

Instructions photo upload Windplanner

The purpose of this document is an instruction about how to use the photo upload in Windplanner. With photo upload you can use your own spherical panoramic images and position them quickly and accurately.

Request photo upload

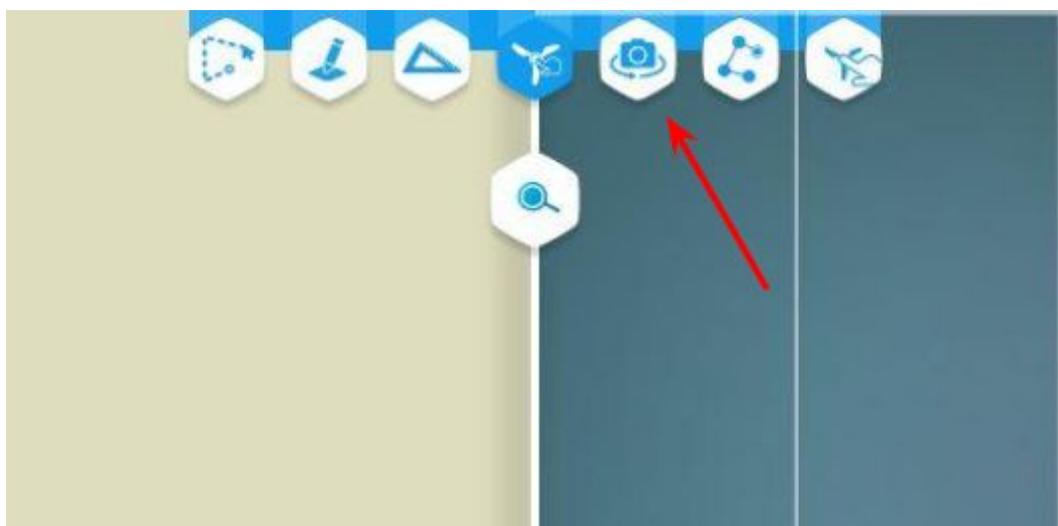
In addition to photo upload, you can request a photo using this link:

<https://windplanner.com/request/>.

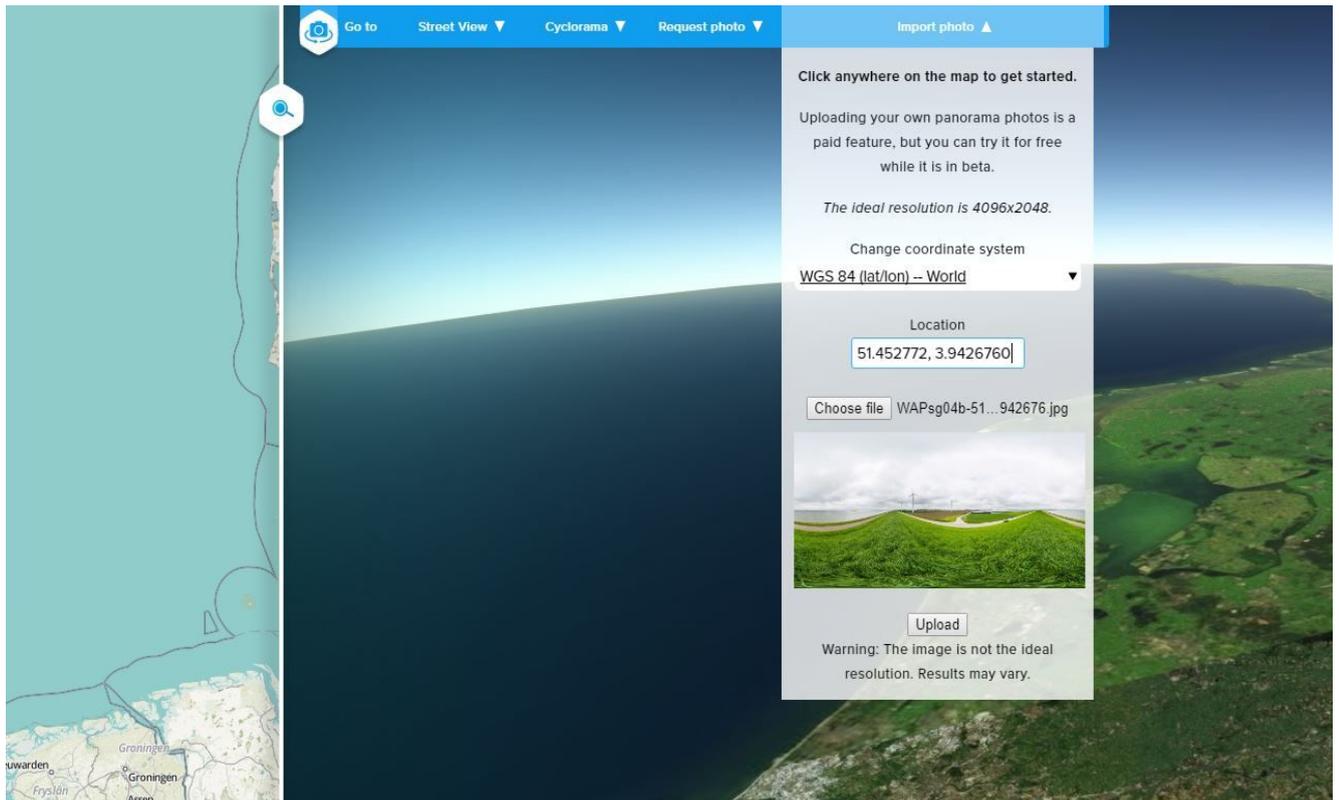
Our photographer will take high quality spherical panorama pictures of the location according to your needs. This offer includes stitching, colour editing, uploading and full alignment within the 3D world of Windplanner.

