

Александр Петров

Данные OpenStreetMap в приложениях и сервисах архитектурной визуализации

CADMAPPER.COM

Instant CAD models of any location on Earth.

Architects and urban planners use Cadmapper to save hours of routine drawing. It transforms data from public sources such as OpenStreetMap, NASA, and USGS into neatly organized CAD files.

It's **free** for areas up to 1 km² and [over 200 whole city DXF files](#).

07/2017 Added support for Rhino 3DM files and solid geometries.

12/2016 SketchUp models are accurately geo-referenced.

08/2016 Added support for SketchUp versions 8 to 2016.

08/2016 Added topography contour lines option.



Compatible with:



AutoCAD 2010+



SketchUp 8+



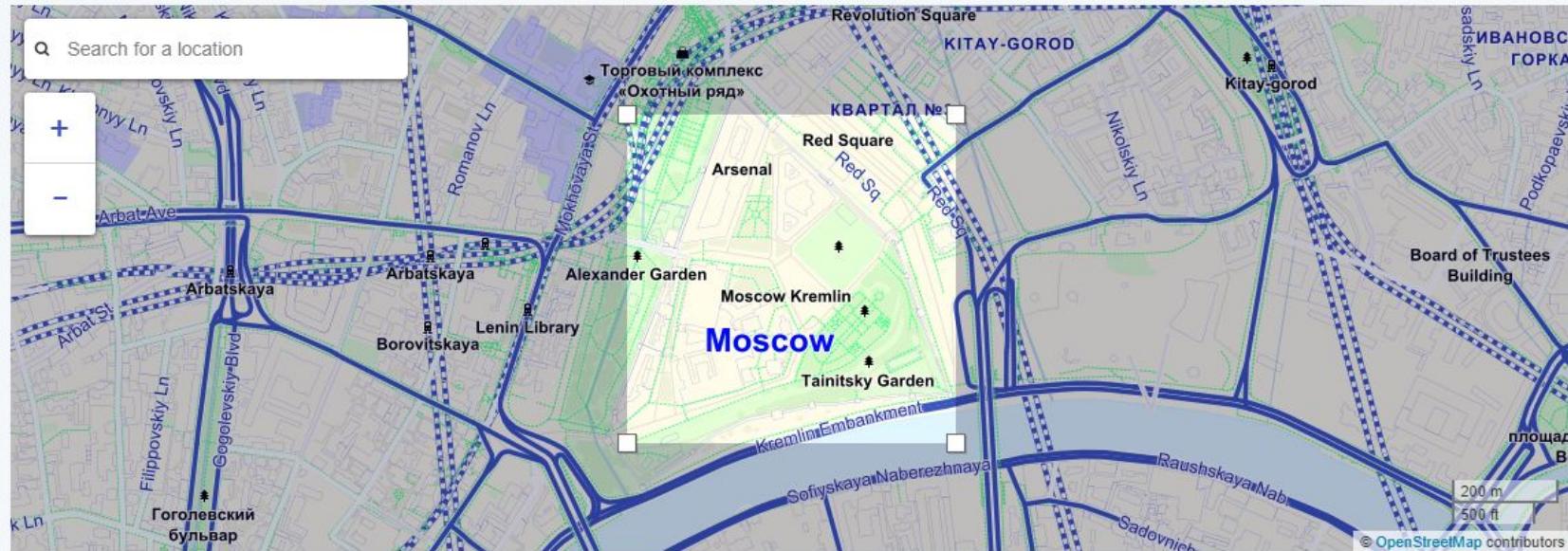
Rhinoceros 5+



Illustrator

Get started creating a file →

Create New File



Select your CAD program:

SketchUp 2016

Create roads as:

centerlines

3D Buildings (where data available)

HEIGHTS

False height for buildings without data

Free File

Up to 1 km²

0.42/1 km²

Purchase File

1 - 64 km²

0.42/64 m²

Create File

Preview File

[← Back to Create New File](#)

SKP file near Moscow, Moscow, RU

[3D Axonometric View](#)

[Terrain View](#)

[2D View](#)



3D height information is not available for all buildings.

The preview above shows the complete contents of the SKP file.

Version: SketchUp 2016

Area: 0,745 km²

Projection: zone: 37, easting: 412849.23, northing: 6178871.44

Buildings: 142 total : 48 with height data (33%)

Topography: Data included

Settings: Road centerlines, Extruded buildings, Topography mesh, 10 meter contours

