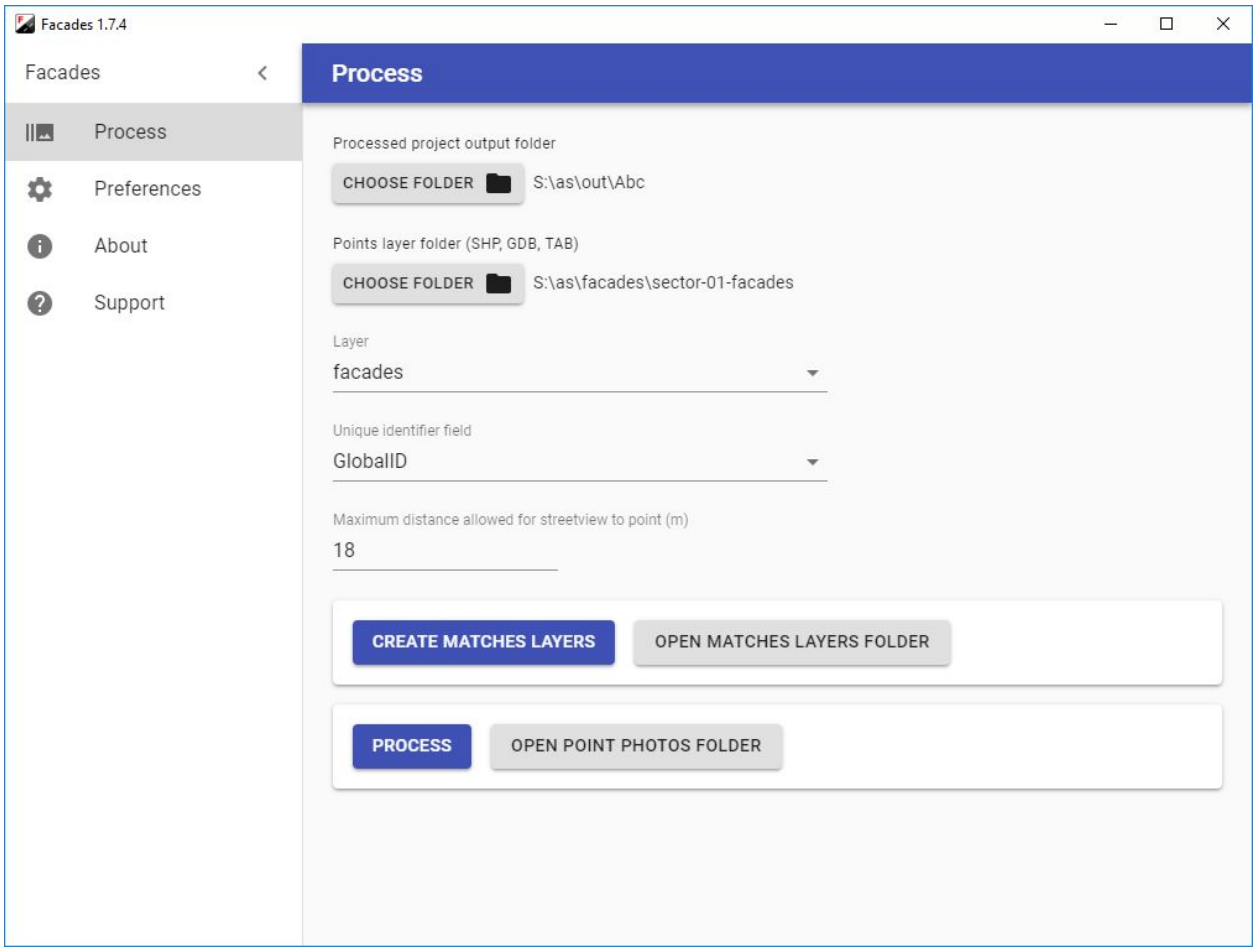
APPLIEDSTREETVIEW

Facades

Manual
version 1.7.4



Version: 2019-01-21

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Overview

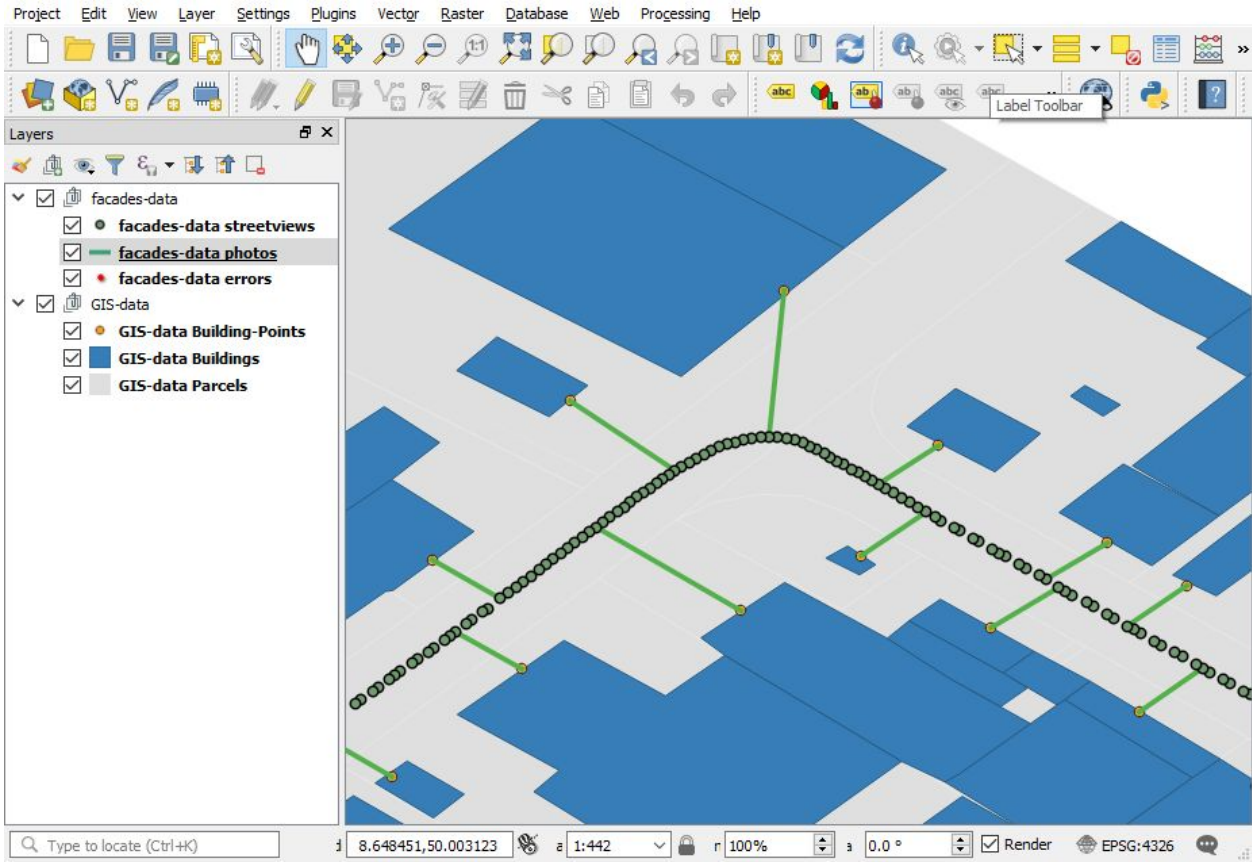
The **Facades** program creates photos from your streetview recordings. These photos then can be used in any online or offline documentation, without the needs for a streetview player.

Facades automatically matches a large number of streetviews to a layer of point coordinates (Lat/Lon) from a GIS program like ArcGIS or the free QGIS.

