



### Vision Systems introduces its electronically dimmable window

Published on: July 25, 2017 | Source : Vision Systems

Following PPG and Vision Systems' recent announcement to develop aircraft window shading applications, PPG will showcase Vision Systems' dimmable solution Nuance V2, the second-generation Electronically Dimmable Window (EDW) at EAA AirVenture Oshkosh 2017, Wisconsin, USA.

Vision Systems' electronically dimmable solutions enable passengers to tune the tint of their window from clear to dark to regulate daylight, glare and heat entering in while preserving the view.



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Based on SPD technology (Suspended Particle Device), they provide infinite variable shading from fully clear to an extremely dark state and instant response time. Maximizing heat rejection and keeping the interior cooler on the tarmac, they contribute to a reduction of air conditioning consumption. These solutions block harmful UV light (and IR as an option), and their fabrication involves noise barriers to keep the cabin quieter.

Vision Systems' EDWs also deliver a weight reduction of about 30% compared with motorized shades, and do not add weight in comparison to a window with a manual shade. They have no moving parts as the electronics are fully integrated, reducing maintenance costs and downtime. They can be incorporated into flat or curved surfaces (2D, 3D), use plastic or composite glass. They can come as a whole to replace the entire window; installation is often limited to a simple mechanical operation, which is very advantageous for the aftermarket.