Instructions how to use the photo upload in Windplanner

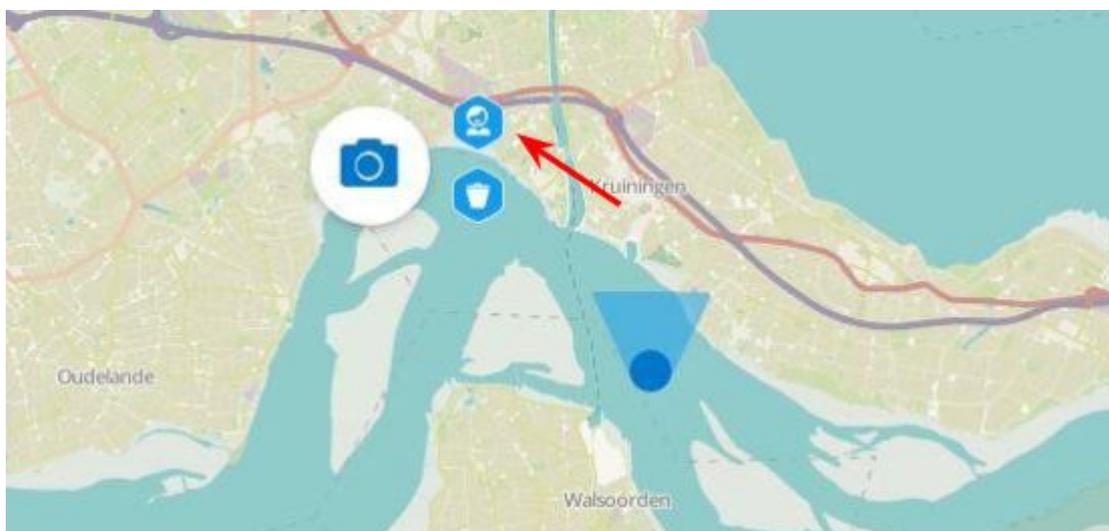
1. First you have to take a picture at the preferred location. The ideal resolution is 4096 x 2048, the ideal image format is .jpeg and the maximum size is 10 MB. We suggest a size between 4 and 5 MB.
2. Write down the exact coordinates of the location where you took the picture.
3. Start the Windplanner application.



4. Click on “Enter spherical panorama” button, see picture above.
5. You see different options: Street View, Cyclorama, Request photo and Import photo. Click on “Import photo”. Follow the instructions on the screen by clicking somewhere on the map.
6. Select the coordinate system of your choice and type in the coordinates in the location box. Use a comma as separator between the values. See picture below.

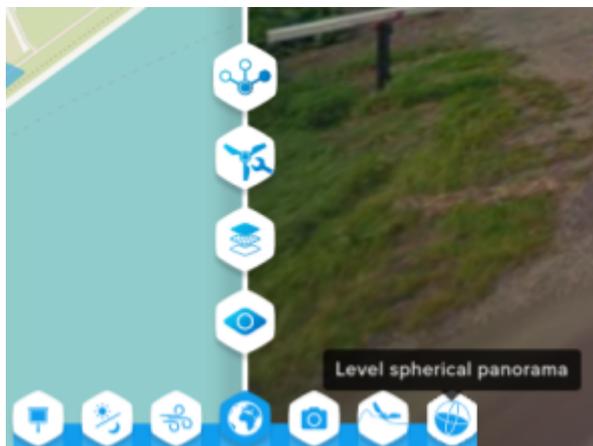


7. Select the file you want to upload, a small preview of the picture will be shown.
8. Now you are ready to upload the file by clicking on the Upload button.
9. When Windplanner uploaded the file successfully, a little camera icon appears on your map. This could take a few seconds, depending on the speed of your internet connection and the image size.
10. Click on the camera icon, a white circle around the camera icon will appear and a menu pops up. Then click on “Enter panorama” see picture below. The panorama photo will now be loaded and shown on the right side of the screen.



