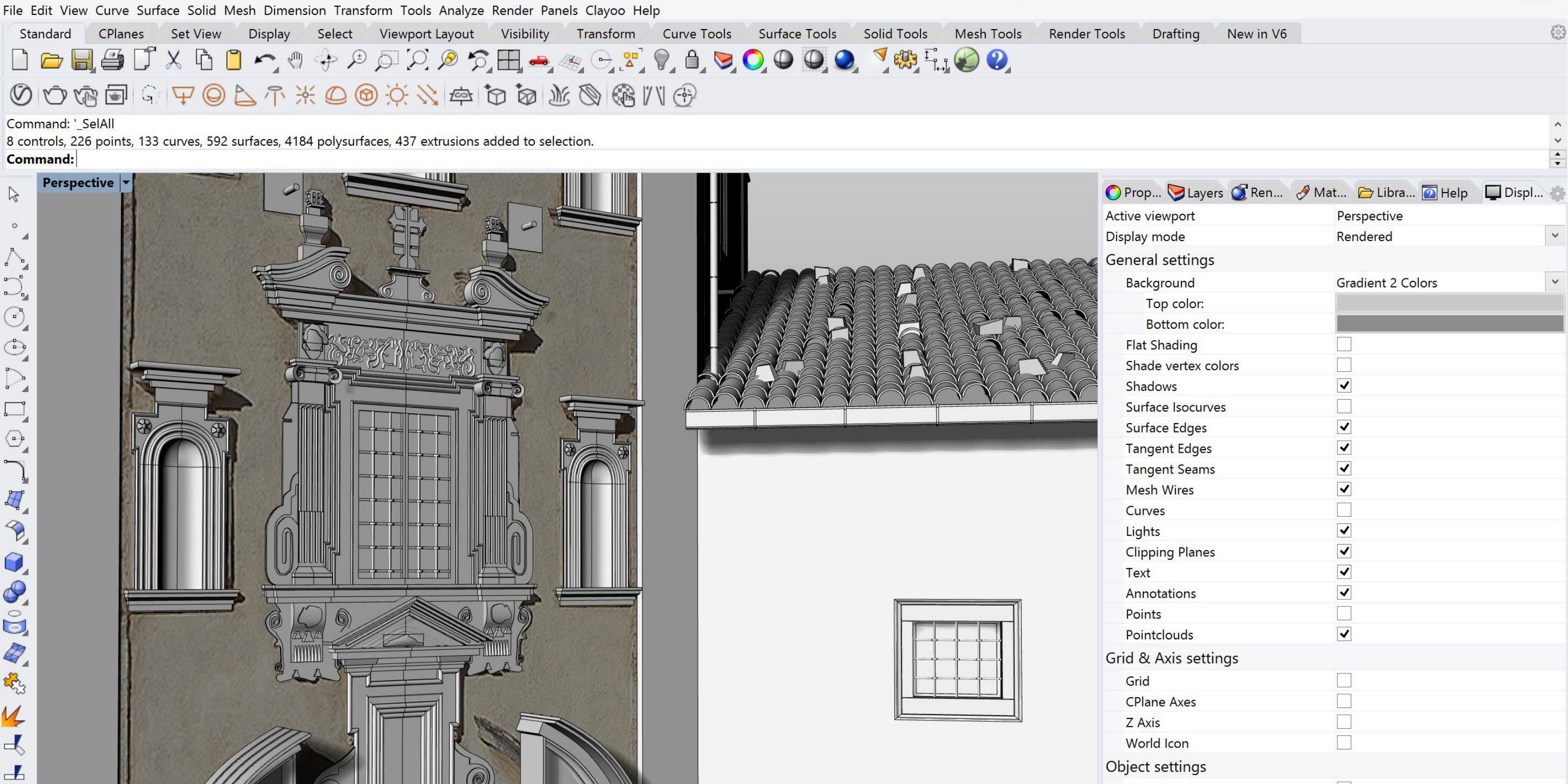
Abruzzi · Italy













## Moebius

Chaos Group

Sofia . Bulgaria





File Edit View Curve Surface Solid Mesh Dimension Transform Tools Analyze Render Panels Paneling Tools JDS V-Ray I-Splines Help

Loading Rhino Render, version 1.50, Aug 10 2015, 15:15:17

File "E:\VRAY\_CHAOSGROUP\_GRASSHOPPER\VRAY\_GRASSHOPPER\_JEWELRY\_MOEBIUS.3dm" successfully read

Command: Grasshopper

Command: \_vrayShowAssetEditor

Command: \_Save

File successfully written as E:\VRAY\_CHAOSGROUP\_GRASSHOPPER\VRAY\_GRASSHOPPER\_JEWELRY\_MOEBIUS.3dm

Command: \_vrayShowAssetEditor

Command:

Standard CPlanes Set View Display Select Viewport Layout Visibility Transform Curve Tools Surface Tools Solid Tools Mesh Tools Render Tools Drafting New in V5

Grasshopper - grasshopper\_jewelry\_moebius\*

File Edit View Display Solution Help

Prm Math Set Vec Crv Srf Msh Int Trms Dis TSplines Wb Pufferfish Util Millipede PanelingTools Kangaroo2 ShapeDiver SPM Kangaroo LunchBox ASTools StarF Anemone Extra ND V-Ray LMNts SI

Geometry Lighting Materials Render

100%

Perspective

V-Ray frame buffer - [100% of 960 x 540]

RGB color

V-Ray

On Position Color Intensity Invisible Radius

Light Sphere • Light

Slider 10

Toggle True

Radius 15

Light On Visible Texture Intensity Rotation Bg Intensity Add Lights

Rig Dome • Light Rig

Toggle False

Intensity 10

Geo CRYSTALS

Mtl Name /Glass\_Tinted\_Orange

Geo VGeo • V Geo

Geo STRUCTURE

Mtl Name /Copper\_Blurry

Geo VGeo • V Geo

Geo STUDIO

Mtl Name /Plastic\_Metalic\_Black

Geo VGeo • V Geo

Engine CPU Mode Interactive Sampler Proressive Quality Medium Save File

Render • Scene

Engine Mode Sampler Quality Out Img Output Res Camera Light Rig V Geo

Initialized



Loading Rhino Render, version 1.50, Aug 10 2015, 15:15:17

File "E:\VRAY\_CHAOSGROUP\_GRASSHOPPER\VRAY\_GRASSHOPPER\_JEWELRY\_MOEBIUS.3dm" successfully read

Command: Grasshopper

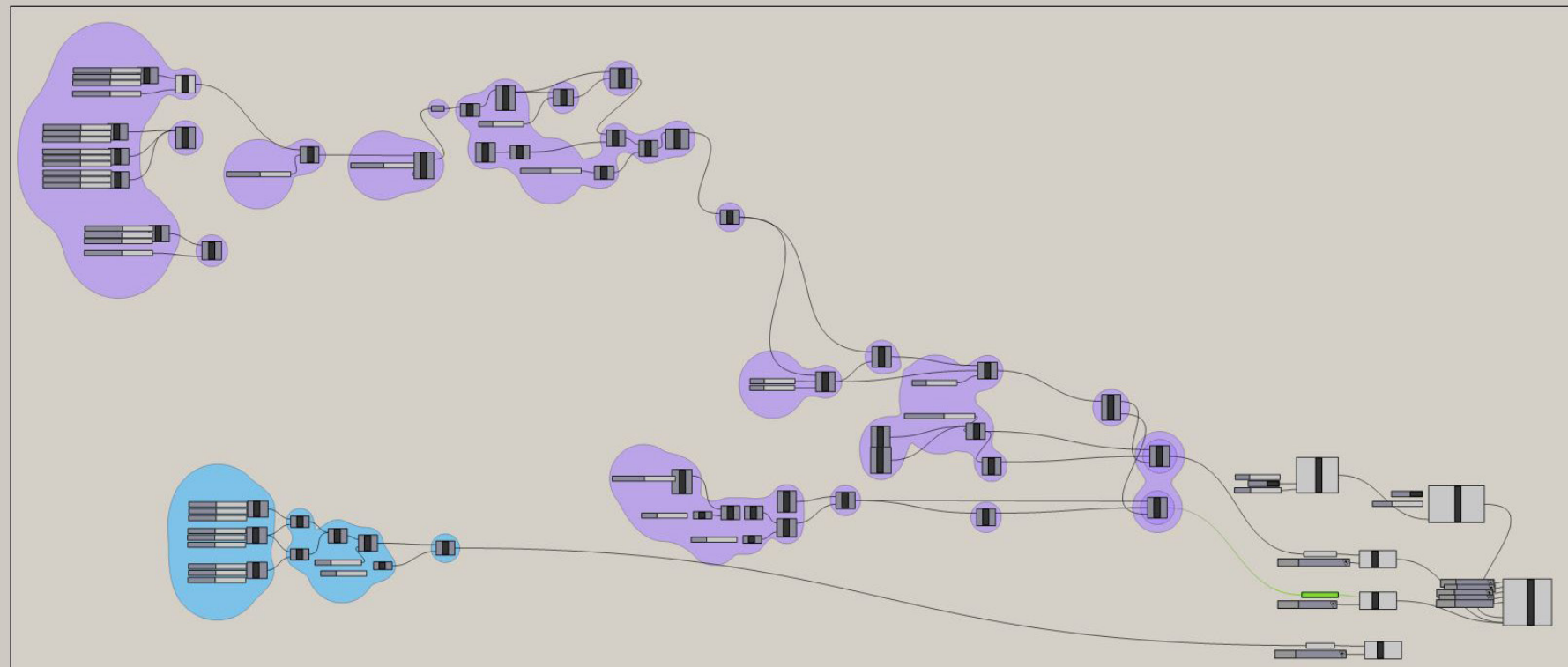
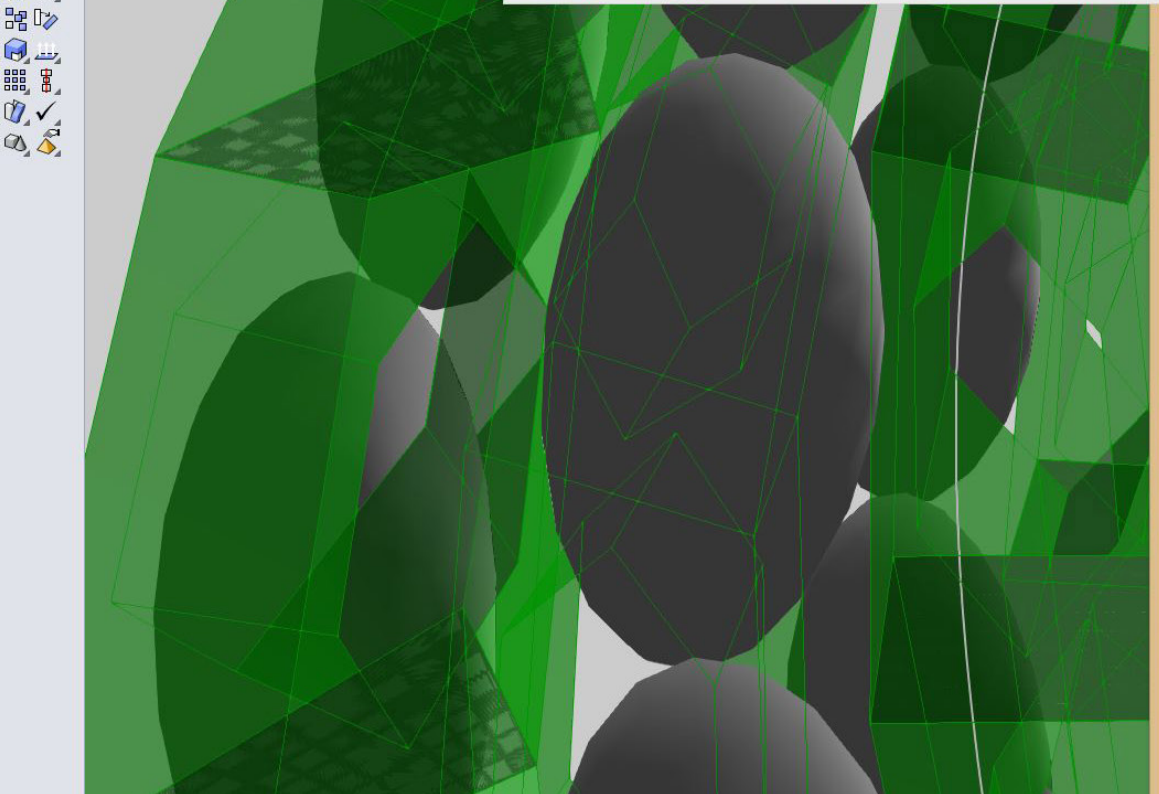
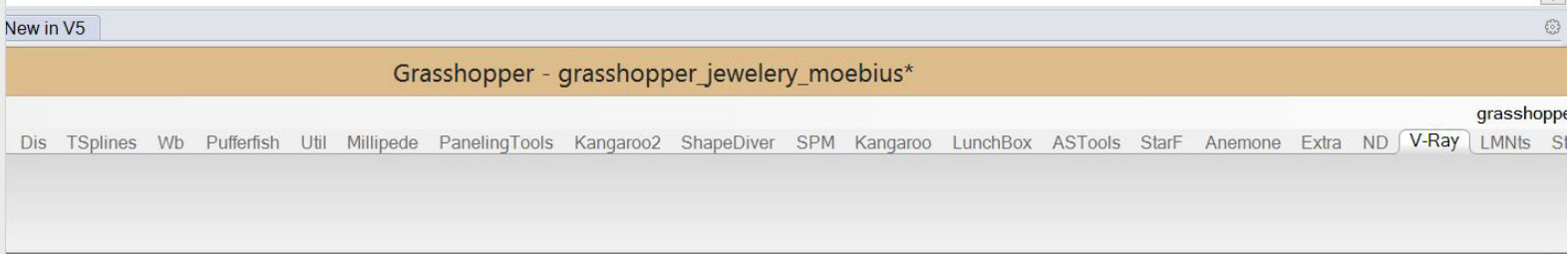
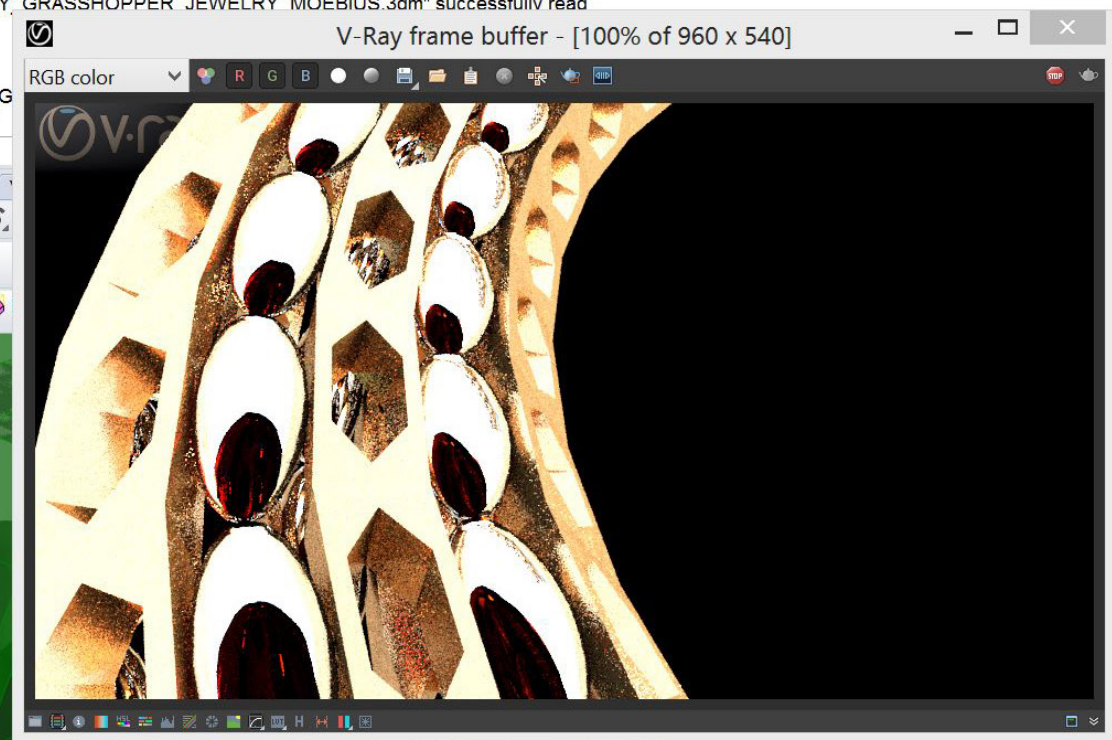
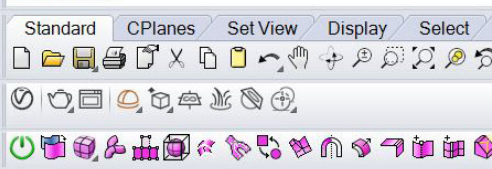
Command: \_vrayShowAssetEditor

Command: \_Save

File successfully written as E:\VRAY\_CHAOSGROUP\_G

Command: \_vrayShowAssetEditor

Command:





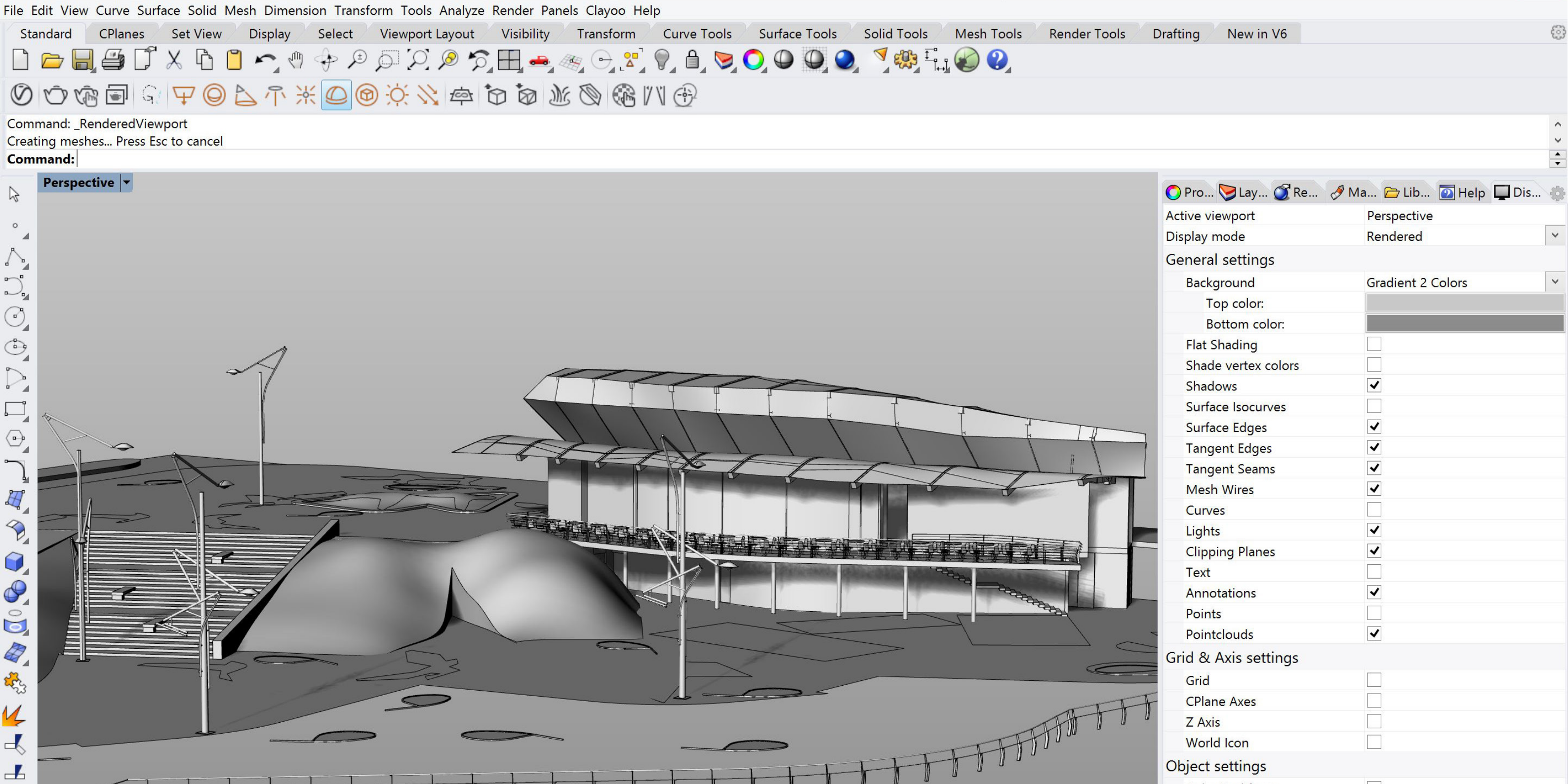
# Hafencity

Miralles Tagliabue

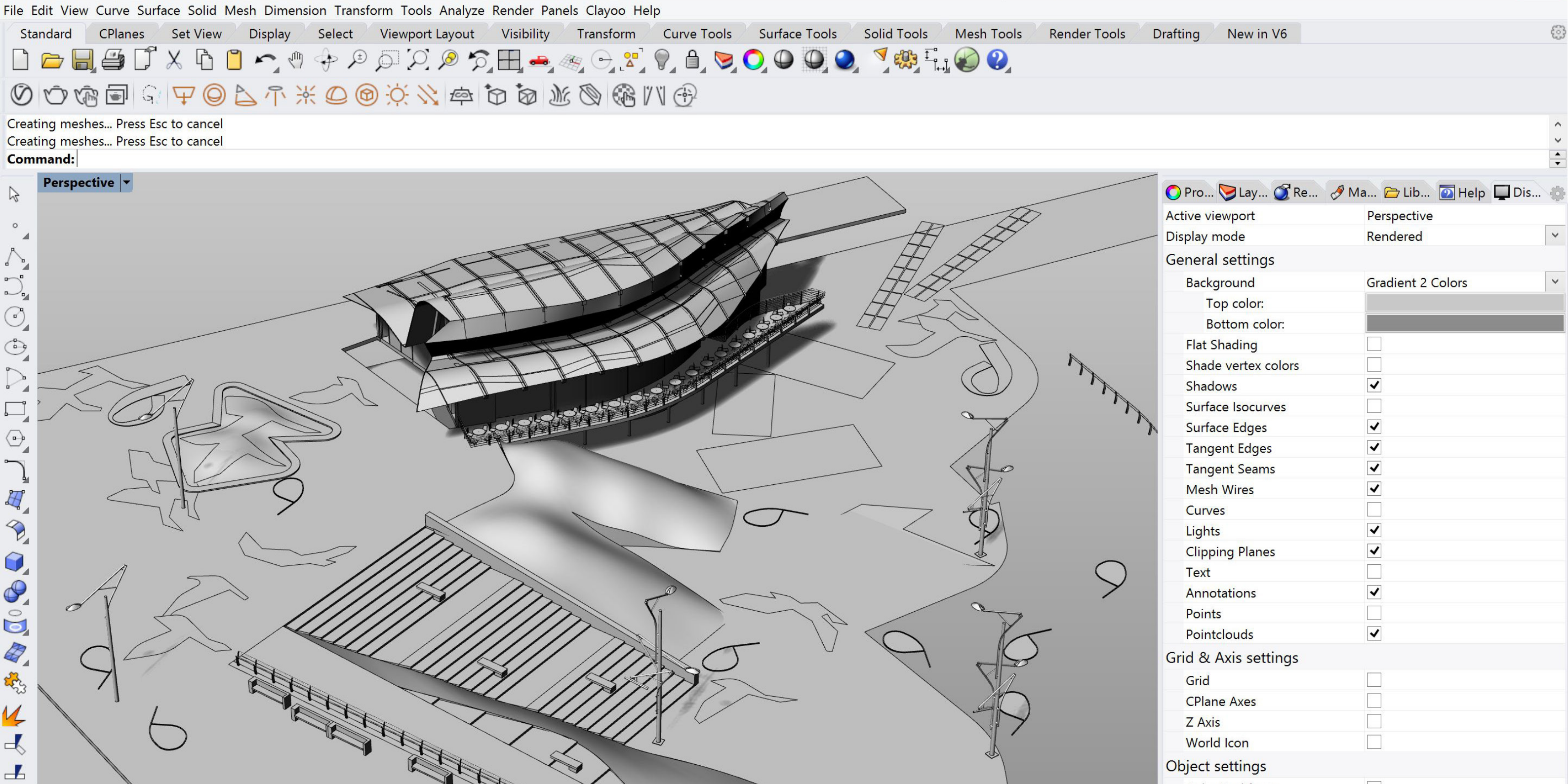
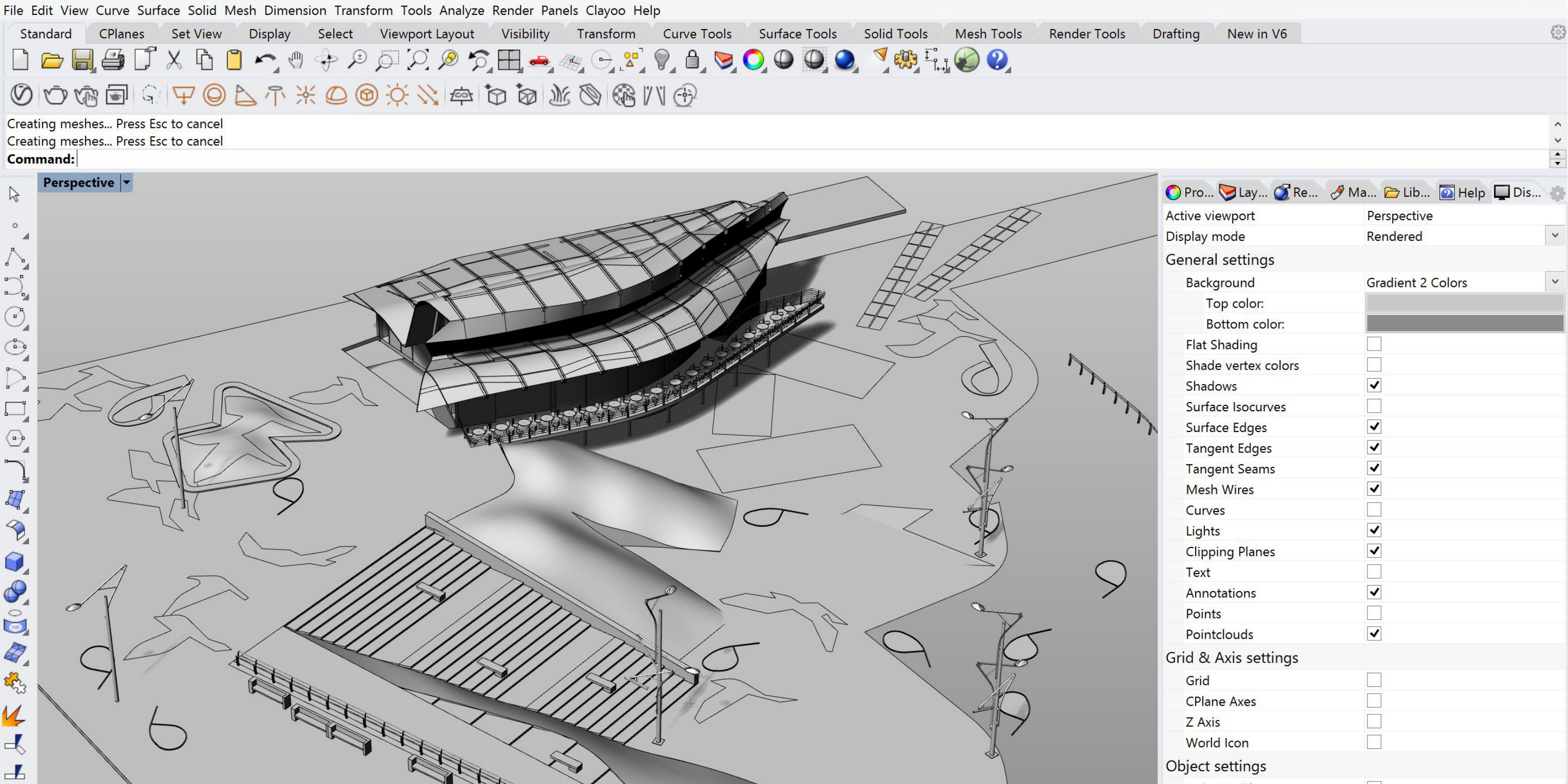
Hamburg · Germany