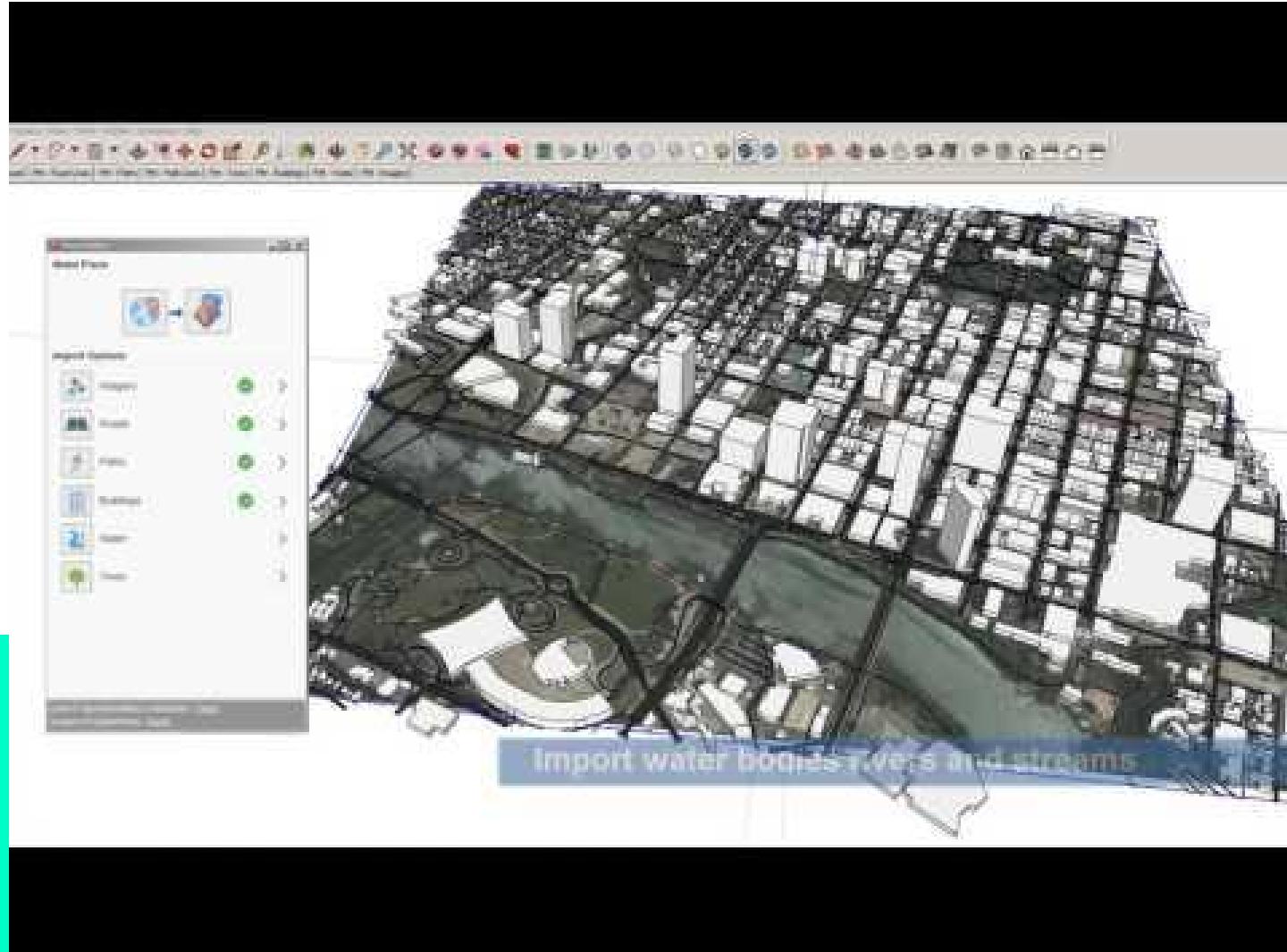
[Free File](#)

[Download \(2.08 MB\)](#)

This file will be available for 1 week from creation. Please store your downloads in a safe place.

Need help, or can't open this file?