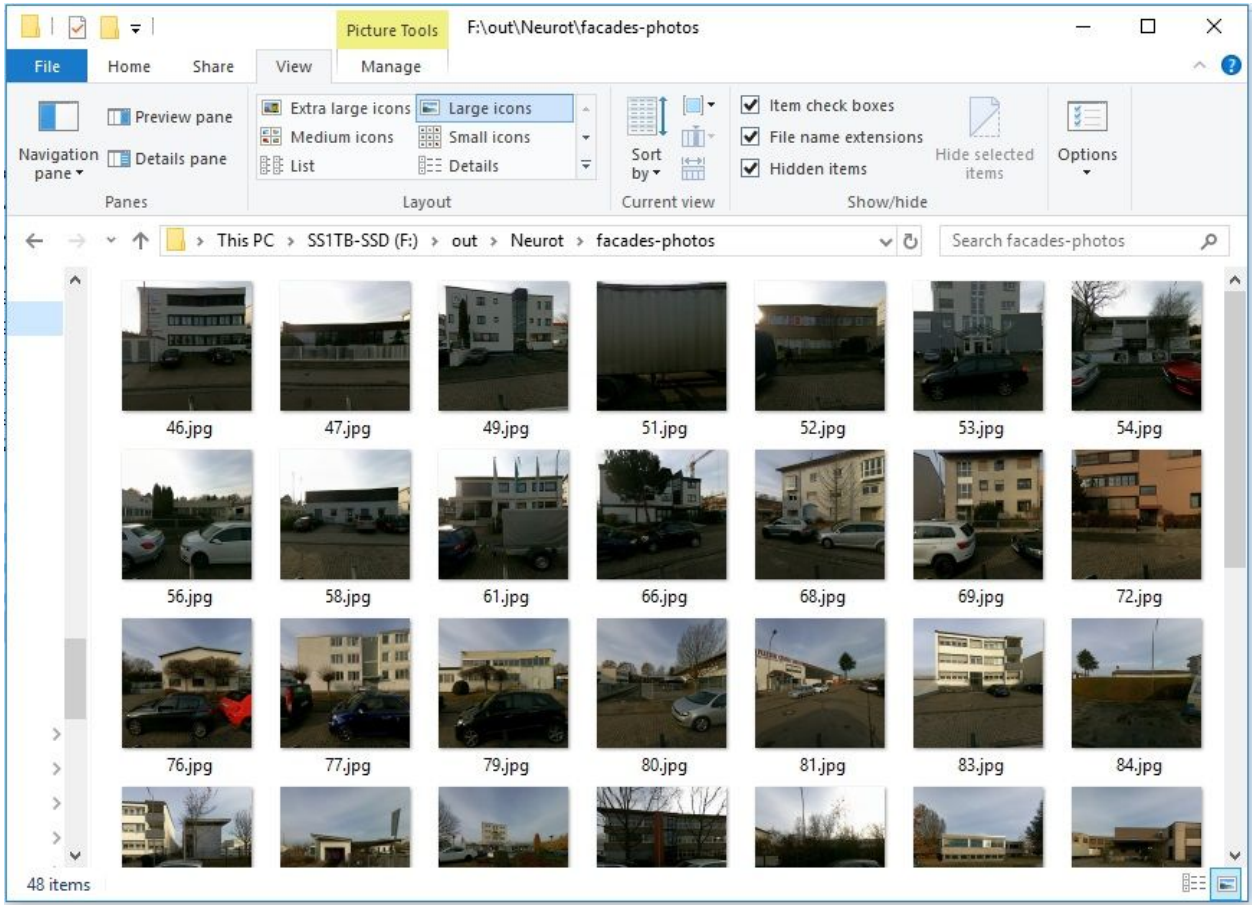
It then creates photos from the matched streetview, looking at the points, for example building facades. The photos are names after the points.

For the point coordinates (Lat/Lon) point layer data in SHP, GDB and TAB formats are accepted.

QGIS screenshot



File Manager screenshot



Recommended Hardware

- 64-bit Windows 10 PC
- NVIDIA GTX 1080 graphics card with 8GB VRAM
- 16GB RAM
- 250GB SATA SSD for Windows
- 2TB HDD for the data

Performance:
Approx. 250.000 photos in 24 hours.