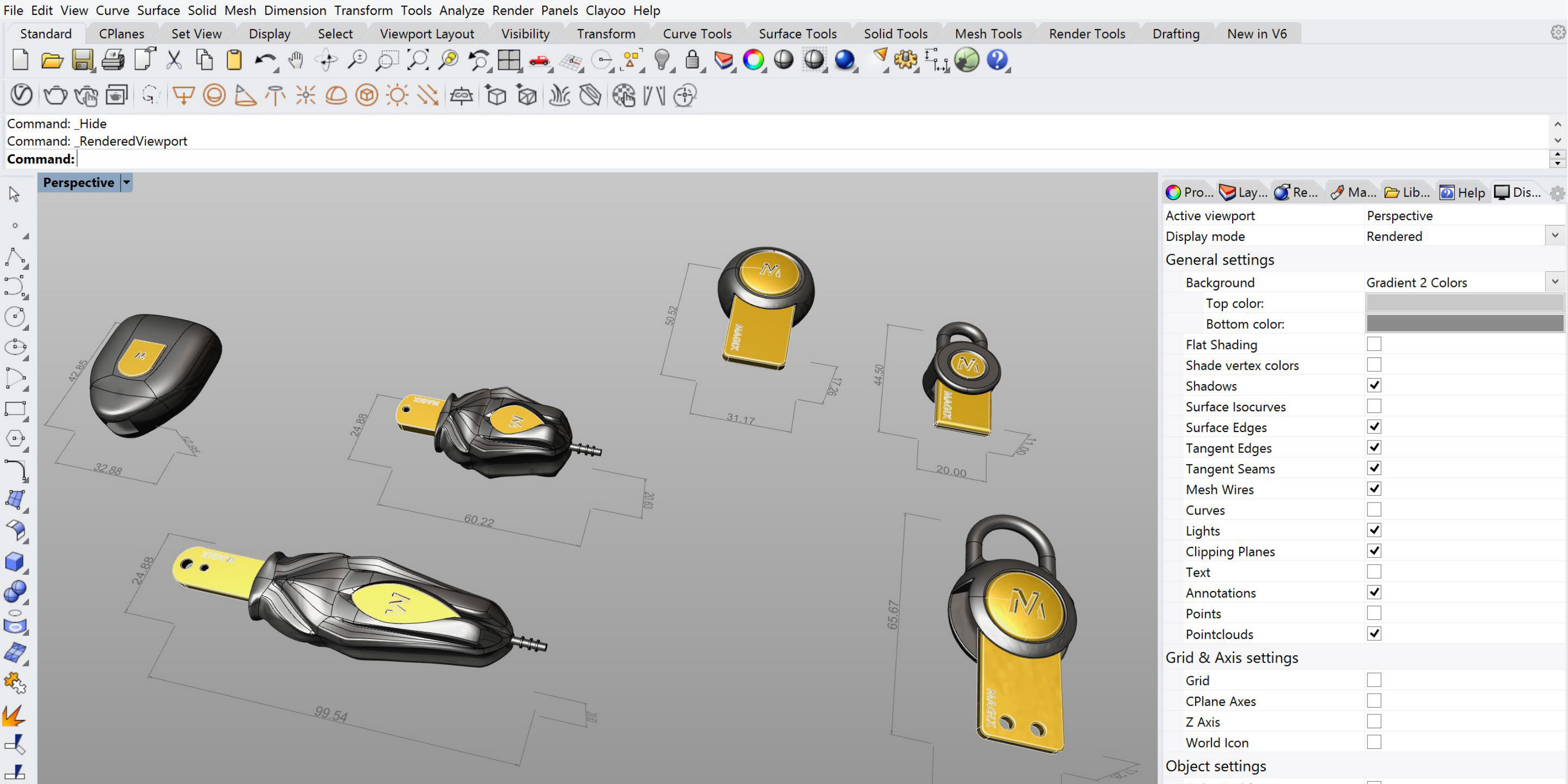
## Necklace

Magix - Lock

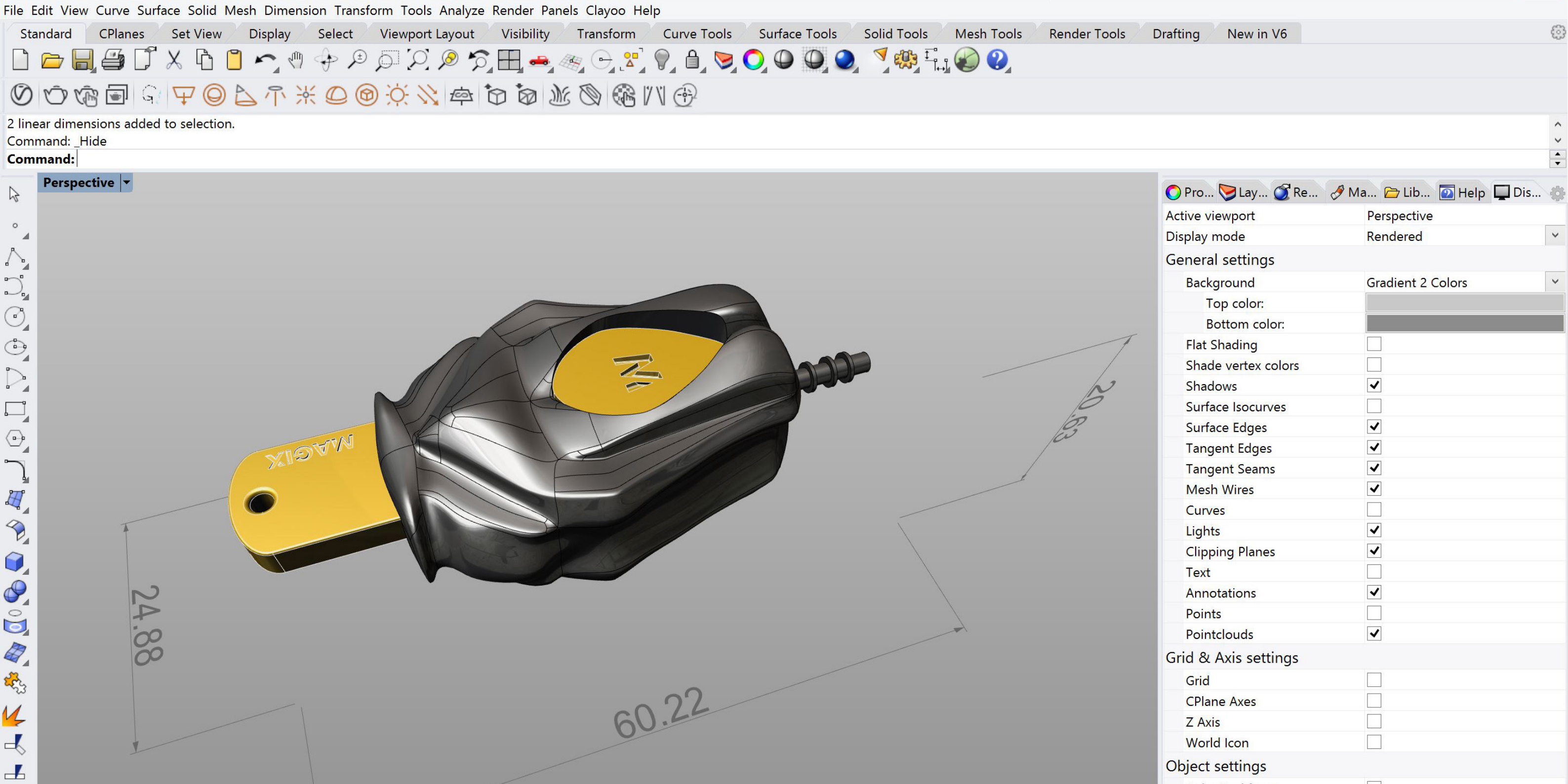
Graz . Austria













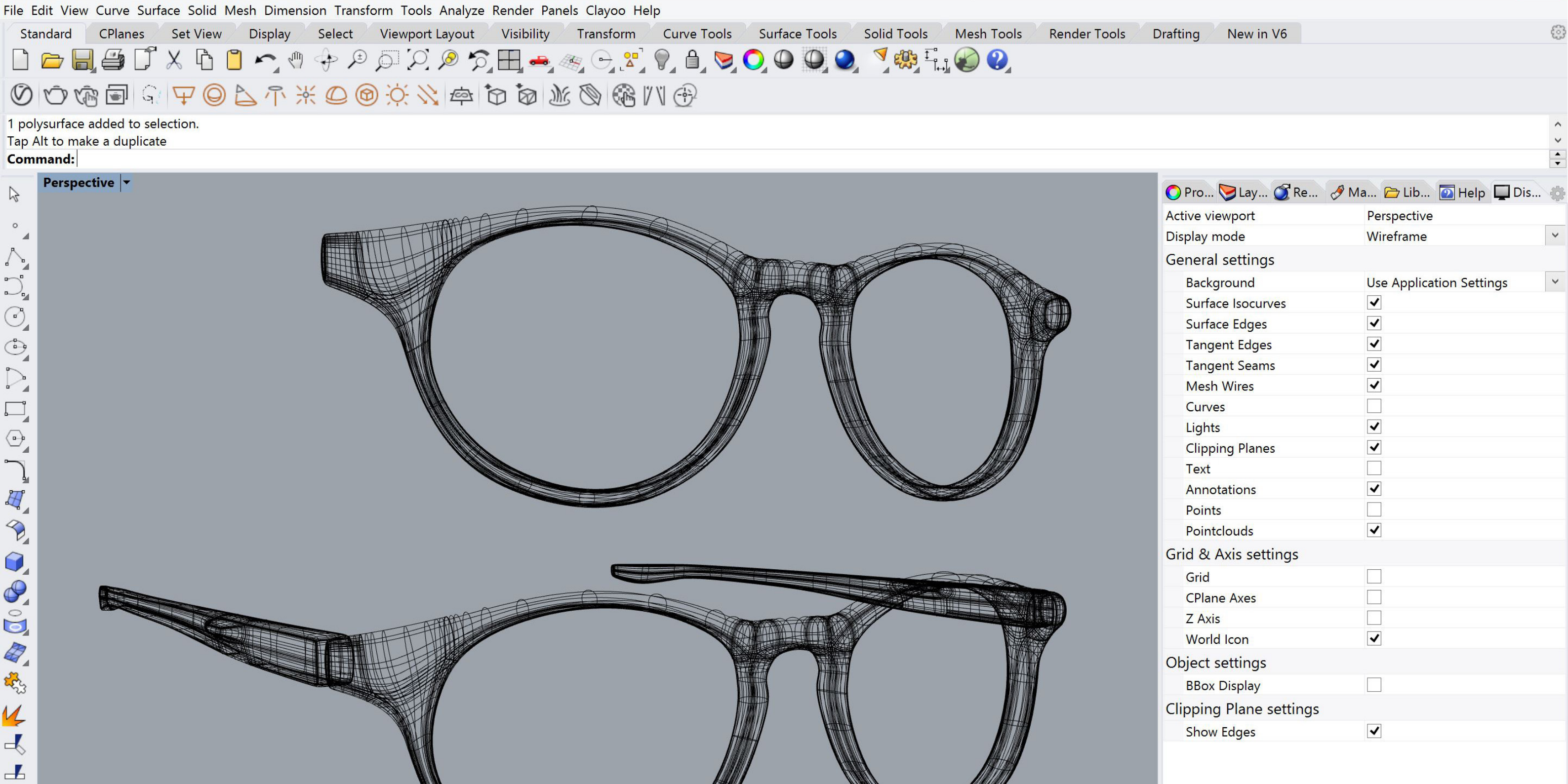
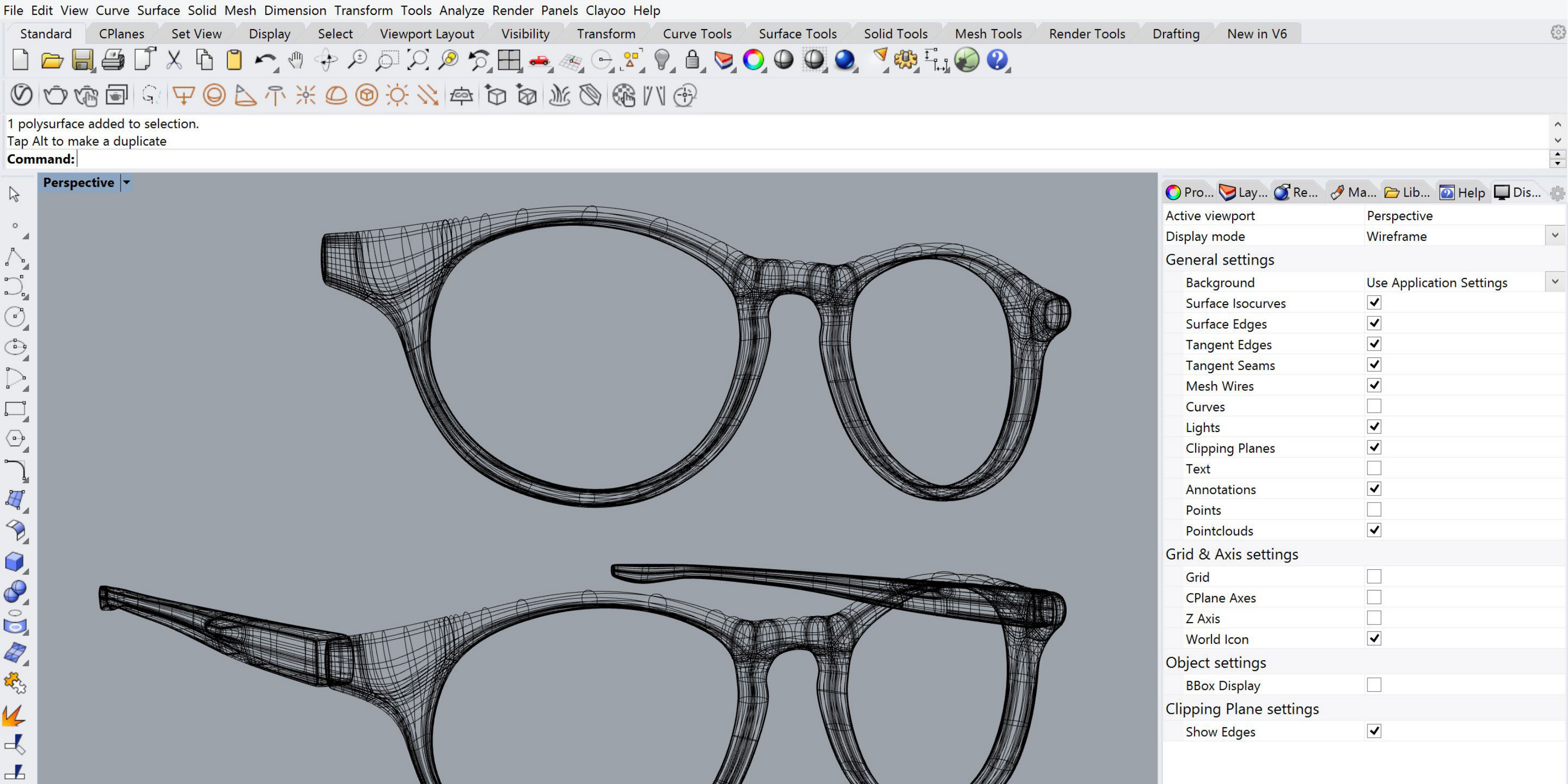
## Brillenrahmen X

Optik Sattler

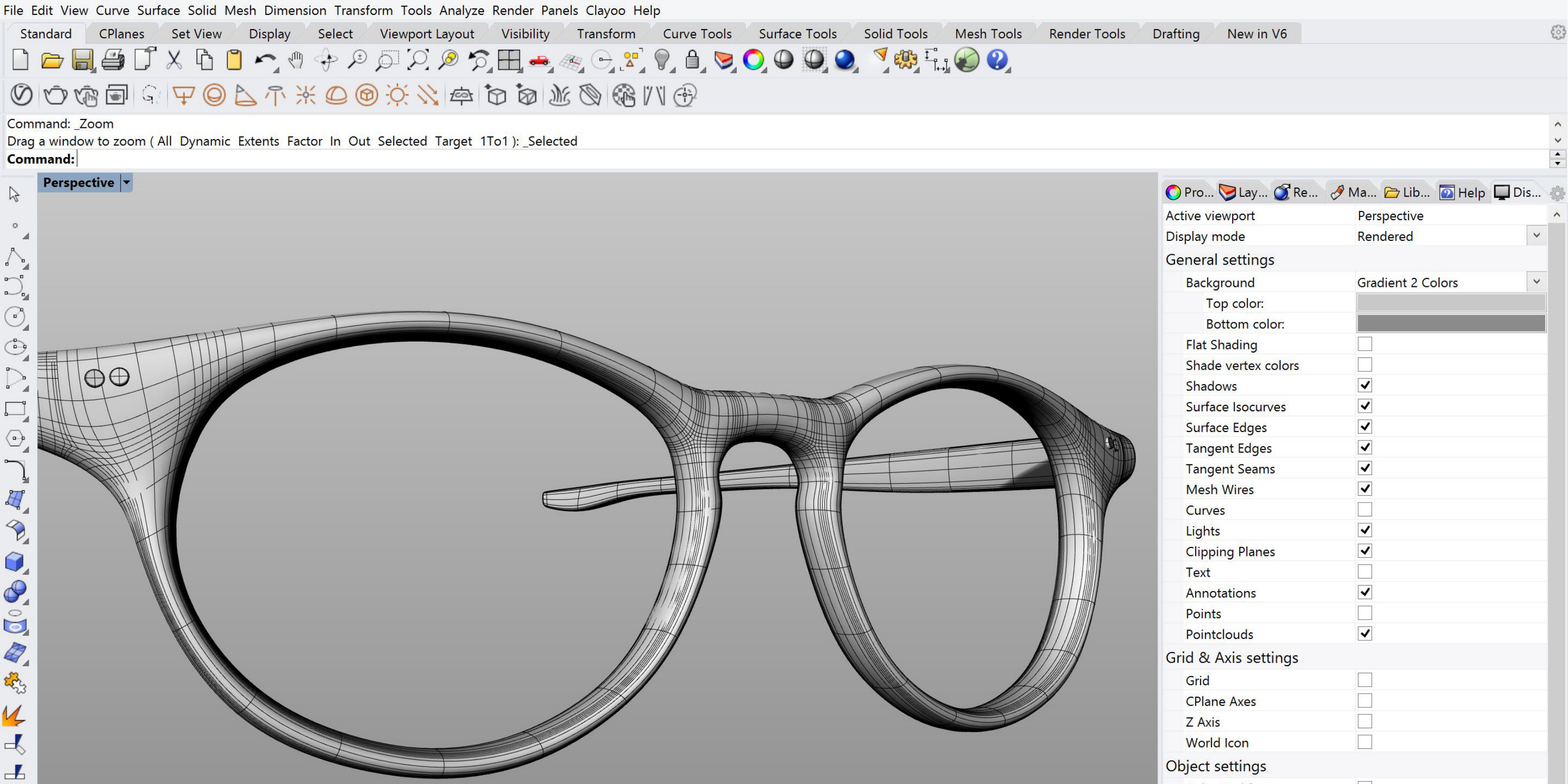
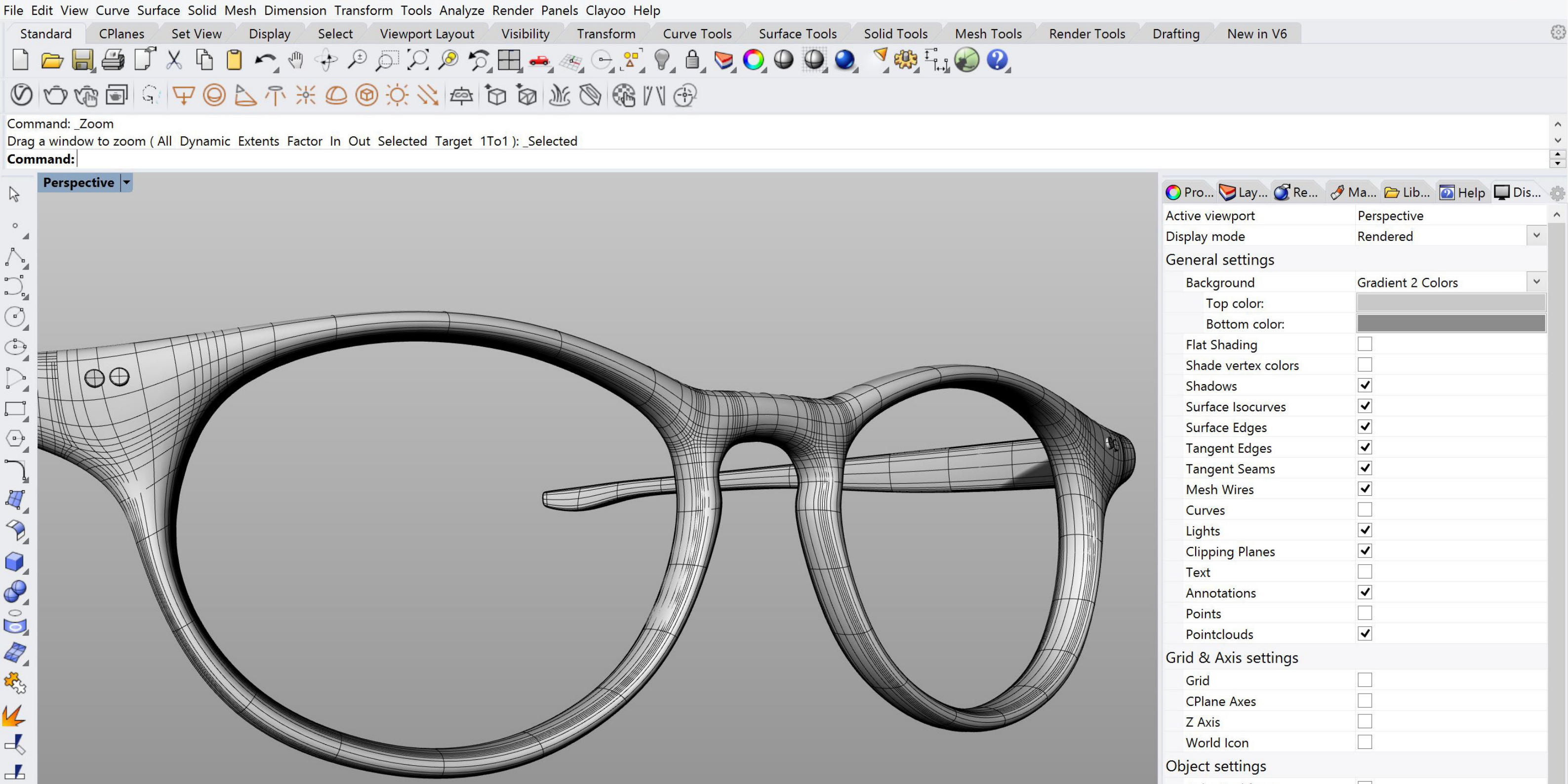
Graz · Austria













## NOOK

Chaos Group

Sofia . Bulgaria

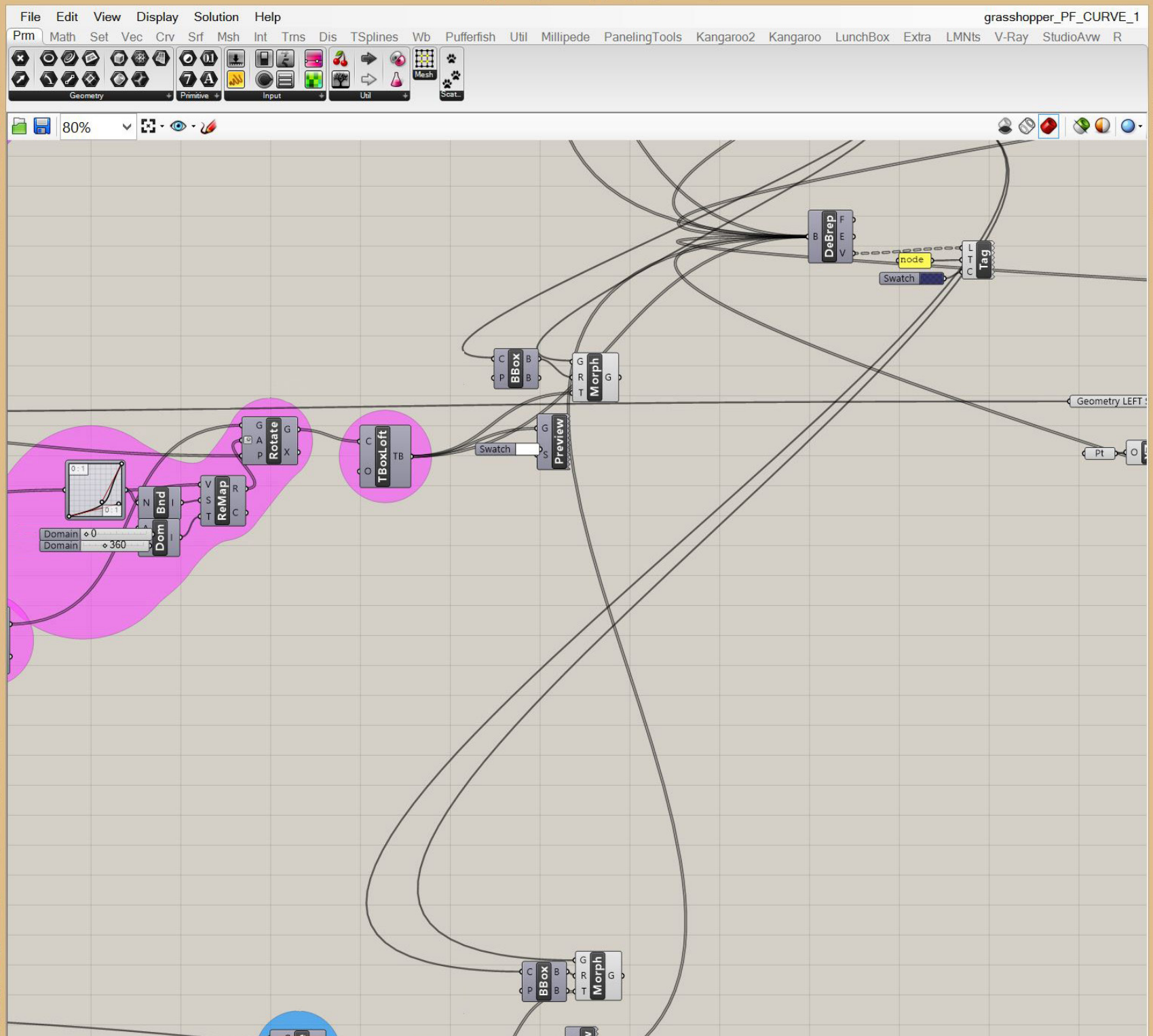
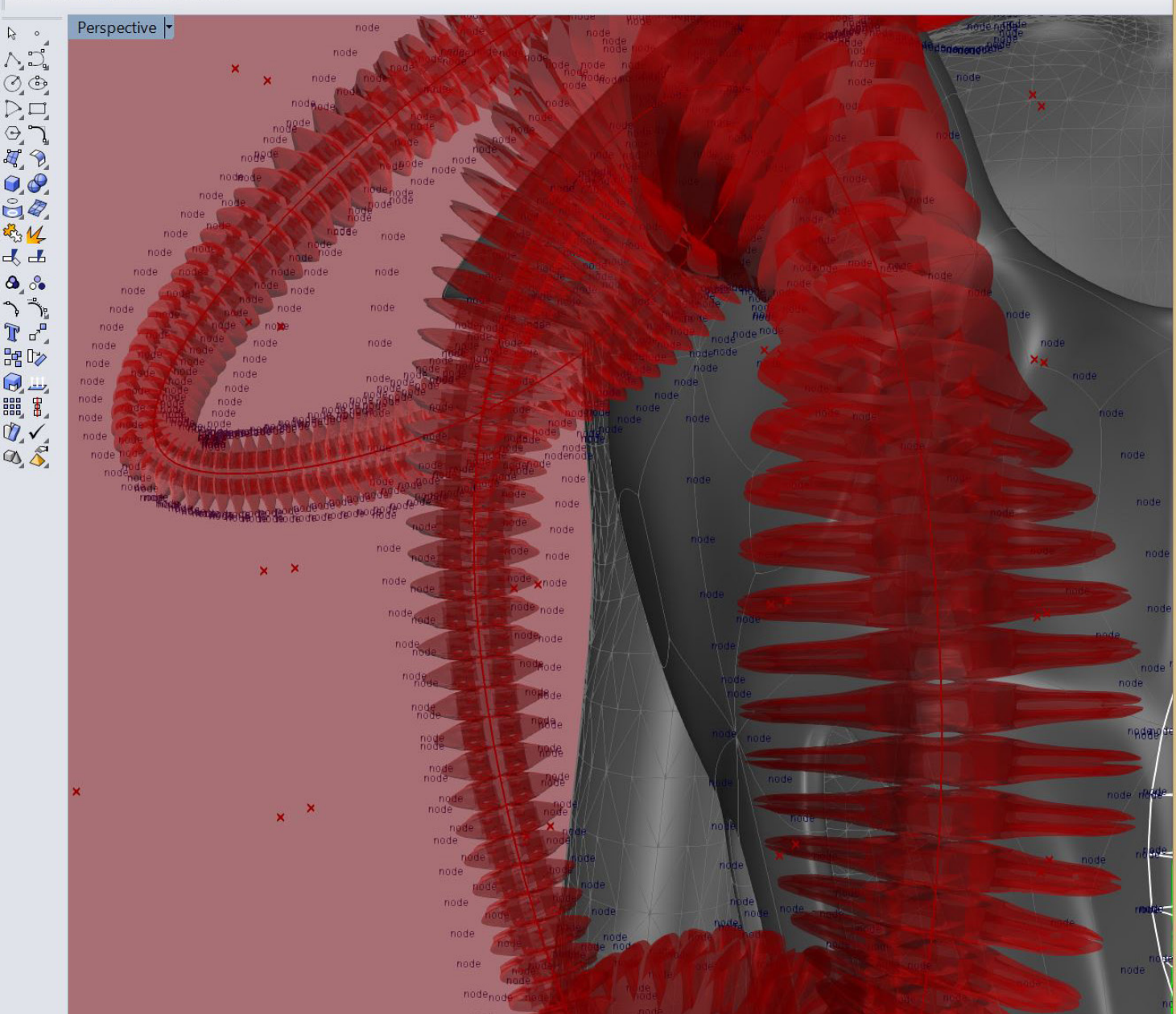