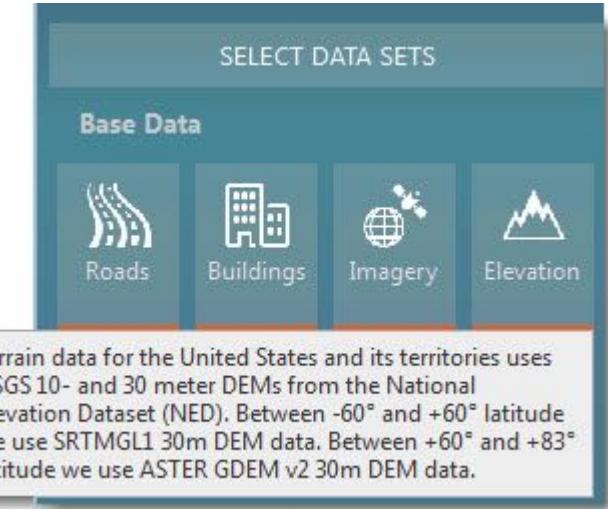
PLACEMAKER FOR SKETCHUP

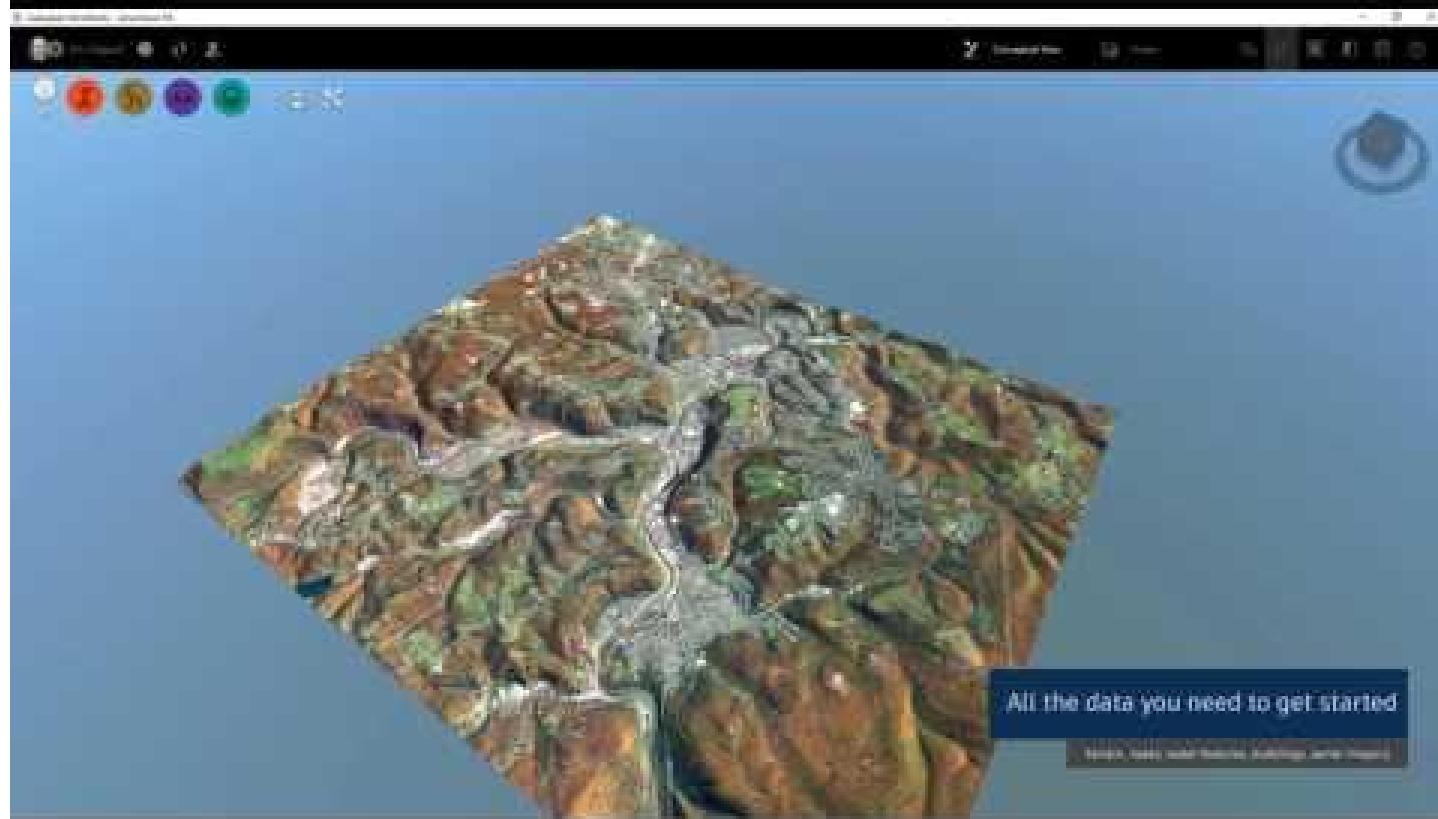


AUTODESK INFRAWORKS

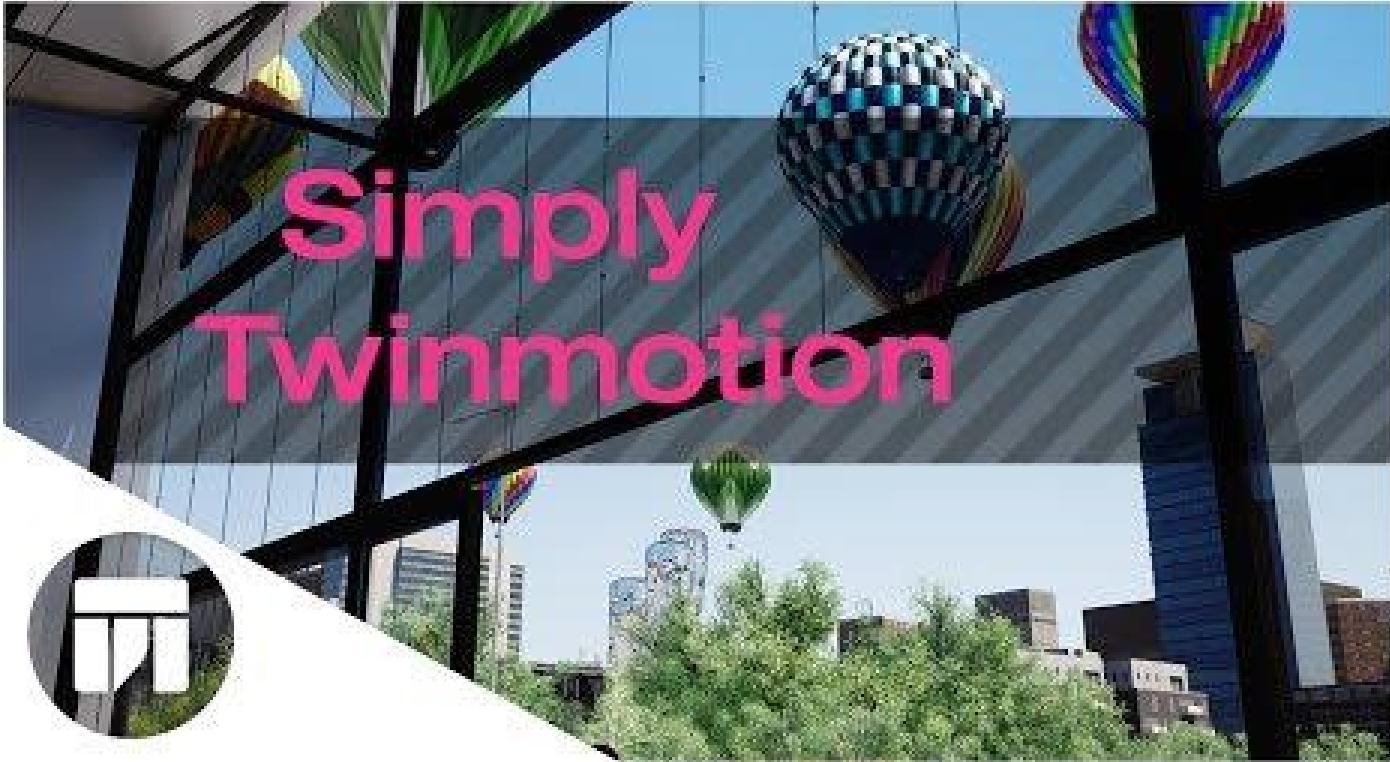
MODEL BUILDER DATA SOURCES

- Global terrain data is available in 10- and 30 meter DEMs depending on the geographic location of your area of interest.
- OpenStreetMap's Highway and Railway datasets are used to create roads and railways features in the model.
- Buildings data comes from OpenStreetMap as well.
- Microsoft ® Bing Maps imagery is draped over the model terrain.





