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Augmented Reality Smart Glasses for Aerial Navigation and Automobile Driver Assistance providing Safety and Navigational Information in a Natural 3D Experience and Vision



Ákos Maróy Co-Founder

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Interview conducted by: Lynn Fosse, Senior Editor CEOCFO Magazine

CEOCFO: Mr. Maróy, what is the vision behind Aero Glass?

Mr. Maróy: The vision behind Aero Glass is that when we are navigating the outdoors, the experience should be the same as we naturally do in the 3D space. Instead, currently we are pretty tied to looking at all sorts of instruments and aids within a dashboard or a cockpit. We are looking at gauges on a car dashboard or a GPS map display to find our way around or if it is in an aircraft and we are looking at very complex instrumentations to make sense of our situation. Our vision is to get rid of all these instruments and display all human made aspects of navigation and safety and navigation related information as a natural 3D experience when looking around. The pilots or the driver's perception of his surroundings and situation, his reality becomes much easier and natural to comprehend and then as a result, he will have a better time navigating around.

"We have found ... the biggest aha moments with huge smiles on people's faces when we have a person put on our glasses and we drive them around or fly them around and they see the whole thing for themselves."- Ákos Maróy

CEOCFO: Assuming you have this and people want it, how do you bridge from the old method to the new method?

Mr. Maróy: This would be a gradual process. On one side, even when using a Mixed Reality solution, as you can still rely on the traditional instruments or dashboards. In terms of symbolism, we are borrowing some from the existing and thus familiar symbology, while at the same time we're introducing radically new visual concepts enabled by our 3D mixed reality technology. When we feel that the tradition is limiting us then we actually are not going with the tradition. To bridge this experience, you would still be able to use your traditional methods if necessary. Whenever you feel Mixed Reality content that you are looking at is not giving you the perception you need, you can still glance downward. When people try our approach, our experience is that you do not really do that though, the information that we display is sufficient.

CEOCFO: What would someone see in a plane or a car?

Mr. Maróy: When you are flying an aircraft and looking outside on route, you can marvel at the clouds and the sun and scenery, but inside, there is a lot of safety and navigational related stuff out there that is not visible because there is nothing physically corresponding to them. For example, there is nothing physical corresponding to an air space or your intended route in the sky, it is just air, but these are very important guidelines and boundaries. In our case, we draw all these things as 3D objects outside. When you look ahead and see your own highway in the sky, basically your own flight plan where you should be flying, you see it in front of your and have a very easy to understand perception of if you are in