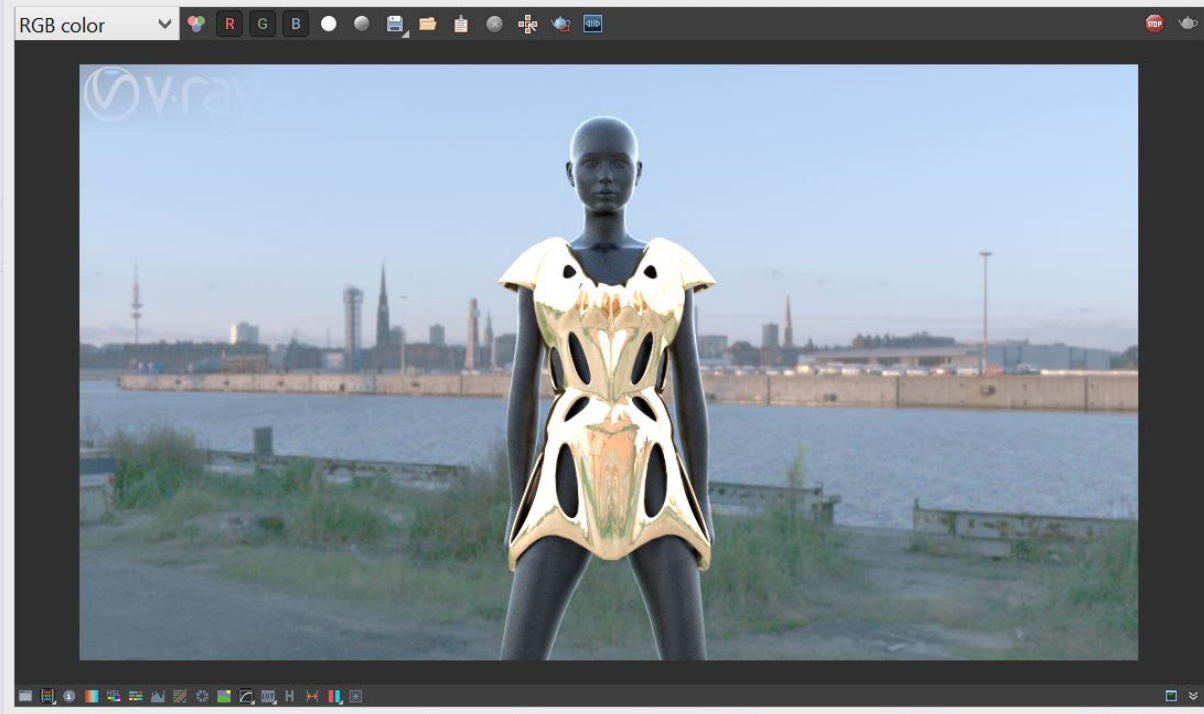
T-spline surface upgraded to latest version. The surface may change somewhat, especially near creases and naked edges.  
T-spline surface upgraded to latest version. The surface may change somewhat, especially near creases and naked edges.  
T-spline surface upgraded to latest version. The surface may change somewhat, especially near creases and naked edges.  
T-spline surface upgraded to latest version. The surface may change somewhat, especially near creases and naked edges.  
Loading Rhino Render, version 1.50, Aug 10 2015, 15:15:17  
File "E:\VRAY\_CHAOSGROUP\_GRASSHOPPER\VRAY\_GRASSHOPPER\_FASHION\_1.3dm" successfully read

Command:

Standard CPlanes Set View Display Select Viewport Layout Visibility Transform Curve Tools Surface Tools Solid Tools Mesh Tools Render To

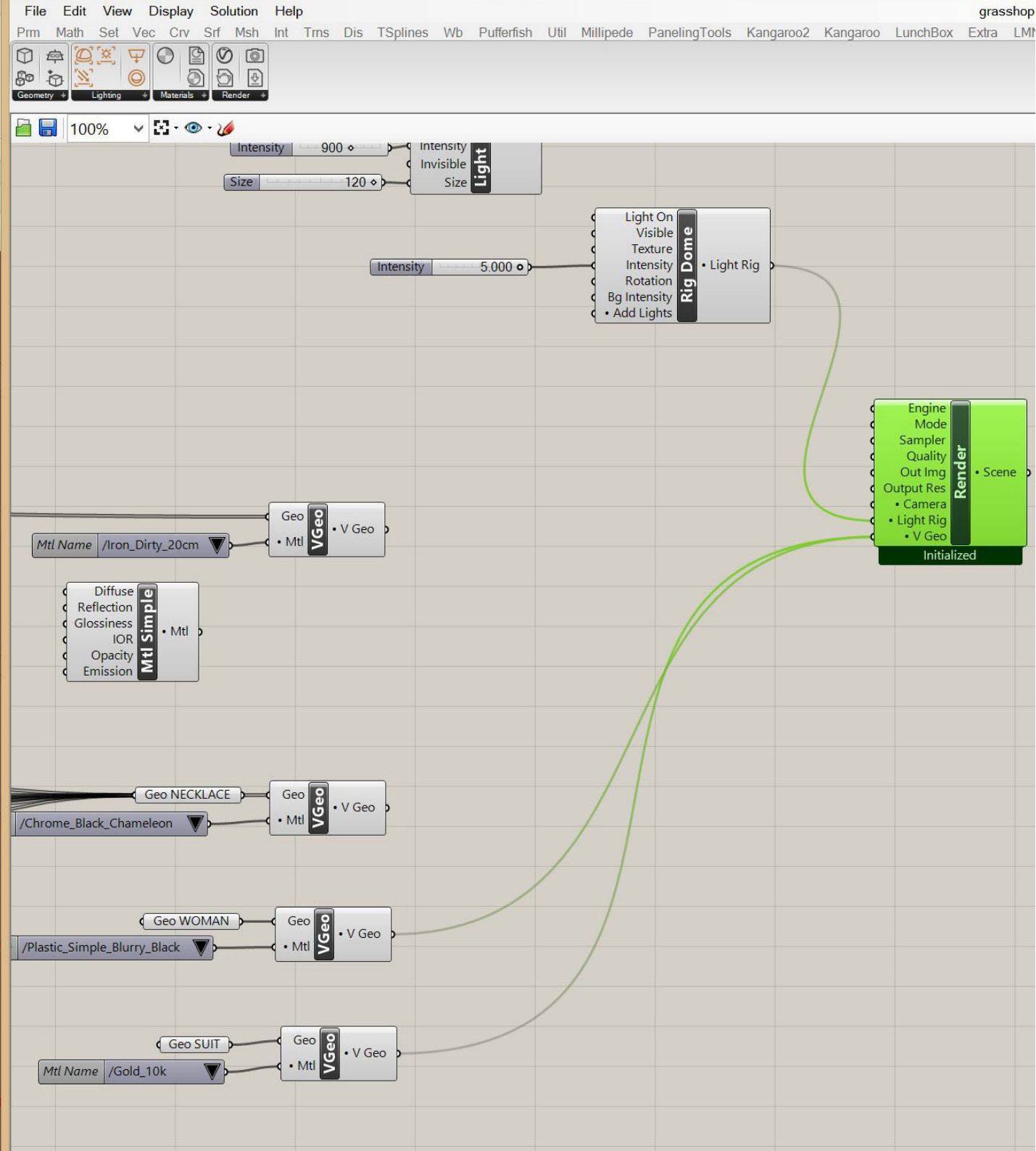
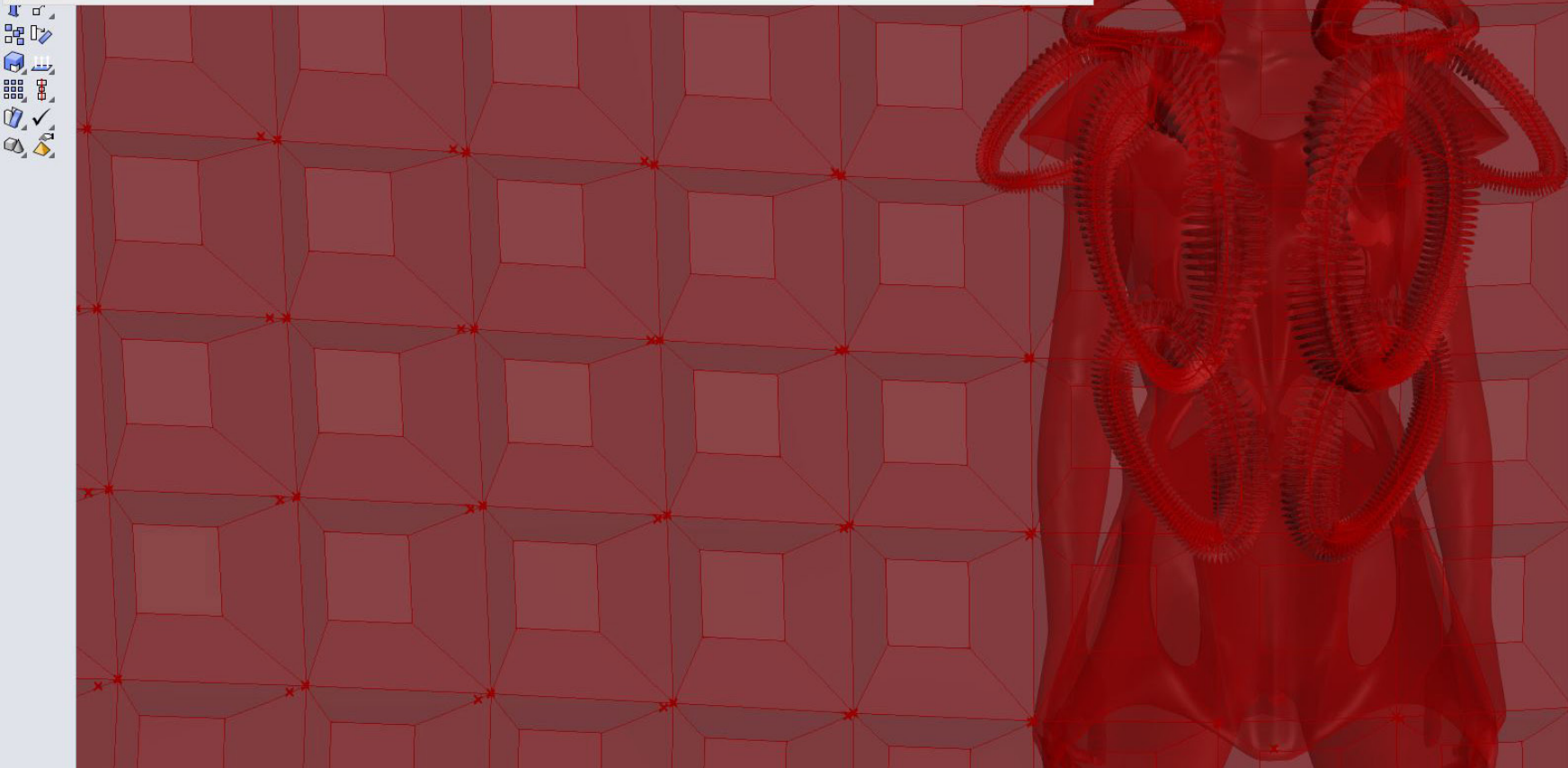






