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Sneak Peak of Vision Systems SPD Electronically Dimmable Window for Cockpits That Will Be Unveiled Publicly Tomorrow at the Aircraft Interiors Expo in Hamburg, German

The light, glare and heat control value of EDWs using SPD technology to expand to airline cockpit windows, using Vision Systems new “Nuance Smart Shell” SPD-Smart EDW.

Hamburg, Germany – April 4, 2016. Tomorrow at the Aircraft Interiors Expo in Hamburg, Research Frontiers licensee Vision Systems will introduce a breakthrough new solution for the light and glare issues commonly experienced in aircraft cockpits. Vision Systems’ Nuance Smart Shell, using Research Frontiers SPD-Smart EDW technology, will be seen for the first time by the public and the media at the premier international commercial aircraft interiors exhibition of the year.

Vision System has been a world market leader in mechanical cockpit solar protection for more than 20 years and is already active in dimmable cockpit solar control with their Opti-Visor product, an SPD-Smart sun visor used for forward facing cockpit windows. Their new Nuance Smart Shell product is designed for lateral cockpit windows, which account for a large percentage of light and glare entering cockpits, and are extremely difficult to shade. The Nuance Smart Shell EDW covers the entire window surface area and brings dynamic solar control to aircraft cockpits – providing automated management of intense high-altitude light and glare, and protection from harmful UV radiation.

Vision Systems new “Nuance Smart Shell” SPD-Smart EDW.doc



Vision Systems SPD “Nuance Smart Shade” Electronically Dimmable Window for cockpit side windows.

The Nuance Smart Shell mockup to be introduced tomorrow is capable of demonstrating many of the benefits that will be delivered to cockpits on in-service aircraft. For example, under the EDW is a “light sensor” which simulates what happens when the sun hits the EDW on an aircraft. When a visitor at the exhibit shines a light on the light sensor, the Nuance Smart Shell will automatically and instantly switch from a clear state to a darkly tinted state. On board an aircraft, this provides solar protection in the cockpit. The Nuance Smart Shell can also be manually controlled, and can override the automated control whenever desired.

The Aircraft Interiors Expo Nuance Smart Shell mockup will highlight other features including:

- It can be fitted to any shape with complete coverage due to Vision Systems’ expertise in composite frames
- Quick removal without tools in case of emergency
- Heat rejection and UV protection
- High optical quality and scratch resistance thanks to specific composite glass
- Touch panel and/or integrated light sensor to dim the window

About Vision Systems

Headquartered near Lyon, France for more than 80 years, with a production unit in Florida, USA, Vision Systems specializes in three activities: Aeronautics, Automotive and Marine.

Vision Systems Aeronautics designs and produces innovative solutions for business jets, helicopters, regional and continental aircrafts: solar protection, IFEC, CMS, video surveillance, composite structures and thermoformed parts. Vision Systems combines complementary skills in electronics, mechanics and composite to provide ever more innovative solutions for costs reduction, heightened safety and improved comfort.

About Research Frontiers Inc.

Research Frontiers (Nasdaq: REFR) is the developer of SPD-Smart light-control technology which allows users to instantly, precisely and uniformly control the shading of glass or plastic, either manually or automatically. Research Frontiers has built an infrastructure of over 40 licensed companies that collectively are capable of serving the growing global demand for smart glass products in automobiles, homes, buildings, museums, aircraft and boats. For more information, please visit our website at www.SmartGlass.com, and on Facebook, Twitter, LinkedIn and YouTube.