EMD webinar:

EMD International A/S

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ZVI and Photomontage News in windPRO 3.0 03/03-2015

Questions submitted during the webinars

Questions	Answers
Is it possible to render the turbines (with no background) in an isolated layer for post processing in PS?	As it is now in WindPRO, it is not possible to have a layer exported to Photoshop with only the turbines. It can still be done easily (and nicely) in Photoshop as it is demonstrated in the first video available from the Post processing tab of the camera object or from this link: https://www.youtube.com/watch?v=wAr3kUty5H8 (approx. 5 minutes into the video). But we will consider this feature for the next version if this becomes a frequent request.
Does it also function with GIMP?	Yes. It would work with any image editor that reads Photoshop PSD files, like e.g. GIMP and Paint Shop Pro. To open the file from within windPRO, *.psd file extension must be associated with the desired program in Windows, else the file must be loaded manually. GIMP has many of the same features as Photoshop, and it is free, but it may not be as user-friendly.
How do you use compare layers?	Once two calculations are available in a result layer, right click in the result layer window and pick "Create compare layer". It is then possible to define whether the layers should be subtracted or divided to each other. For more information, please have a look page 139 of http://help.emd.dk/knowledgebase/content/WindPRO2.9/02-UK_WindPRO2.9_BASIS.pdf
How does Post Processing work with animation?	The post processing with Photoshop for instance is not compatible with the Animation module of WindPRO. The animation is created in WindPRO from the rendered images, including the rubbed areas made in WindPRO, but the output from Photoshop cannot be used by WindPRO for animations.
What is the new truncate FOV option?	At the bottom of the Post processing tab of the camera object, you will find the option to truncate the photomontage to a given horizontal and vertical field of view. This is a requirement in some countries and has the advantage generally speaking, to standardize the photomontage output so that they can be compared. The truncated image can be seen with the blue rectangle and it is eventually "cropped" while saving (disc icon). It is also possible with this option to calculate the ratio of the turbine size to the total height of the picture (making use of the value calculated by the vertical or horizontal subtended angles in ZVI).
Is it possible to include obstacle in the subtended angle calculation?	Yes, any obstacle with a porosity of 0,3 and below will be included in the subtended angle calculations.

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Why are text objects ("balloon text") which are situated at the edge of a photomontage not fully displayed in the output picture, but rather cut off at the edge of the photo? Is there a possibility to avoid the cutting off of text objects in windPro 3.0? Regarding the options of the "balloon text" function: Is there a possibility to stretch only the lower part (tip) of the balloon without changing the upper (balloon) part respectively without scaling up the text? Because sometimes it´s necessary to have a clear view on the contents of the photo, without having them covered by the text objects (even if they are displayed without any background color). In that case it might be more suitable to let the text over higher above the ground, but in the same time it should point with the end of the tip to the object you want to name with the text object.	If the Balloon text is at the border of the photomontage, it might indeed not be fully shown when rendering. Changing the scale and writing the text on several lines might solve the issue. But i is unfortunately not possible in windPRO 3 to have the balloon to be scaled automatically. The tip of the balloon cannot be changed. As a work around you could use the label of the wind turbine. As you may know the label on the map of the wind turbine can indeed be shown on the photomontage if you check the option "Show maps label" on the right side of the photomontage window. You can then create a wind turbine with 0 m hub height and om rotor diameter. Still you would probably need a graphic program to achieve a best result, when it is matter a special labelling of elements of the photomontage.
How do you effectively setup the direction of the camera object?	If it is at the stage of creating the camera objects, the direction is by default pointing at the site center. If the photo has been taken with a Camera that has a compass, the direction might be included in the EXIF properties of the file and then comes automatically in windPRO. It is also possible to define the direction in excel. By copying the camera object from the list and pasting in excel, you can change the direction value manually in the Pan angle column. To insert the change back to WindPRO, just copy in excel the line(s) with data starting from the System label column until the FOV column (but do not include the header) and right click in the list in windPRO to choose the option Replace Object. This can be convenient if you have for instance several camera objects from the same point (like the different pictures of a panorama). In the case where you mean finding the direction for the calibration, it is only by having good control points (including the horizon line with sufficient elevation data that reach the horizon visible on the photo) that you can find the right direction (or PAN parameter, as it is called in the photomontage window). When necessary, it is possible to install control points in the landscape (big rulers) in order to create some control points.
What is the option "backup existing file when creating new" for?	When the post processing option is checked in the camera object, a post processing file will be created every time the render button is hit. So if the image has been post processed once in Photoshop for example, and because the default name is the same, WindPRO will create a backup of the psd file instead of overwriting it. Still, if the psd file has not been modified in Photoshop, WindPRO will overwrite it.

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Why is google street view not working for me?	Google street view has been updated since the release of WindPRO 3.0. These modifications in Google street view are unfortunately not compatible with the current version of WindPRO. The issue has been fixed as you can see in the demonstration and will be available in the service pack 1 (shortly coming).

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