RhinoAutosave(9848).3dm

Mesh Tools Render Tools Drafting New in V5

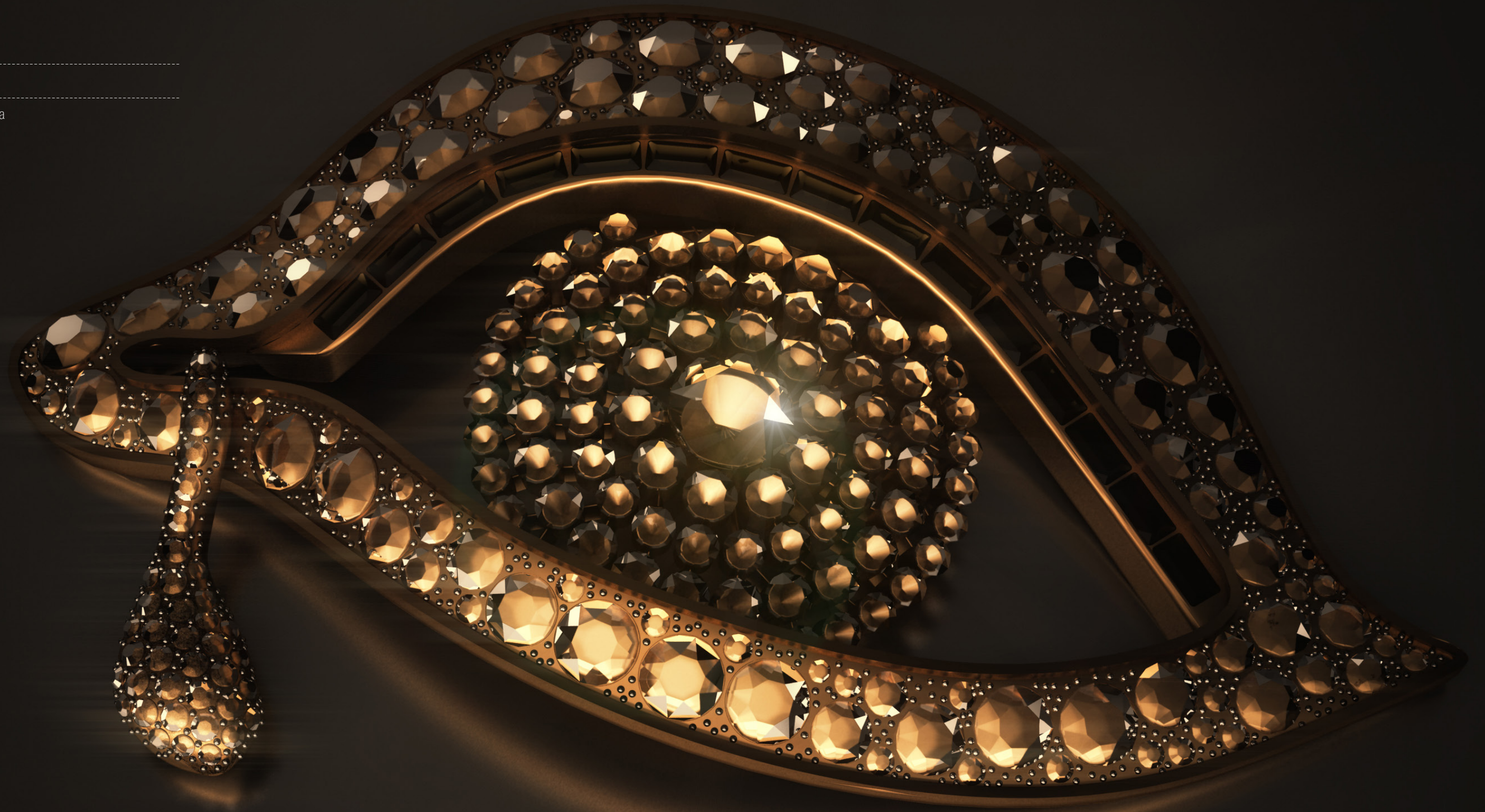




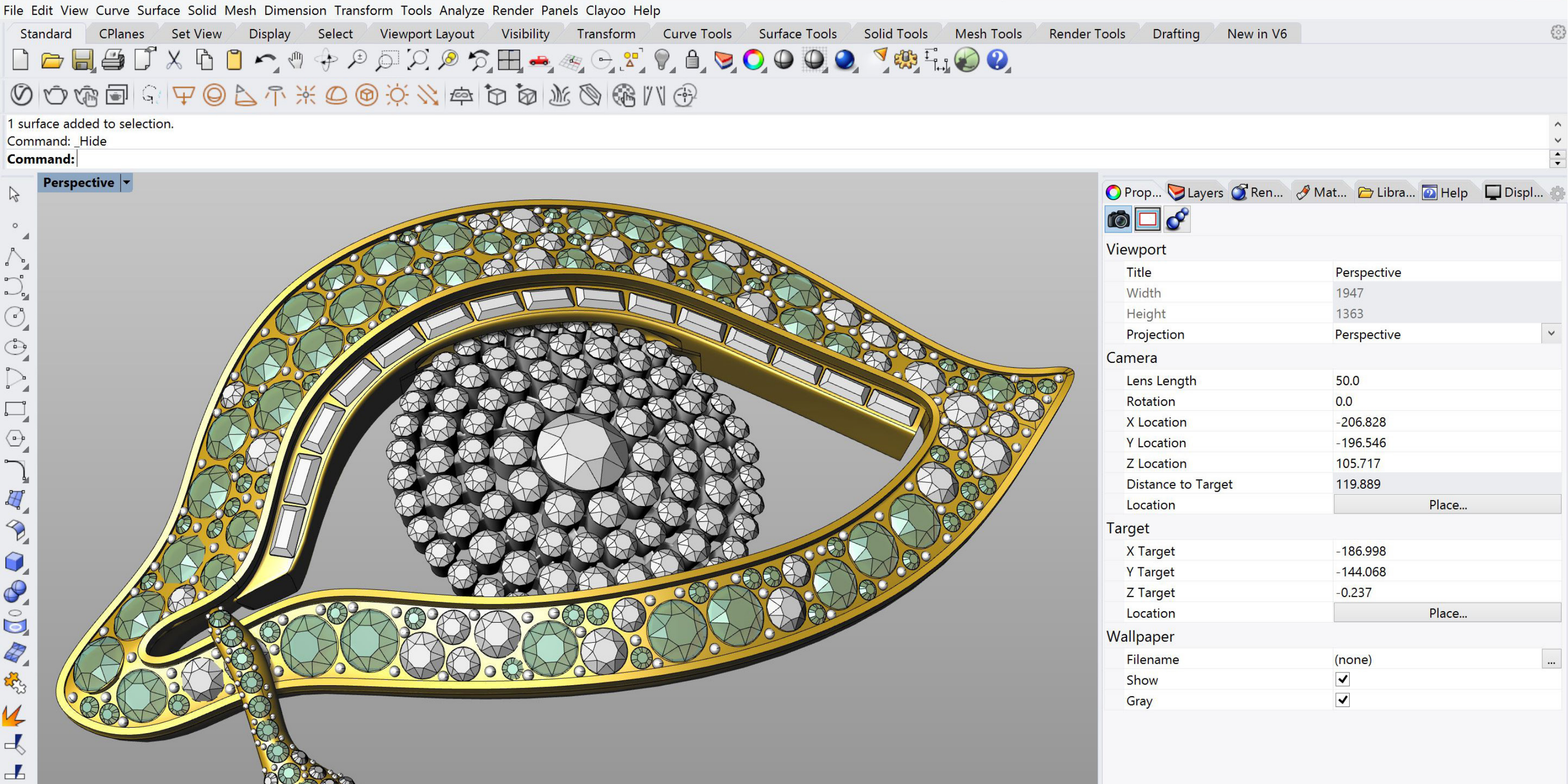
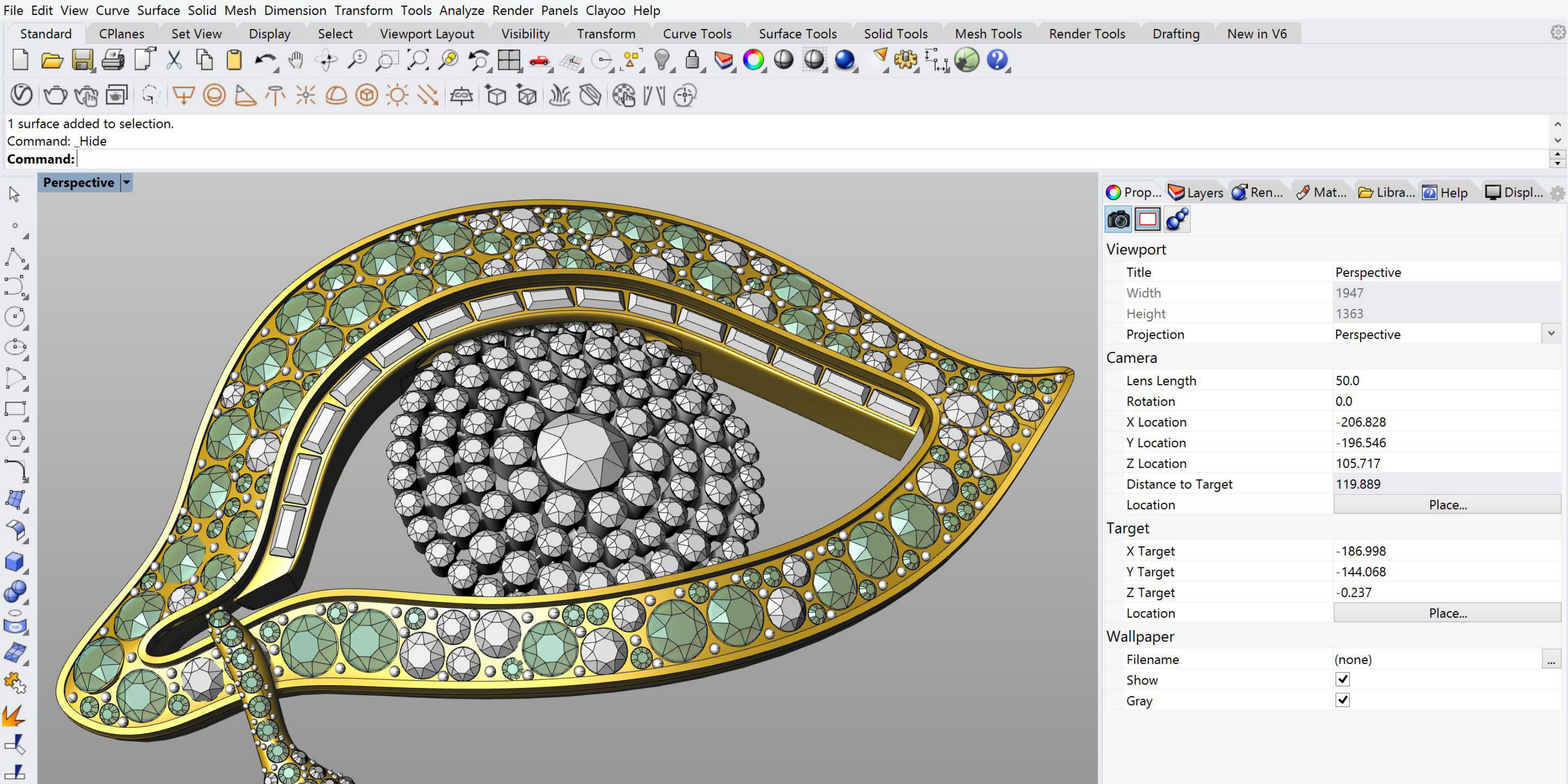
## DAS AUG

Swarovski

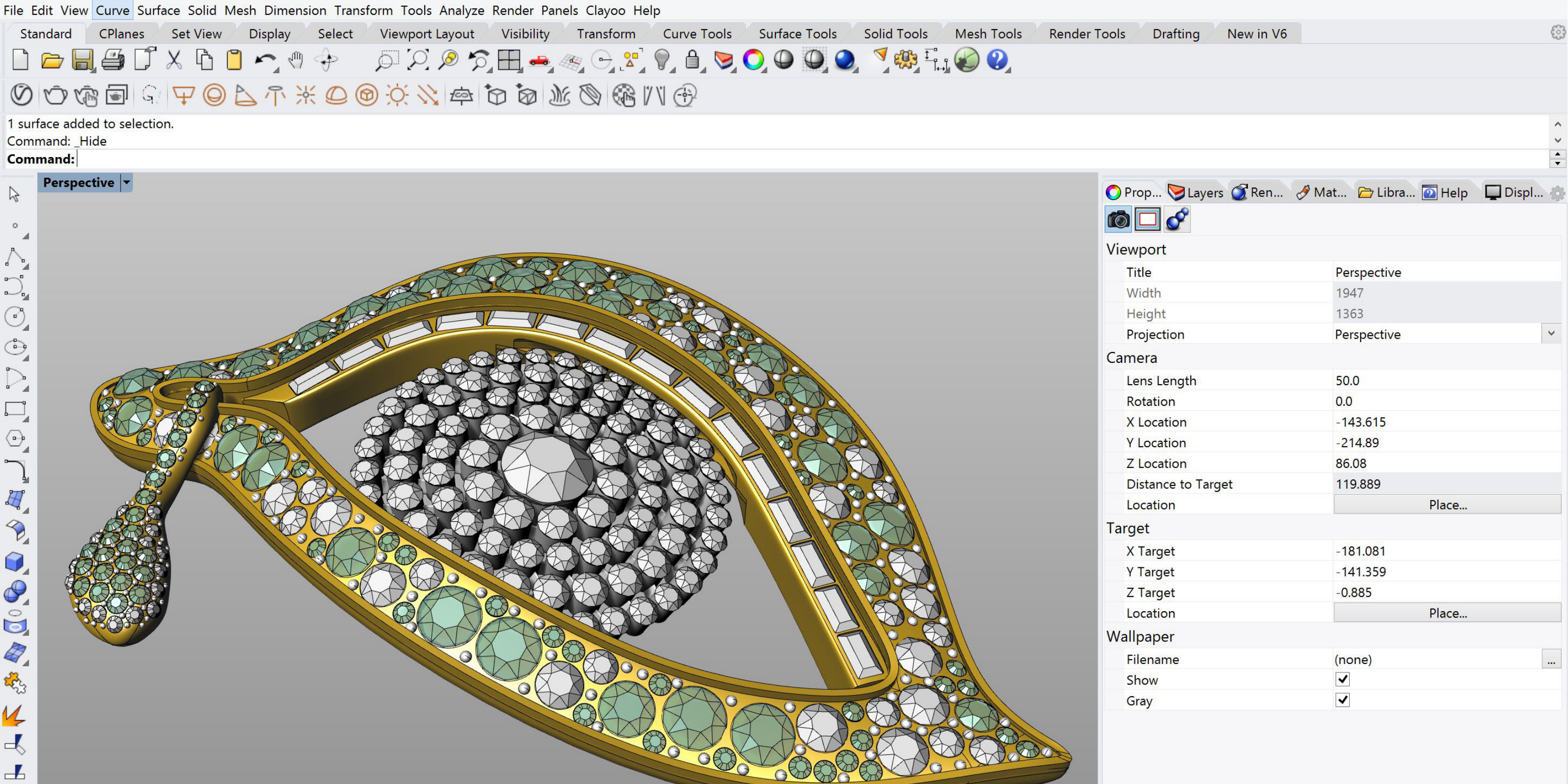
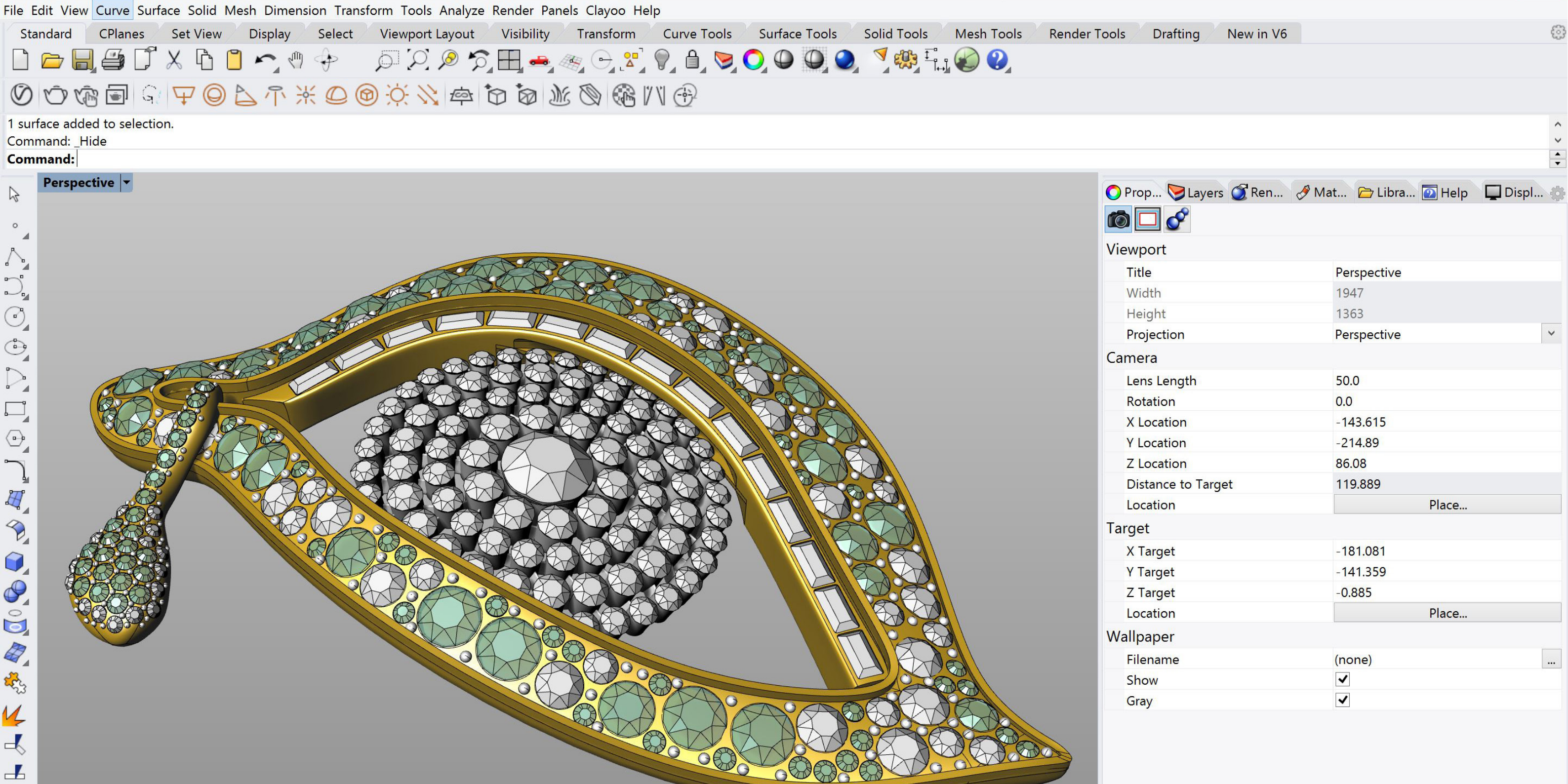
Wattens . Austria