TWINMOTION



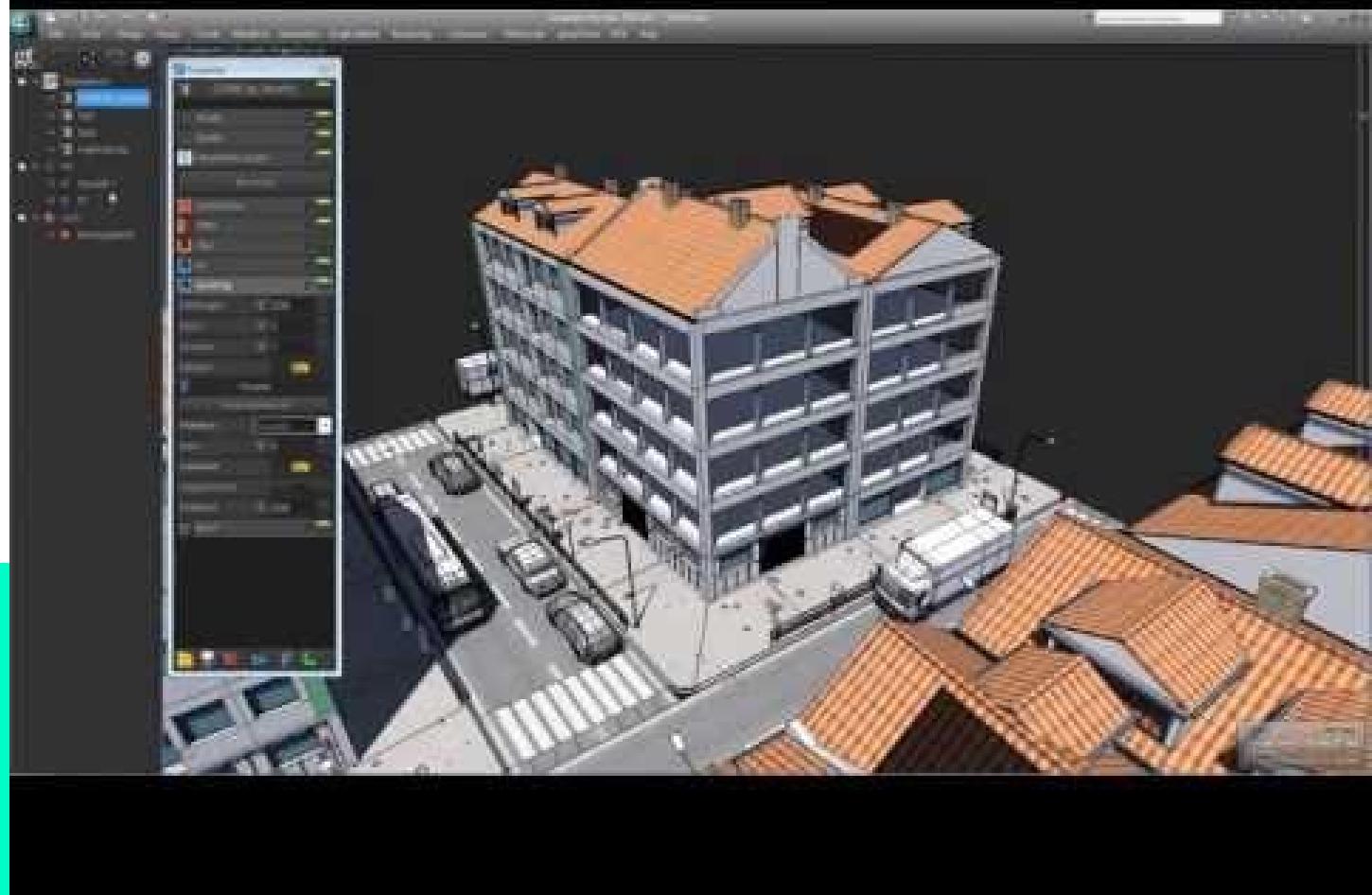
LUMION 3D



ESRI CITYENGINE

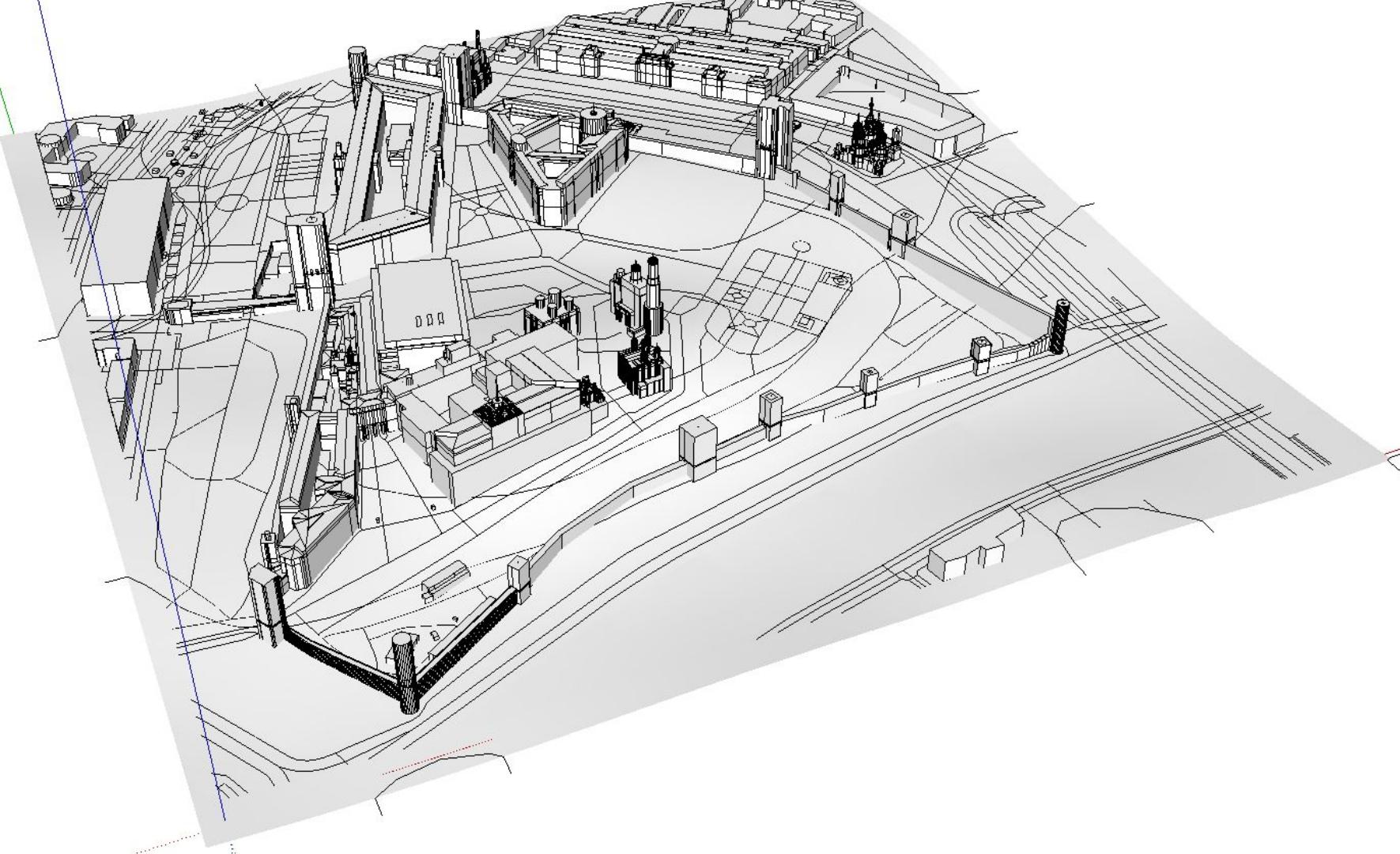


GHOST TOWN FOR 3DS MAX



Ожидание - реальность