Downloads

Programs

Creator 3
http://www.applied-streetview.com/creator/

Facades
http://www.applied-streetview.com/facades

Data

Creator project backup (439 kB)
http://aplsv-new.s3.amazonaws.com/Facades-Demo/out/Neurot-20181207-154915-Creator.backup

Creator output for Facades. (800 kB)
http://aplsv-new.s3.amazonaws.com/Facades-Demo/out/Neurot.zip

GIS data for our recording area. (58 kB)
http://aplsv-new.s3.amazonaws.com/Facades-Demo/Neurot-GIS.zip

Recordings (3.38 GB)
http://aplsv-new.s3.amazonaws.com/Facades-Demo/in/Neurot.zip

This Manual

This Manual is available as a .pdf file from the Facades program menu **About - Manuals** and at: http://www.applied-streetview.com/facades

Workflow

The steps of the workflow in sequence:

Record

Record streetviews by car with the recording mode set to **Distance** and **1 meter**.
Preferably use RTK for best positioning accuracy.

Prepare a points layer

With your favorite GIS program (for example ArcGIS or QGIS) create a points layer for the places you would like to create photos for.
The resulting photos will be names after the points.

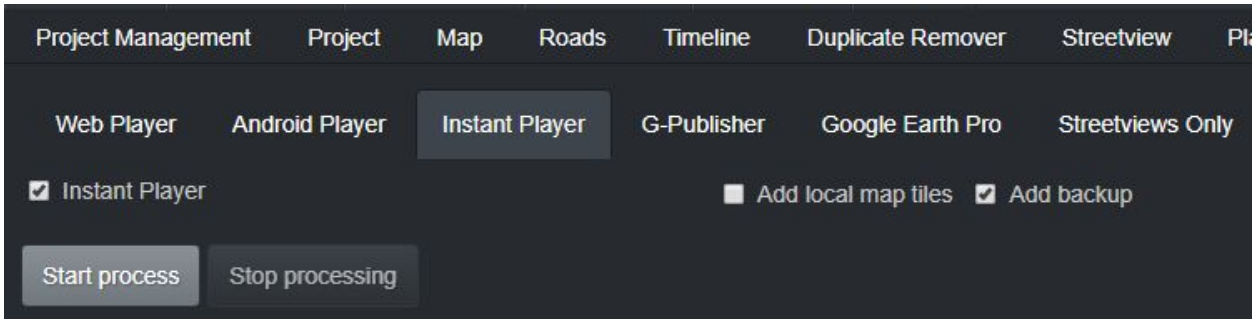
Supported formats:
SHP, GDB and TAB.

Creator

Configure the project as usual.

Minimum steps:

- Check the position of the streetviews.
  The positions of the streetviews must be accurate. Otherwise Facades will create pictures of the wrong buildings.
- Level.
- Consider watermarks or not. Watermarks will be visible in the photos.
- Generate data for the **Instant Player**.



  Click **Start processing**.

This should only need a few minutes even for very large projects.

Facades

Process

Select the **Processed projects output folder**.
Example: **F:\out\Neurot**

Select the **Point layers folder (SHP, GDB and TAB)**
The folder containing your points data from e.g. ArcGIS or QGIS.

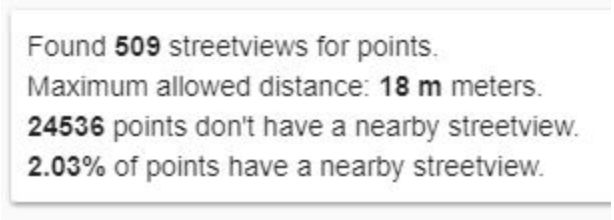
HINT:
The folder appears empty. The files are not shown. This is correct.
Select the folder and continue.

Maximum distance allowed between streetview and point (m)
Only streetviews inside this distance will be considered for a point.
Change this value for best result, depending on the geographic makeup of your project.

Click the **CREATE MATCHES LAYERS** button to generate three streetview layers for your GIS program:

- errors
- photos
- streetviews

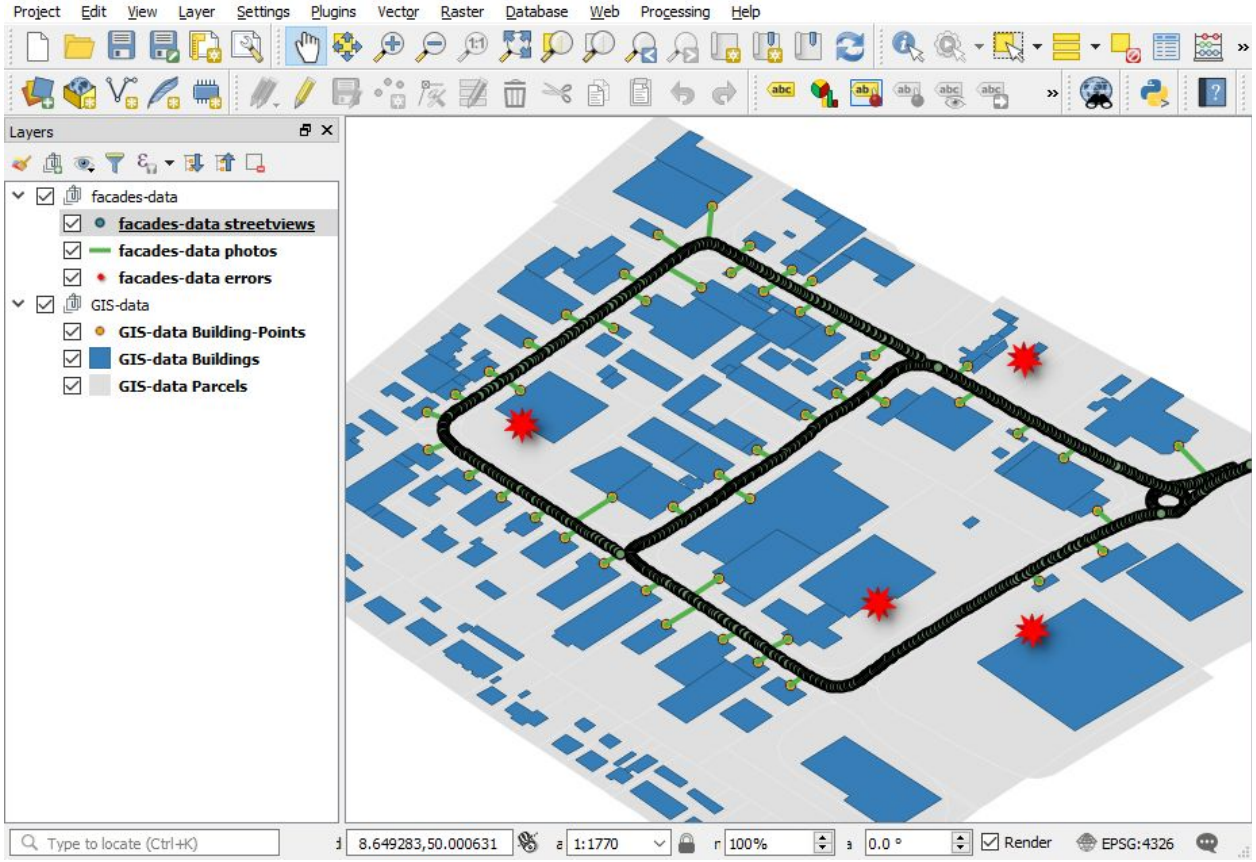
Statistics will be shown at the bottom of the Facades program.



Test with different distances and **check the results** with your GIS program before continuing.

Review

Click the **OPEN MATCHES LAYERS FOLDER** button.
Drag and drop the **facades-data** folder to e.g. QGIS for review it together with your GIS data:



Yellow: Your points. E.g. buildings.
Green lines: Matched streetviews
Red stars: Errors. The distance value was to small. Increase and try again.

Process

Click the **PROCESS** button.

A progress bar should appear for **Creating streetviews.**
After that, another progress bar appears for **Creating point photos.**

When done click the **OPEN POINT PHOTOS FOLDER** button.

Using the results

The photos are named after the points.
This makes using this photos very easy.

Support

Please update first.
Support is provided for the newest Facades release only.
Maybe your problem has already been solved?

Check
http://www.applied-streetview.com/facades/
for a new release.

Contact
Support is available in English.

Helpdesk: support.applied-streetview.com
E-Mail: support@applied-streetview.com
Skype ID: applied-streetview
Phone: +49 6103 - 372 7494

Consulting

We are available for hire for consulting.

Please contact:
E-Mail: jan.martin@applied-streetview.com
Skype ID: applied-streetview
Phone: +49 6103 - 372 7494