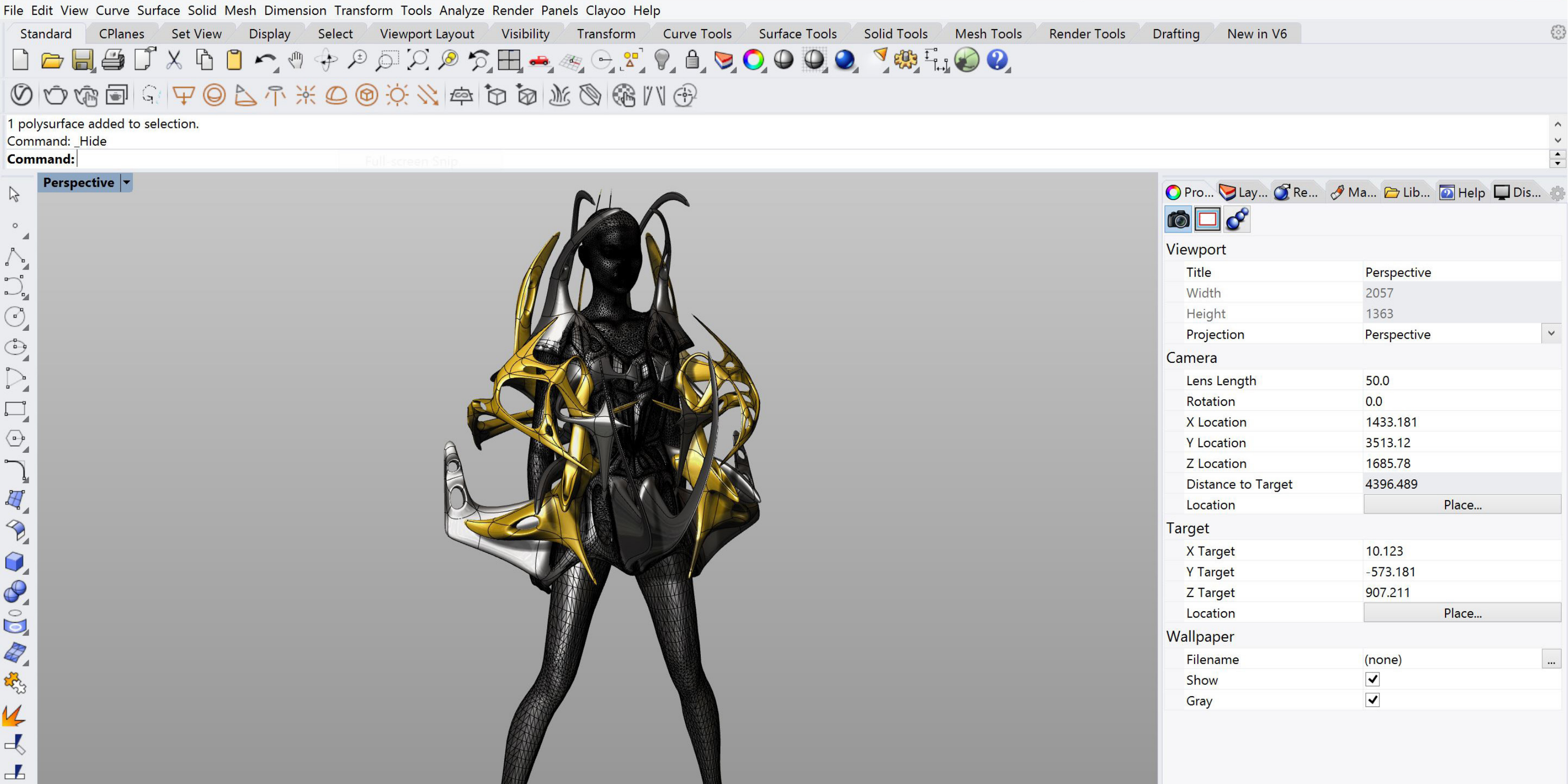
## Insect Suit

Chaos Group

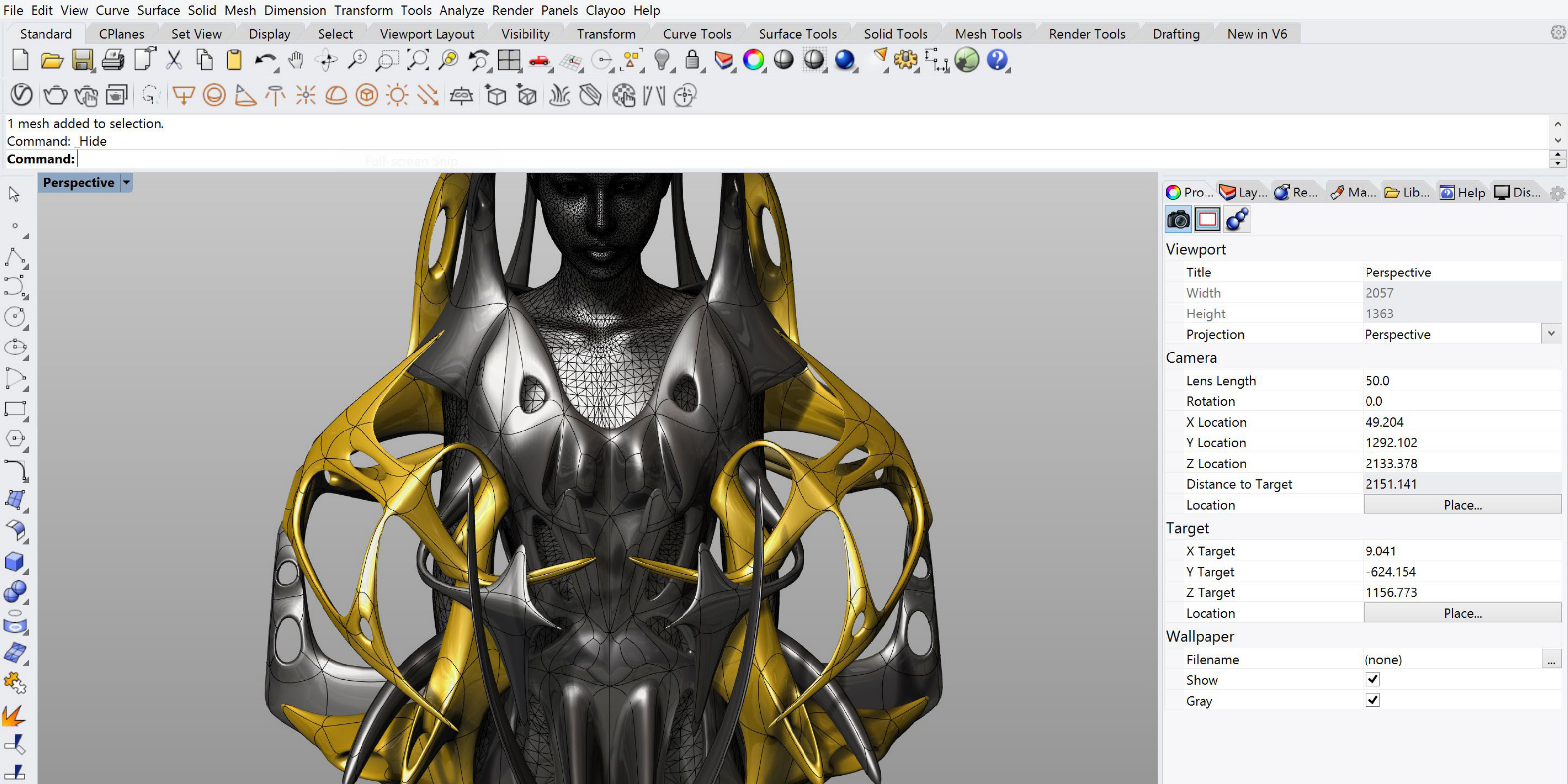
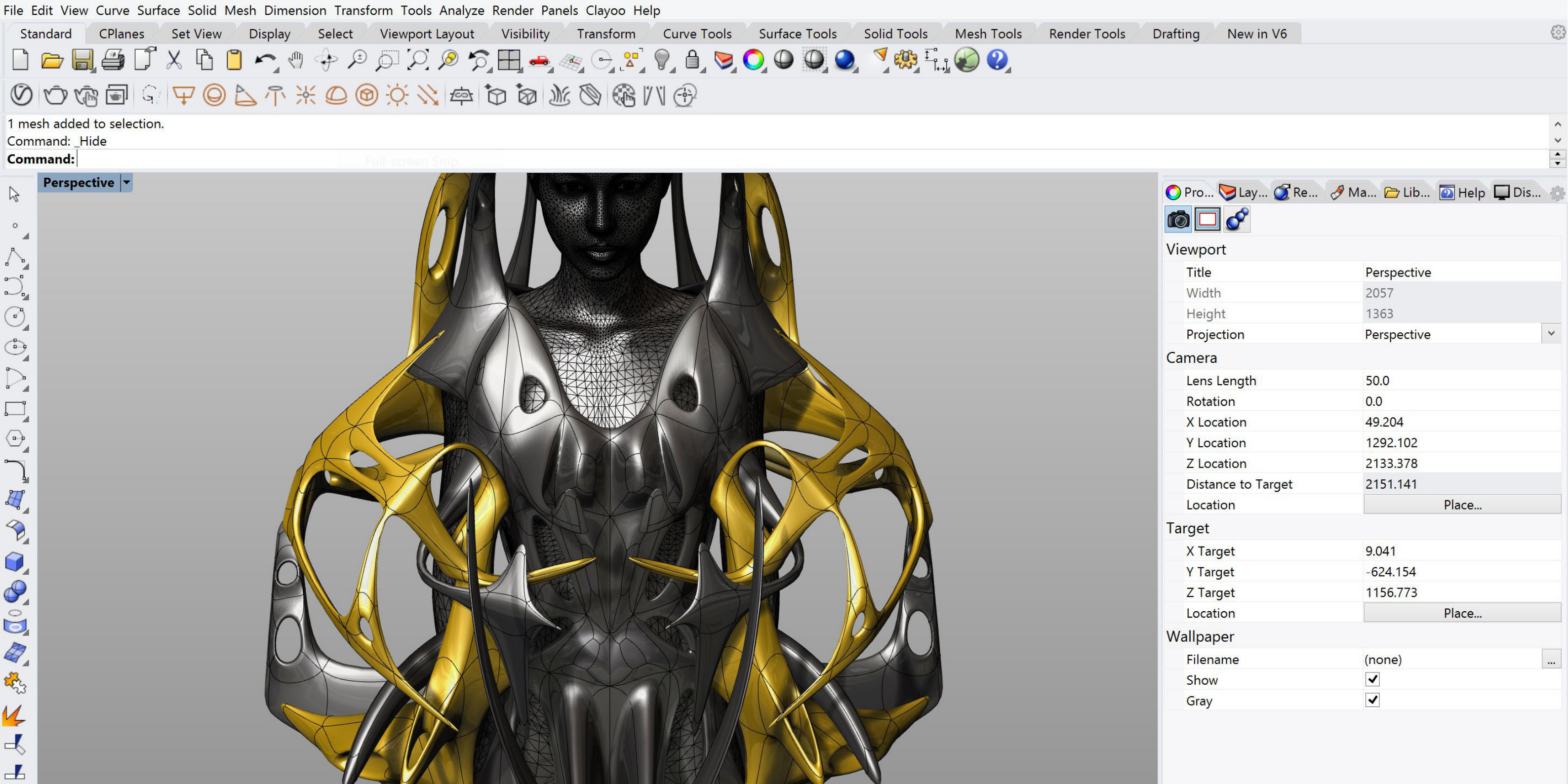
Sofia . Bulgaria









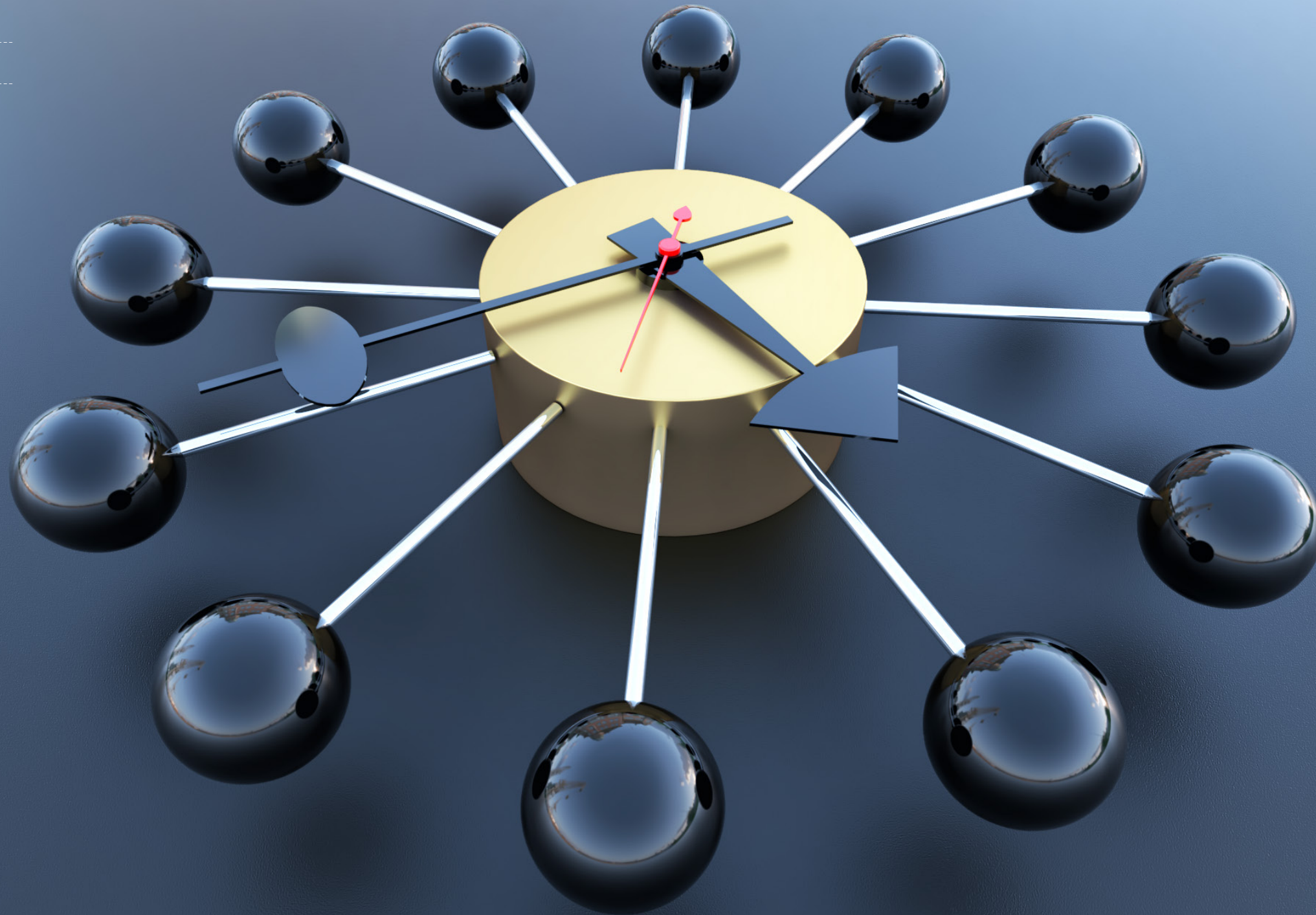




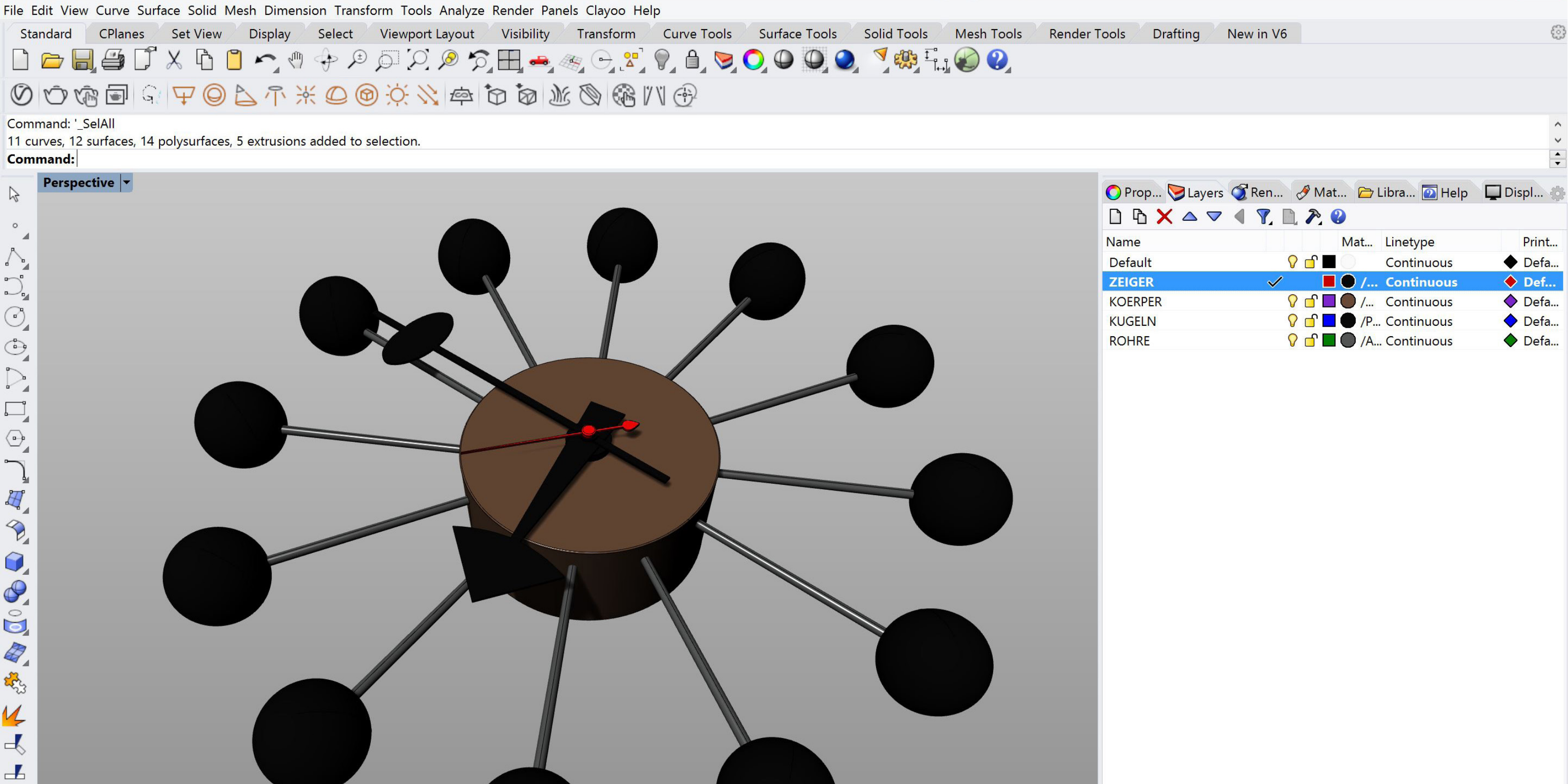
## Ball Clock

Vitra

Weil am Rhein . Germany



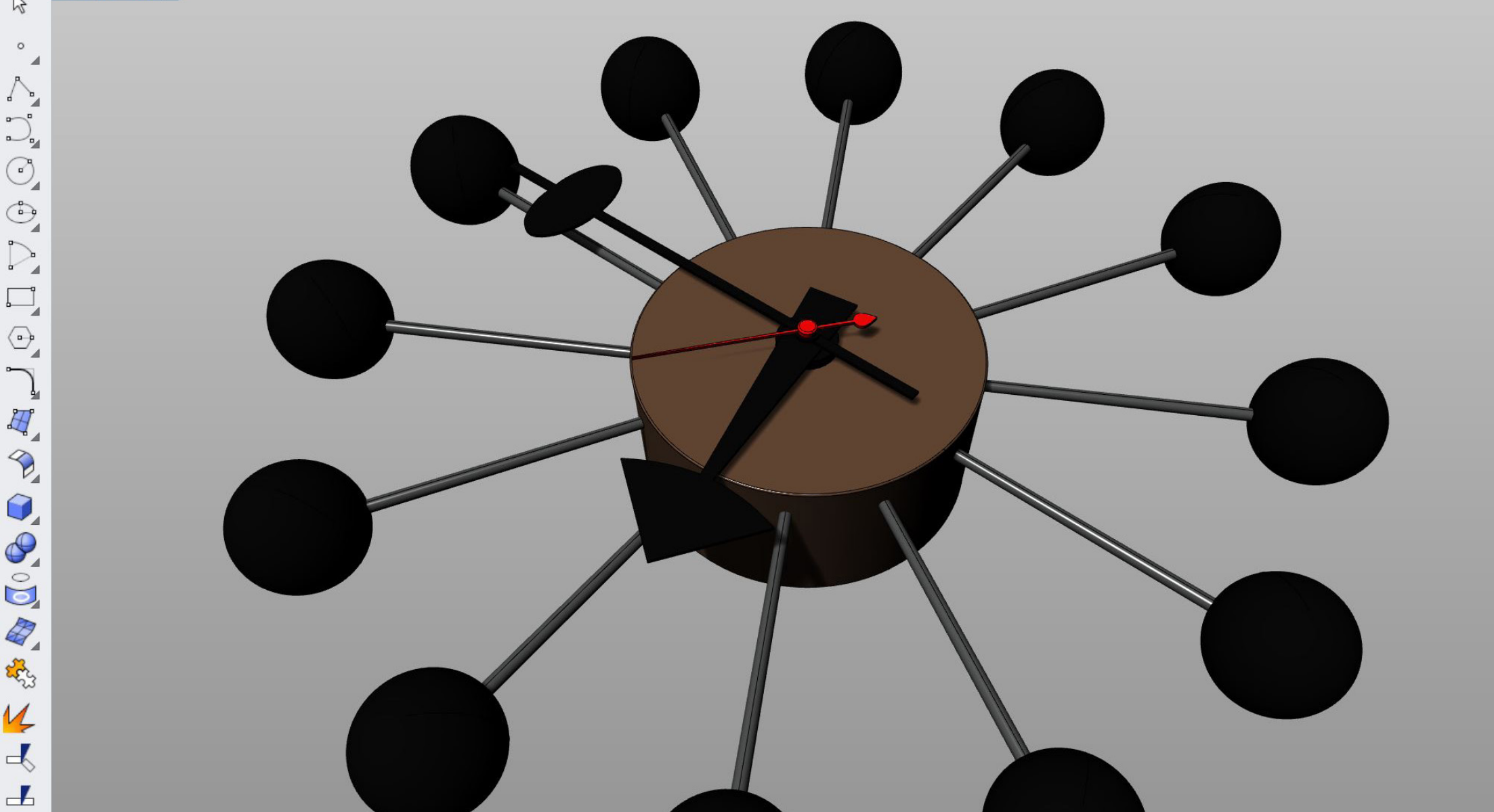




Command: '\_SelAll'  
11 curves, 12 surfaces, 14 polysurfaces, 5 extrusions added to selection.

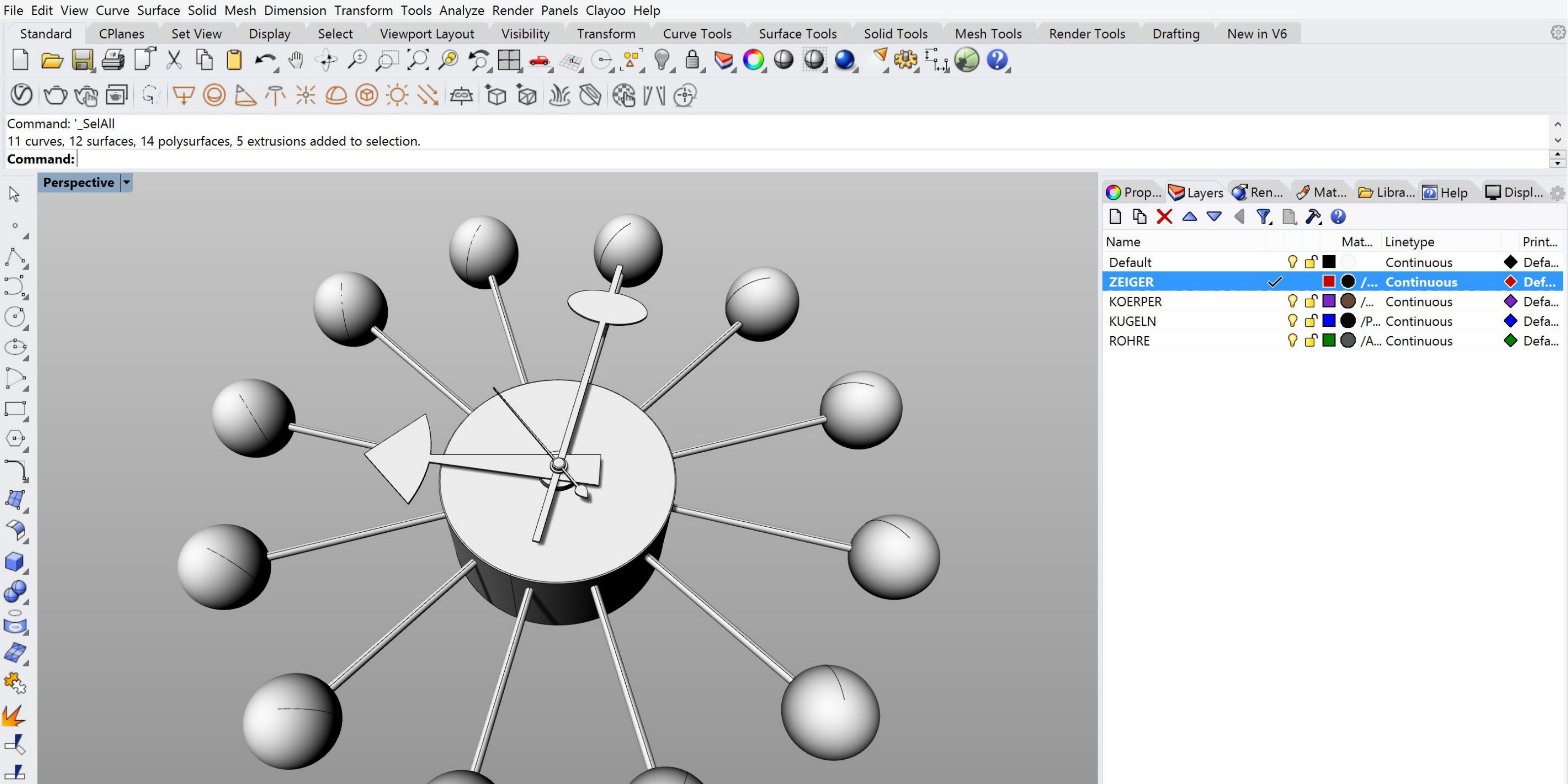
Command:

Perspective



Name			Mat...	Linetype	Print...
Default				Continuous	◆ Defa...
ZEIGER	✓		Red circle	Continuous	◆ Def...
KOERPER			Purple circle	Continuous	◆ Defa...
KUGELN			Blue circle	Continuous	◆ Defa...
ROHRE			Green circle	Continuous	◆ Defa...