Import Options



Imagery



Roads



Paths



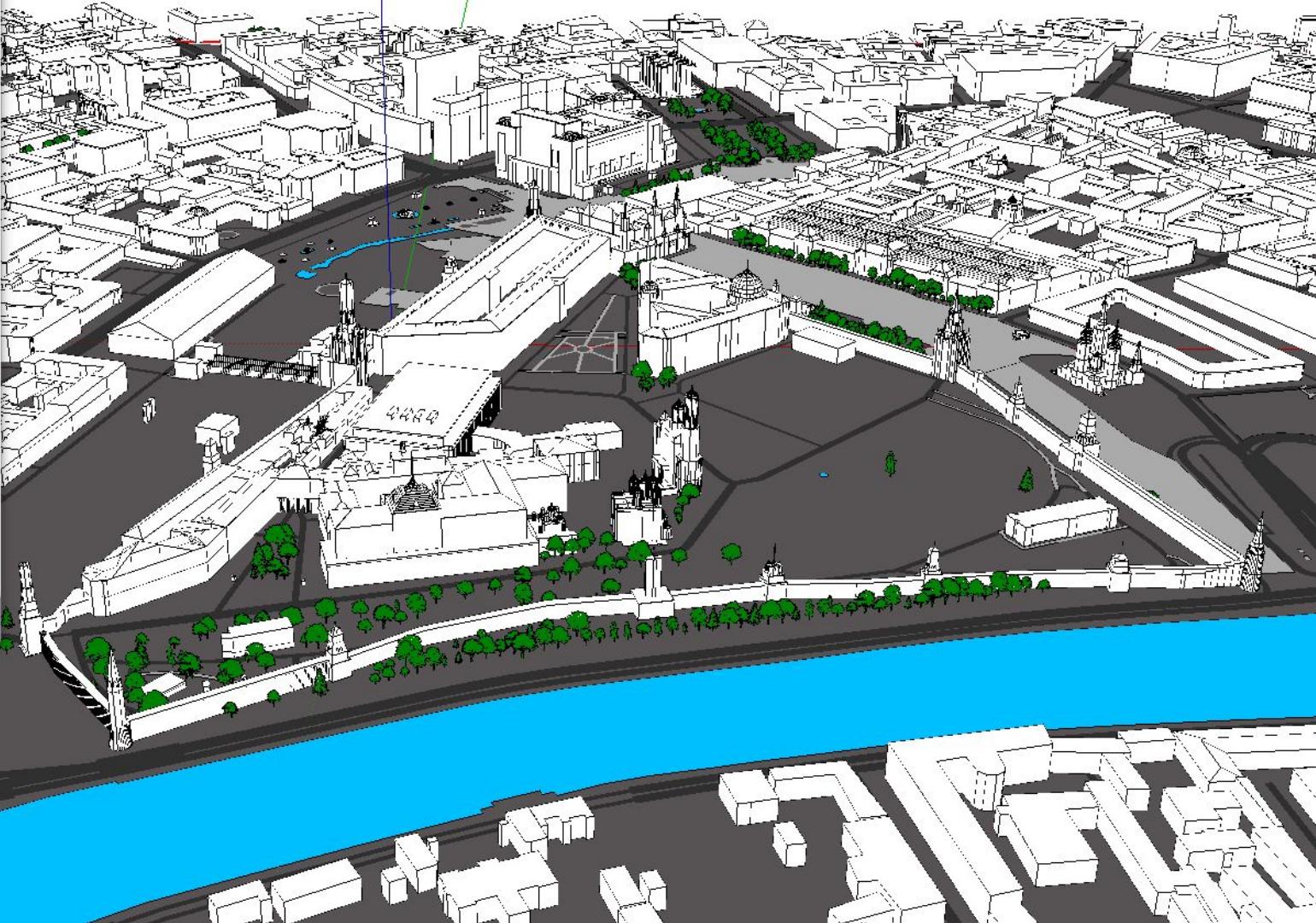
Buildings



Water



Trees



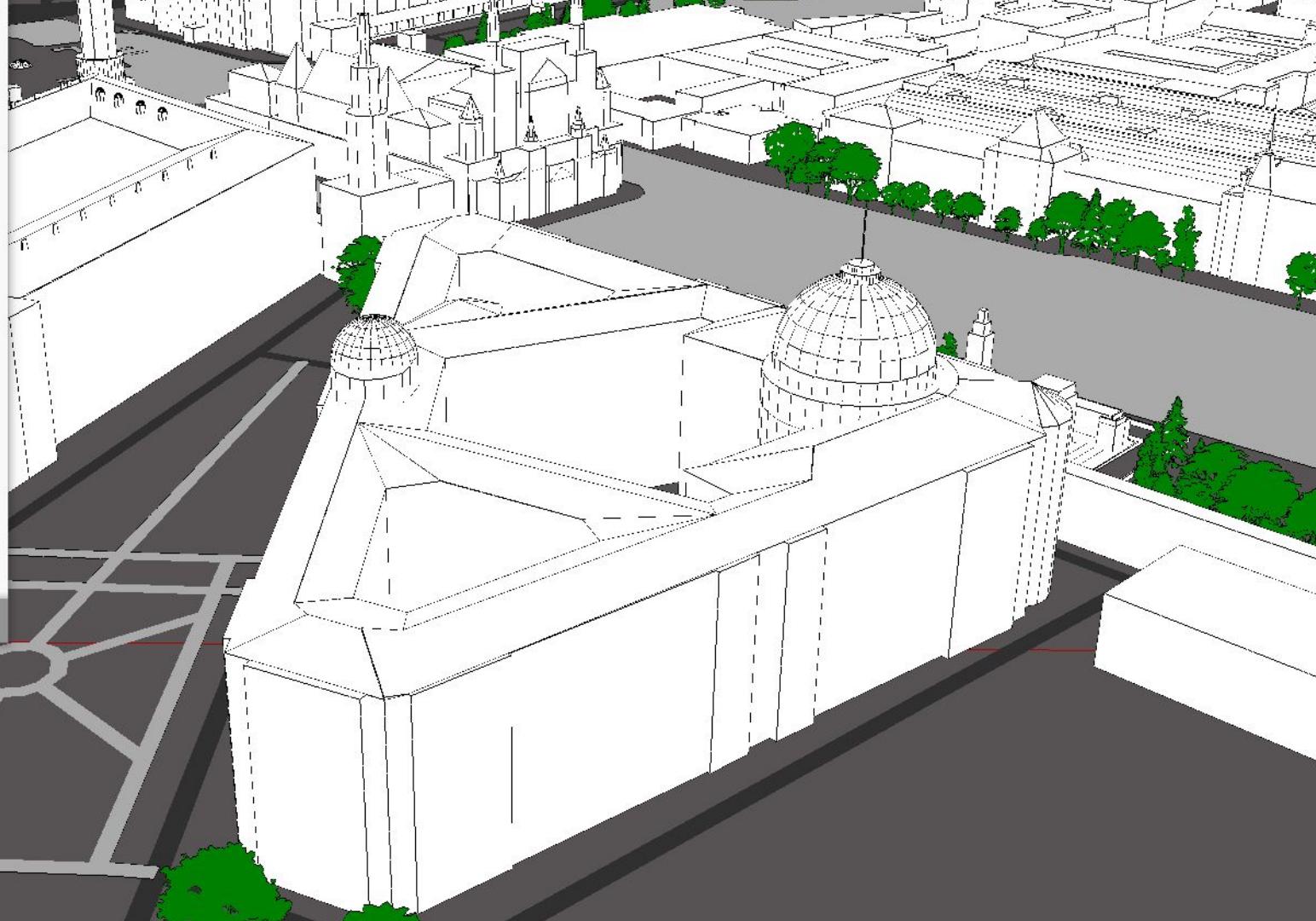
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Imagery © DigitalGlobe -[Terms](#)



Import Options

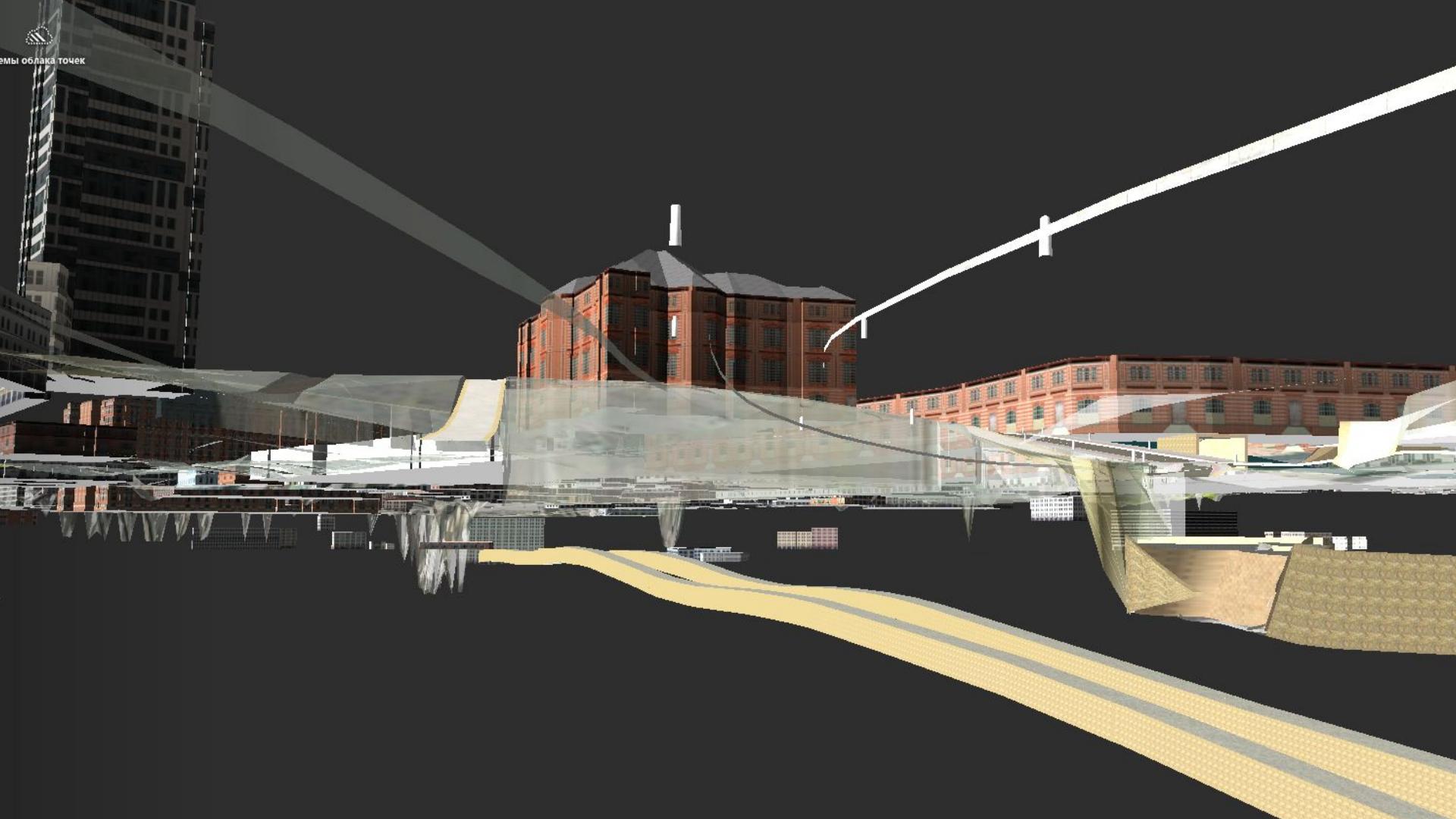
- Imagery >
- Roads > ✓
- Paths > ✓
- Buildings > ✓
- Water > ✓
- Trees > ✓