The following steps are important to make sure your photo will match to the 3D world and is aligned to the horizon. We will describe how to use the transparency button and how to correct your photo to the 3D world. With the rotation and correction you make sure that your photo is on the same point of the wind as the 3D world.

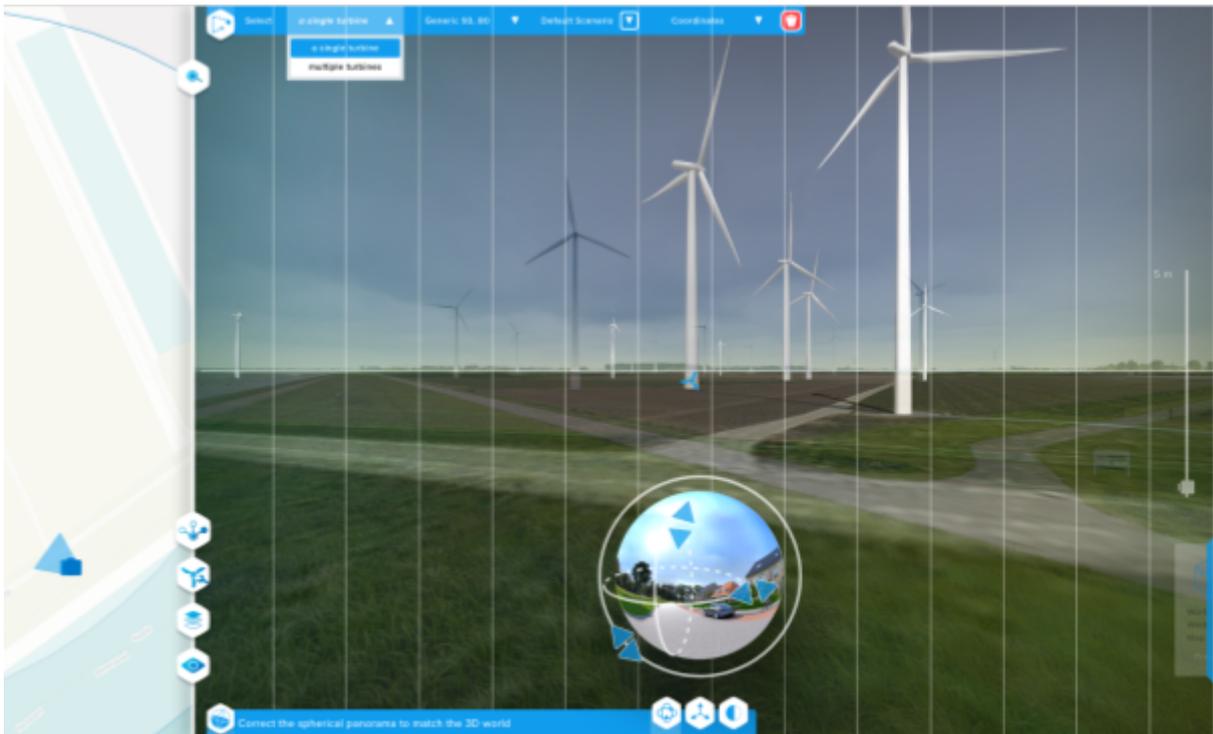
11. Click on the “World Globe” button and then click on “Level Spherical Panorama”. See picture below.



12. Below you can see the picture is not aligned with the horizon of the 3D world. The first thing to do is change the transparency. You can easily change the degree of transparency with the left and right arrows. With the left arrow you make the 3D world more visible, with the right arrow you make your picture more visible.



13. When the transparency is fine (you see both your picture and the 3D world) you can now correct the horizon with the first button (rotation button). Suggestion before aligning: find some reference points like roads or houses. Some little help to find a reference point, see picture below. With the blue line in the 2D map on the left side of the screenshot you can easily find a reference point, for instance a house. The white circle on the right side of the screen (see red arrow) matches exactly the direction of the blue line. To sum up: The blue line in the 2d map is pointing to a house. The white circle in the 3d map shows you to which house the blue line points.



14. Now you can correct the spherical panorama to match with the 3D world. You can correct the spherical panorama with the first button (rotation button). In the screen above you can see 6 arrows to rotate the photo. Make sure your photo is aligned with the horizon. In the picture above, the horizon of the picture matches the horizon of the 3D world. However, the roads do not match yet. So the picture must be rotated slightly. In the picture below you can see the photo matches with the 3D world. The middle button (position button), allows you to change the position of the photo. This button makes it easier for you to match the photo to the 3D world.



15. Now the alignment is complete and you can start with placing your wind turbines.
Good luck!

If you need further instructions, you can call us at: +31 (0)515 439 230
Or send us an email: support@windplanner.com