Command: '\_SelAll'  
11 curves, 12 surfaces, 14 polysurfaces, 5 extrusions added to selection.

Command:

Perspective

Name	Mat...	Linetype	Print...
Default		Continuous	◆ Defa...
<b>ZEIGER</b>		/... Continuous	Def...
KOERPER		/... Continuous	Defa...
KUGELN		/P... Continuous	Defa...
ROHRE		/A... Continuous	Defa...



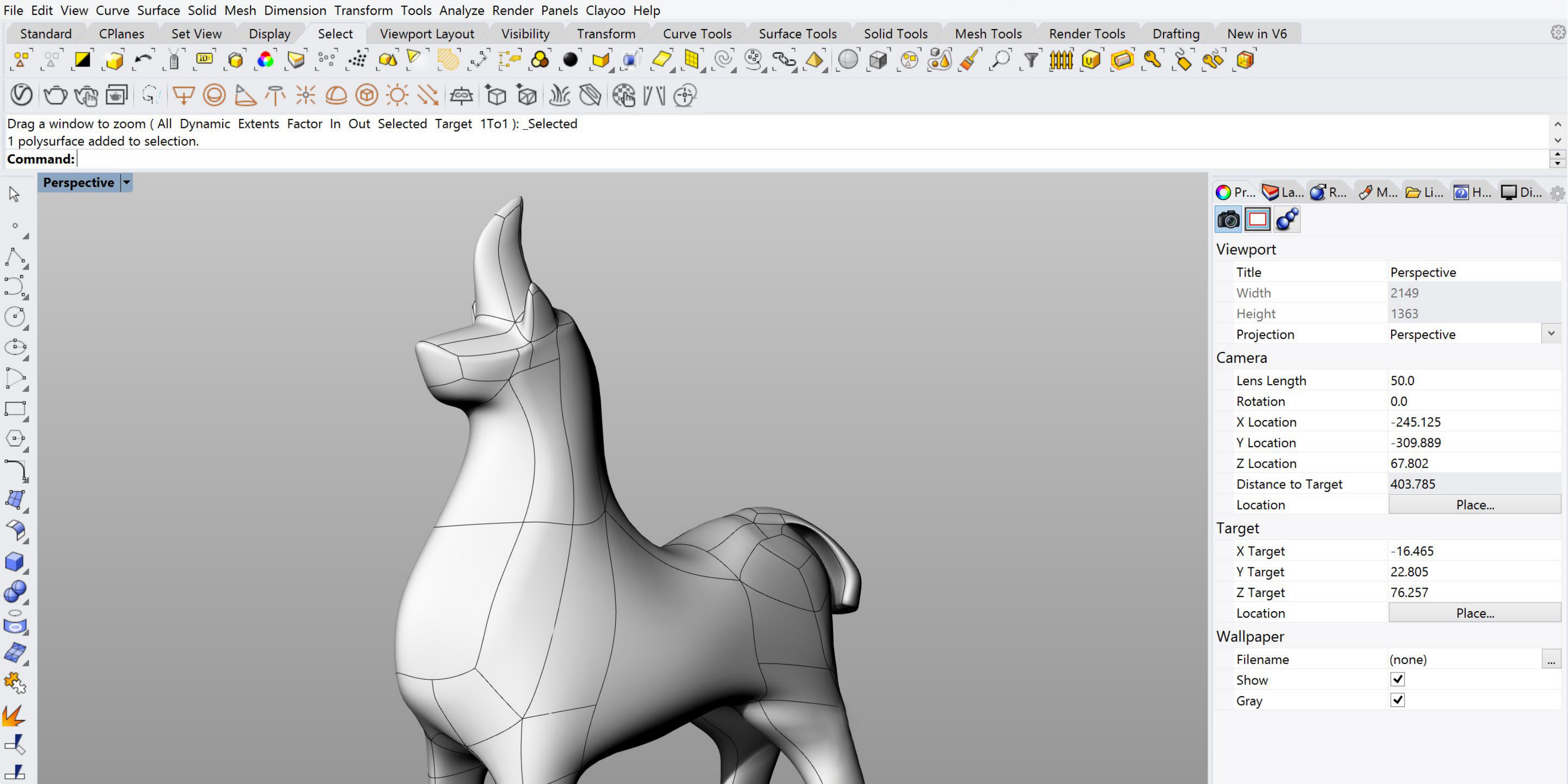
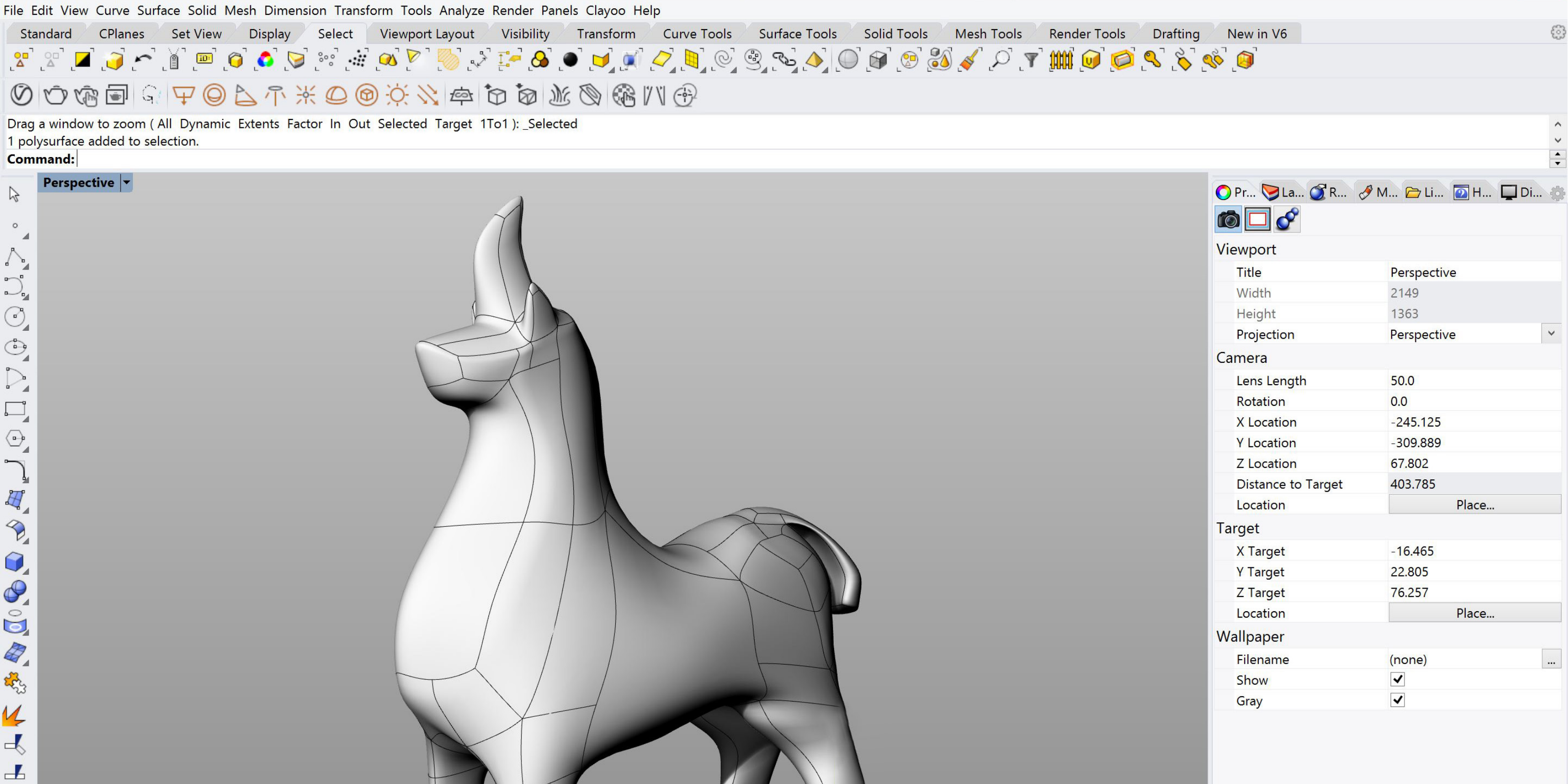
## Unicorn

MNAC - Museu Nacional d'Art de Catalunya

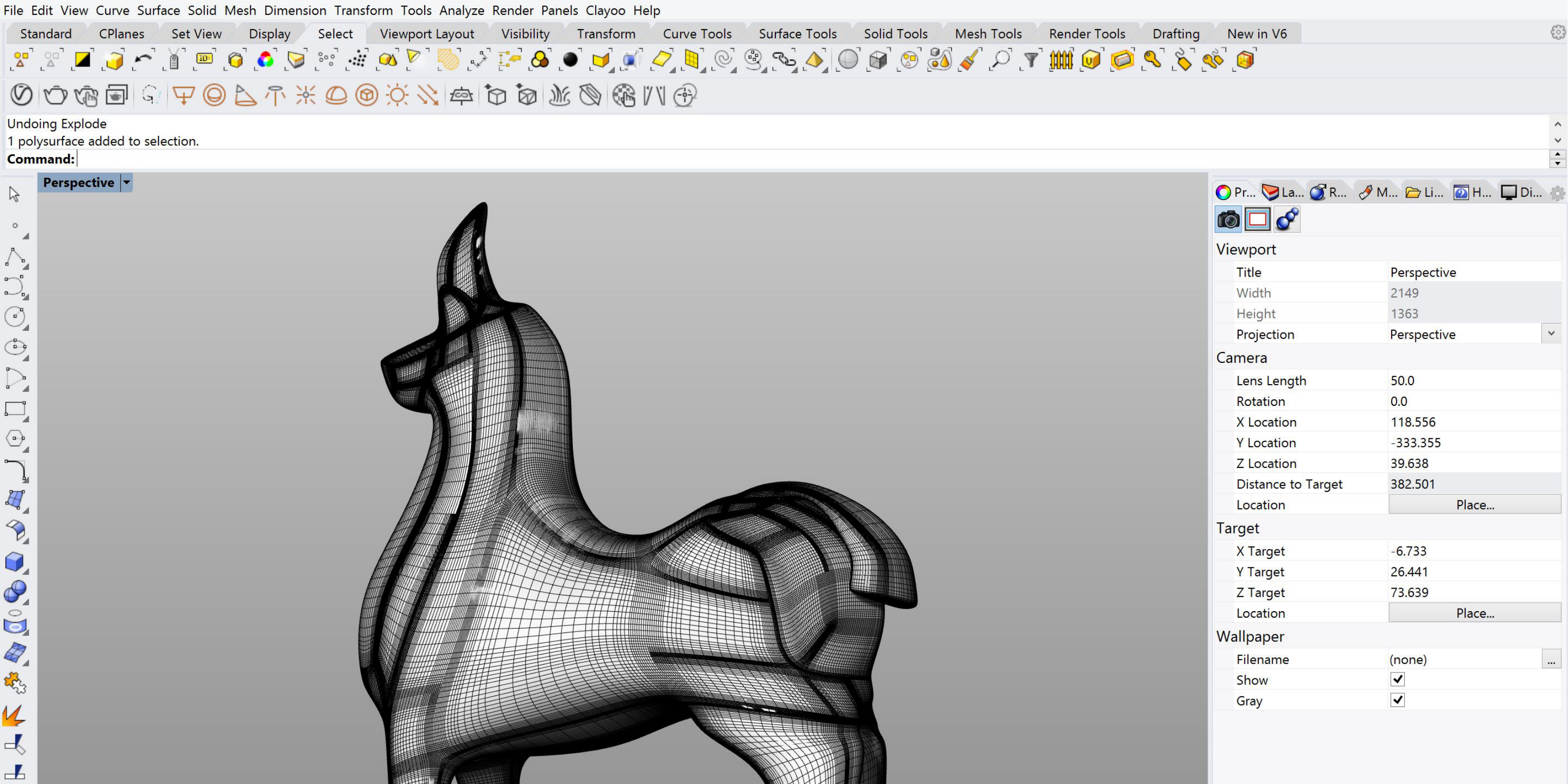
Barcelona . Spain











Undoing Explode  
1 polysurface added to selection.

Command:

Perspective

Pr... La... R... M... Li... H... Di...



### Viewport

Title	Perspective
Width	2149
Height	1363
Projection	Perspective

### Camera

Lens Length	50.0
Rotation	0.0
X Location	118.556
Y Location	-333.355
Z Location	39.638
Distance to Target	382.501
Location	Place...

### Target

X Target	-6.733
Y Target	26.441
Z Target	73.639
Location	Place...

### Wallpaper

Filename	(none)
Show	<input checked="" type="checkbox"/>
Gray	<input checked="" type="checkbox"/>



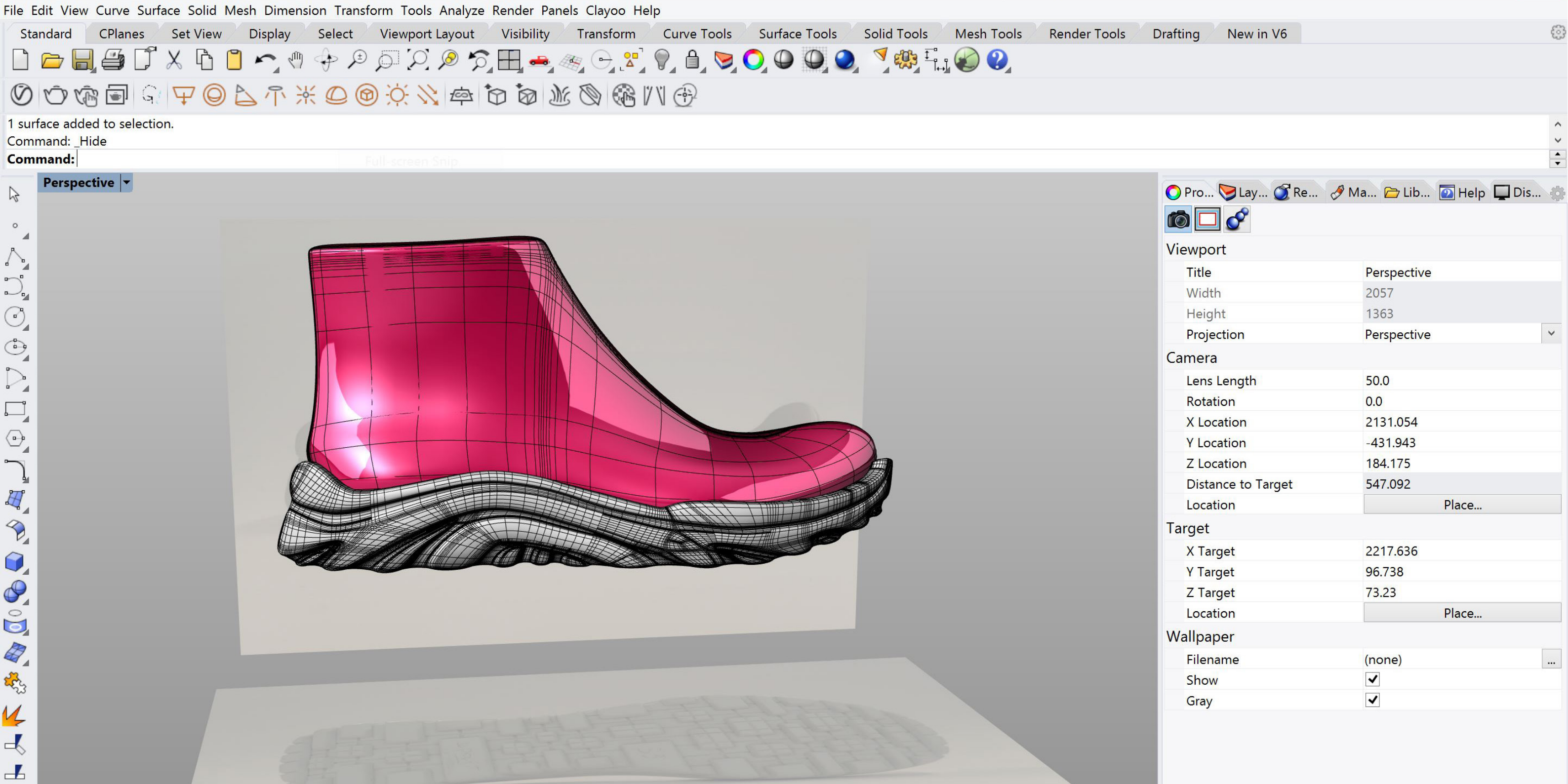
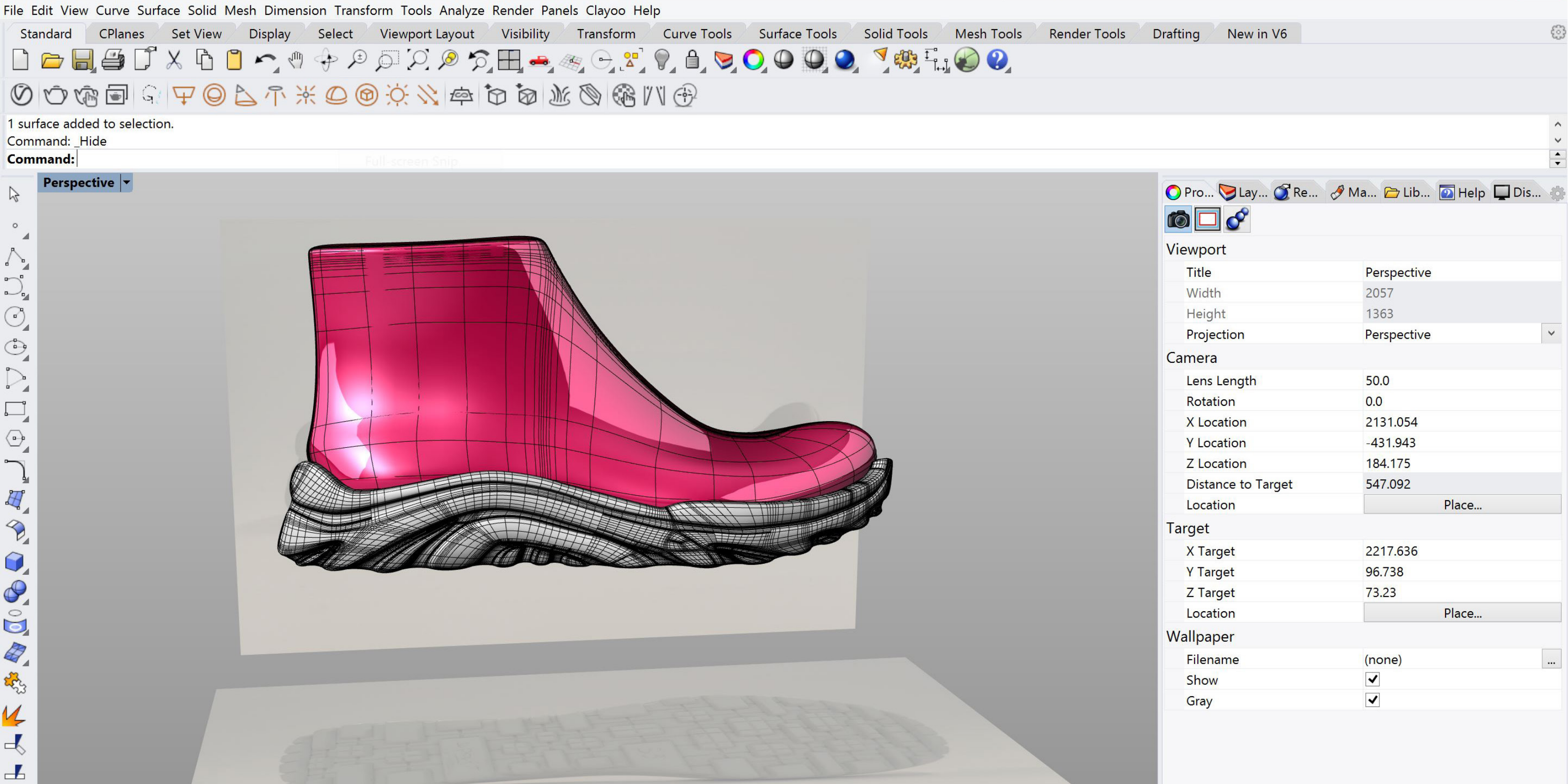
## Schuhdesign