Data © OpenStreetMap contributors -[Terms](#)Imagery © DigitalGlobe -[Terms](#)





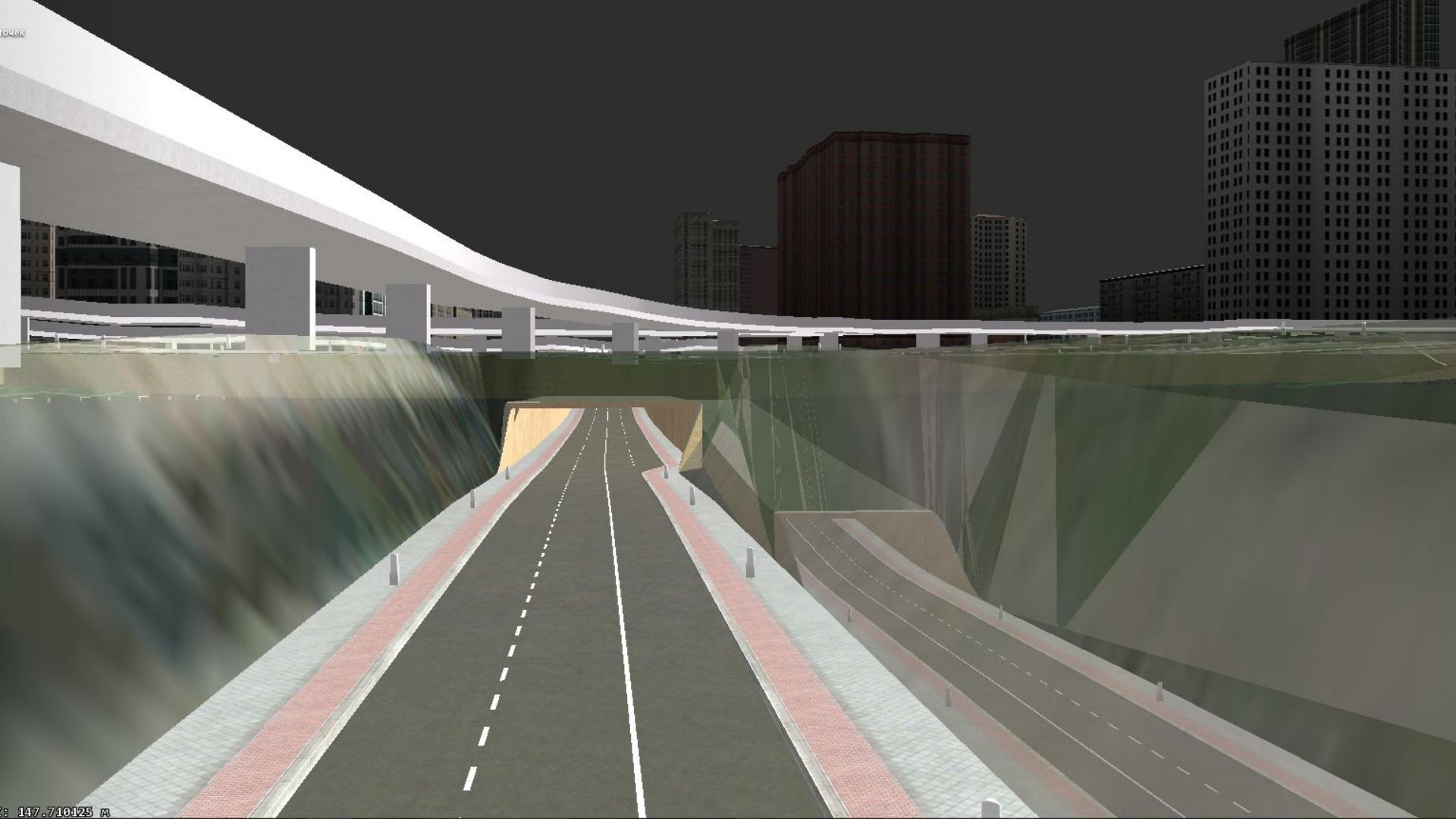




МЕМЫ ОБЛАКА ТОЧЕК







точек
147.710425 М

точек

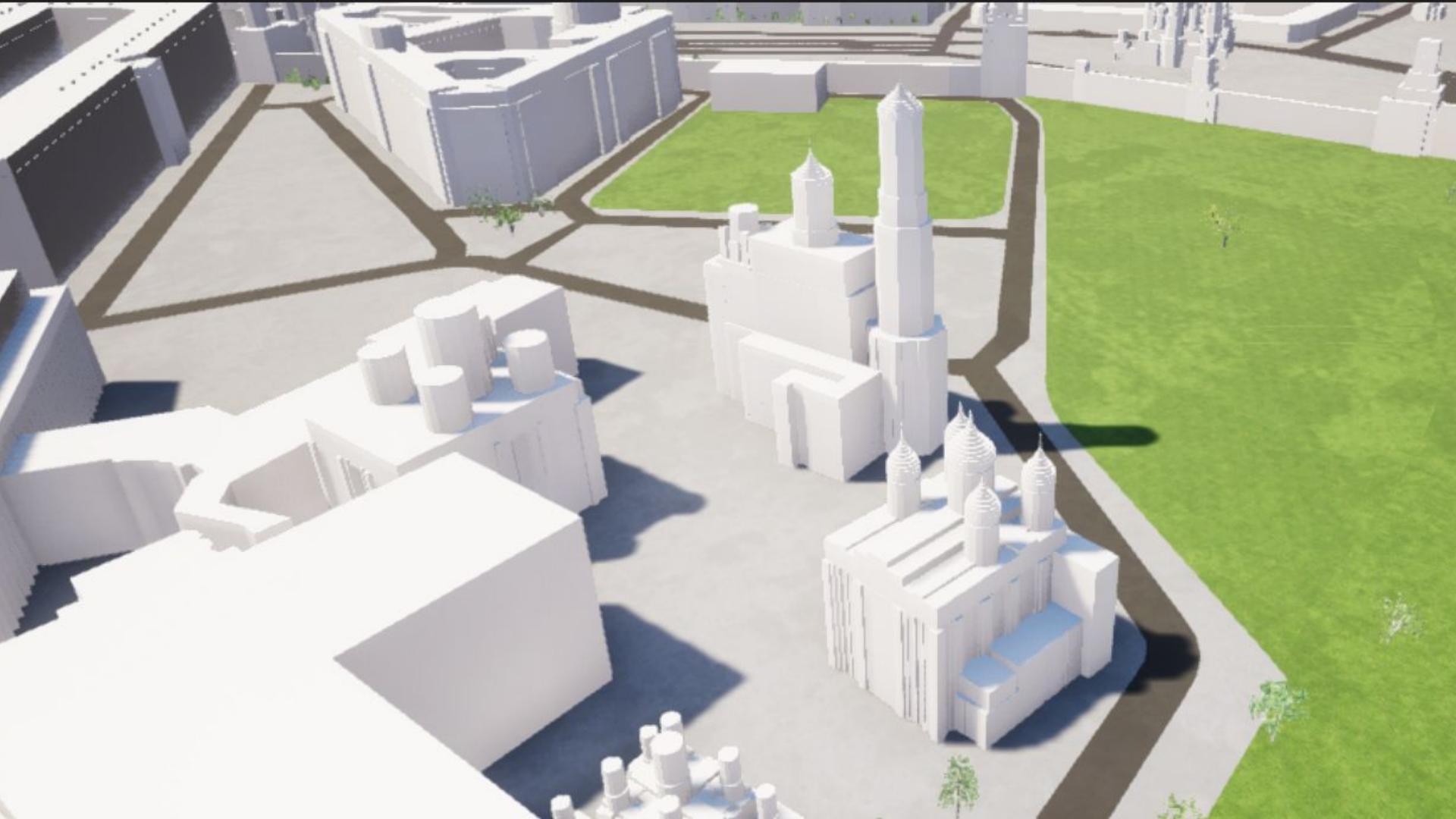








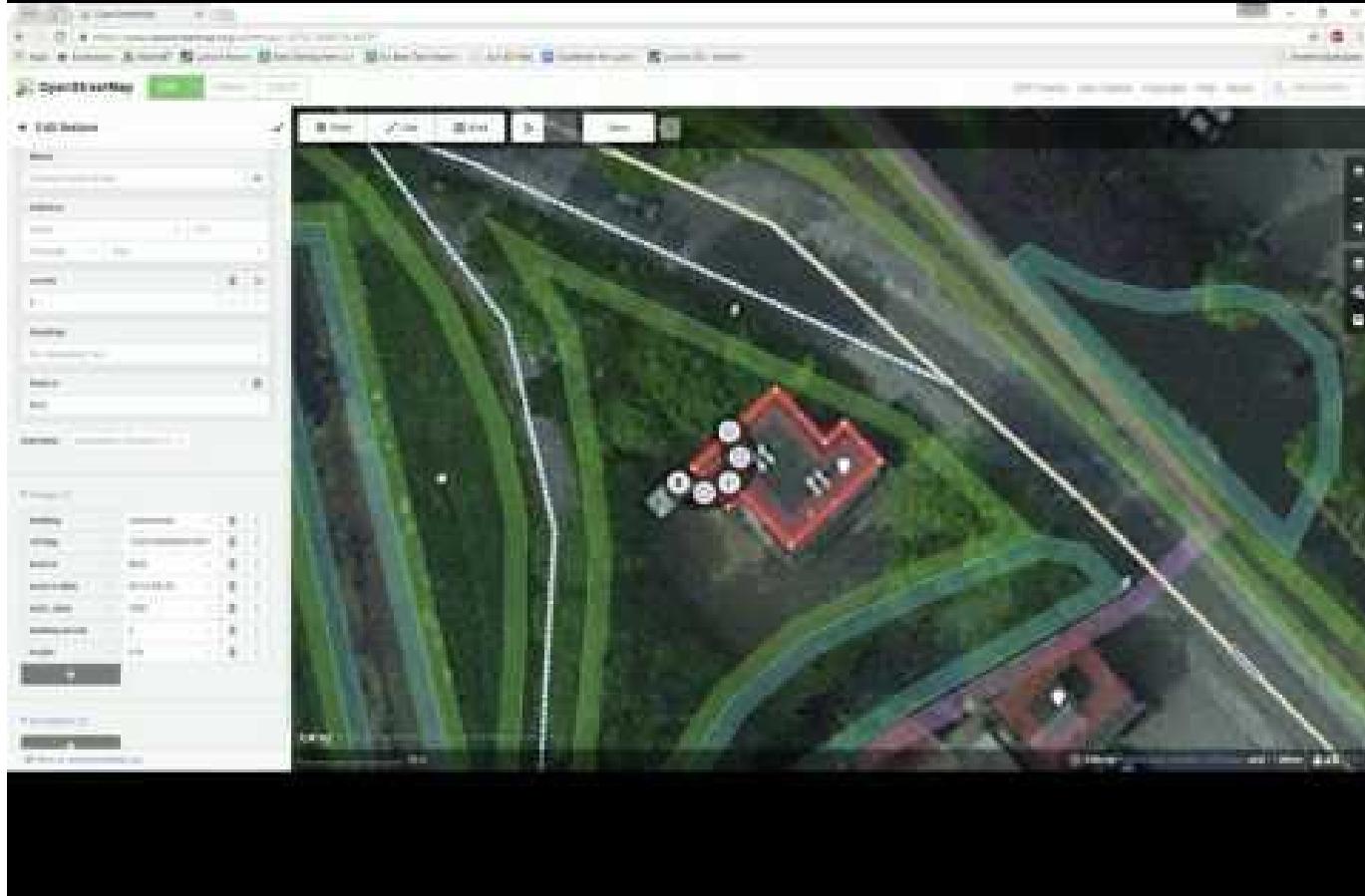












Выводы?

Их нет.

Спасибо за внимание