Legero

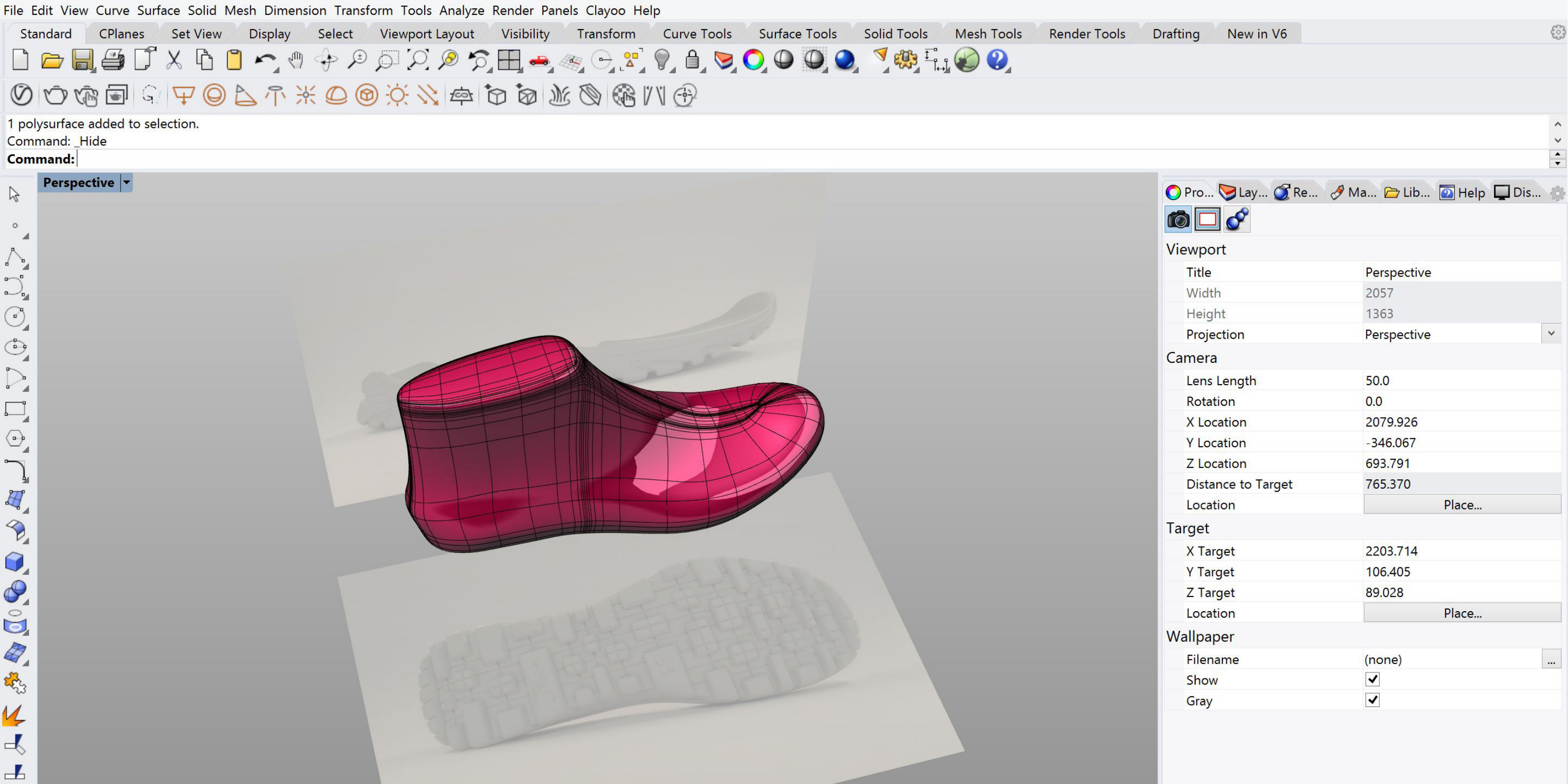
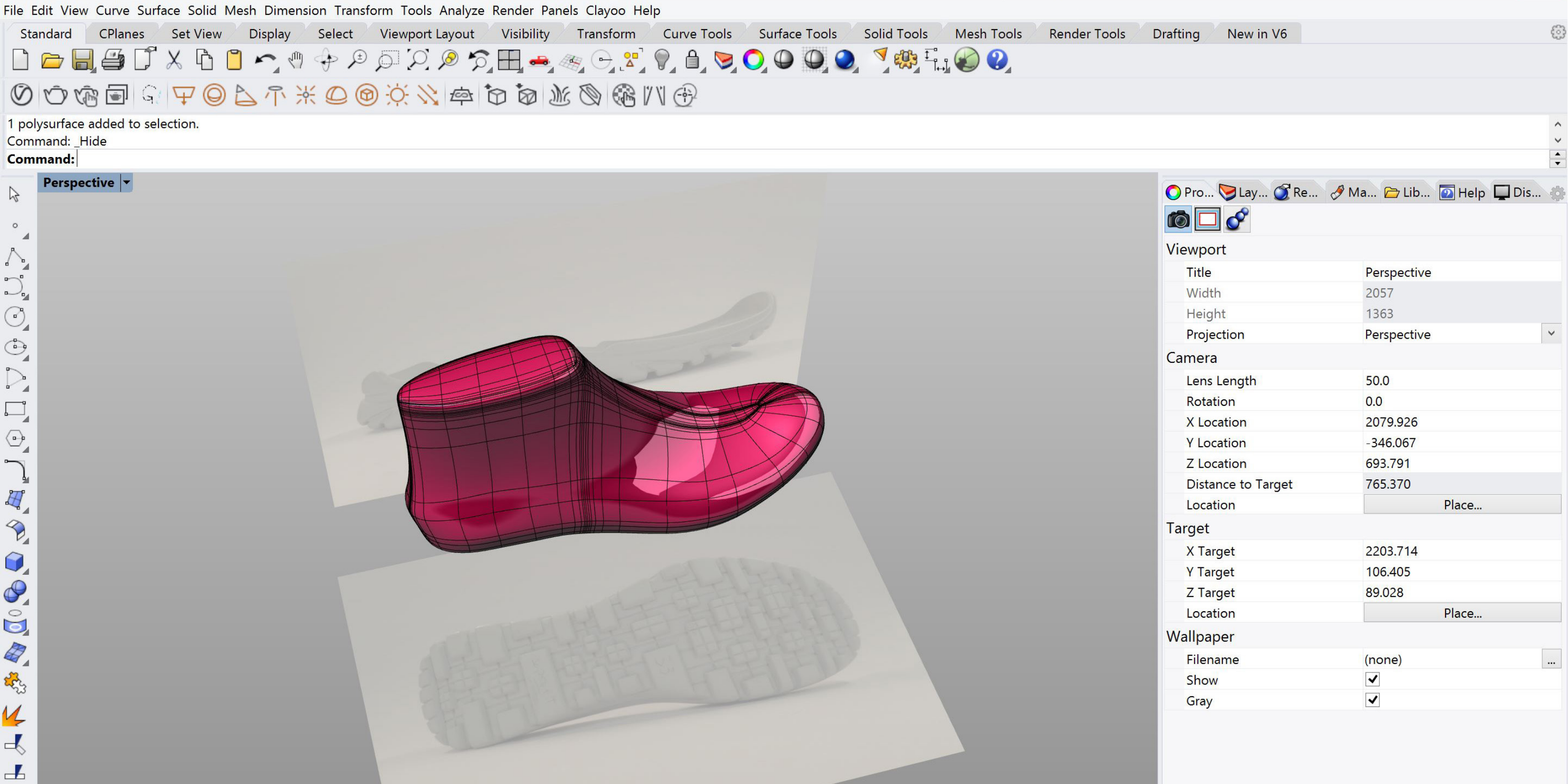
Graz , Austria













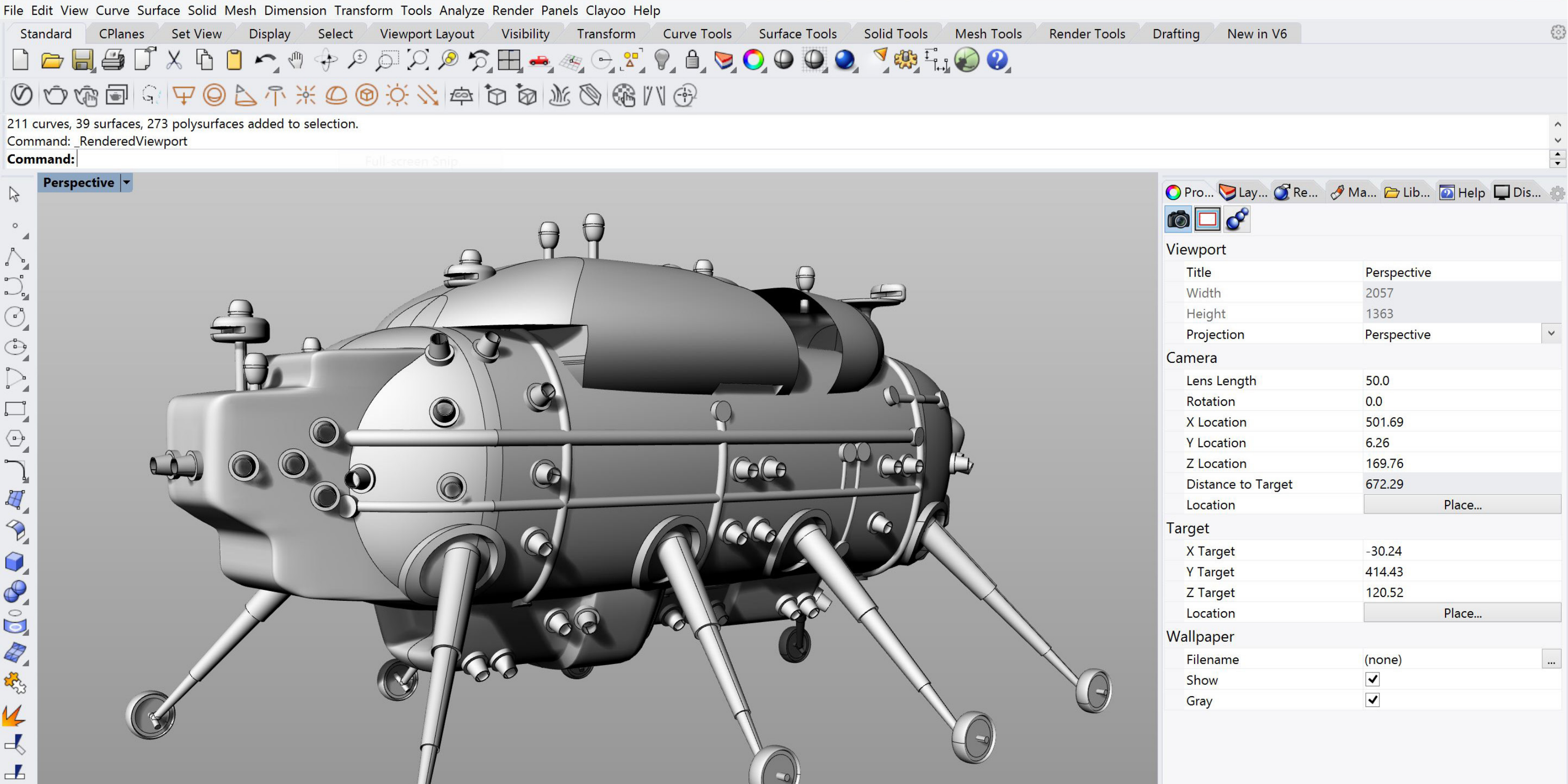
## Walking City

MIT - Massachusetts Institute of Technology

Cambridge . USA







211 curves, 39 surfaces, 273 polysurfaces added to selection.

Command: \_RenderedViewport

Command:

Full-screen Snip

Perspective



Viewport

Title	Perspective
Width	2057
Height	1363
Projection	Perspective

Camera

Lens Length	50.0
Rotation	0.0
X Location	501.69
Y Location	6.26
Z Location	169.76
Distance to Target	672.29
Location	Place...

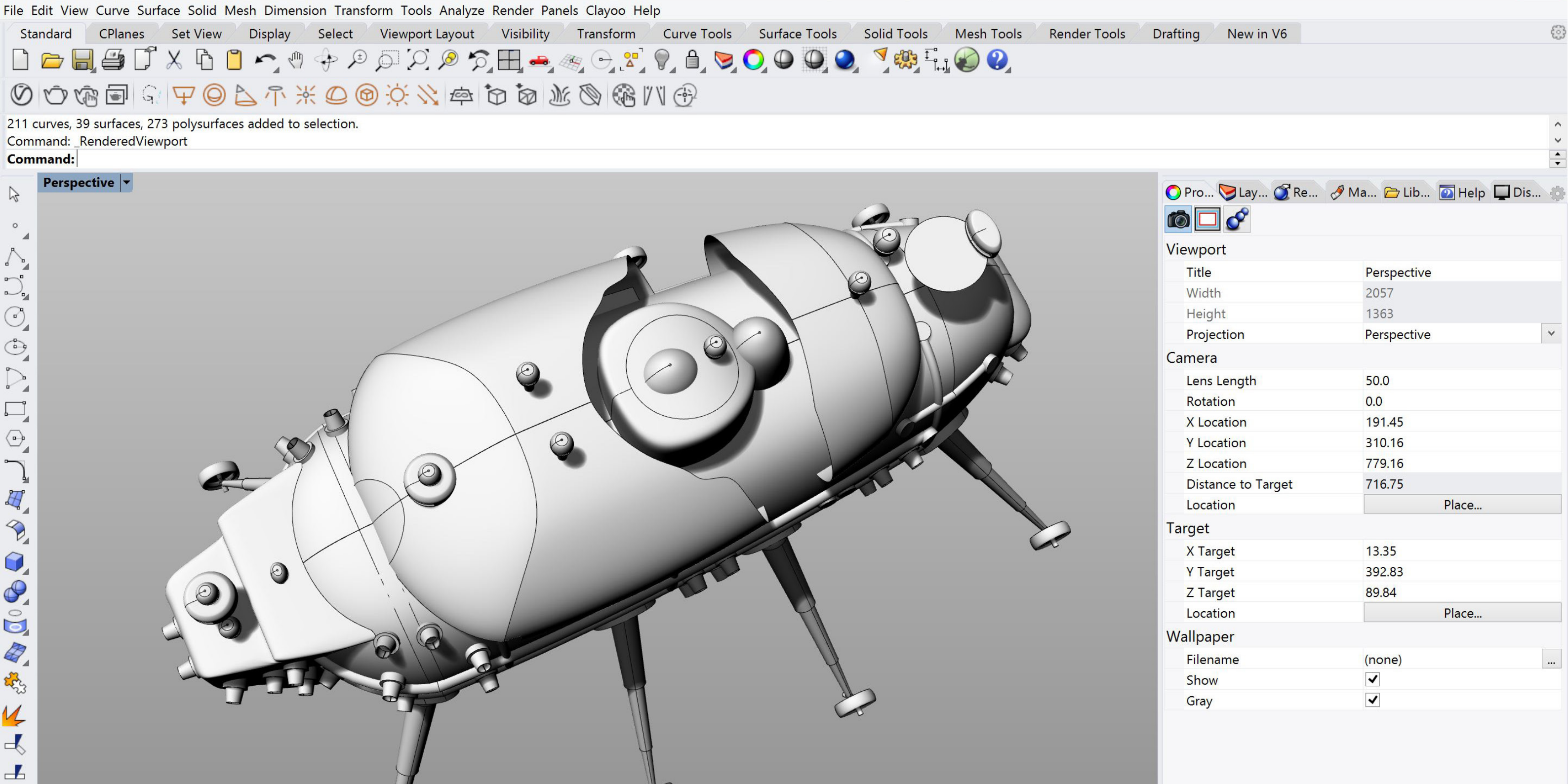
Target

X Target	-30.24
Y Target	414.43
Z Target	120.52
Location	Place...

Wallpaper

Filename	(none)
Show	<input checked="" type="checkbox"/>
Gray	<input checked="" type="checkbox"/>





211 curves, 39 surfaces, 273 polysurfaces added to selection.

Command: \_RenderedViewport

Command:

Perspective

Pro... Lay... Re... Ma... Lib... Help Dis...



### Viewport

Title	Perspective
Width	2057
Height	1363
Projection	Perspective

### Camera

Lens Length	50.0
Rotation	0.0
X Location	191.45
Y Location	310.16
Z Location	779.16
Distance to Target	716.75
Location	Place...

### Target

X Target	13.35
Y Target	392.83
Z Target	89.84
Location	Place...

### Wallpaper

Filename	(none)
Show	<input checked="" type="checkbox"/>
Gray	<input checked="" type="checkbox"/>