



Media Release

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Sentient and AeroVironment team for JP129/4

Sentient and AeroVironment are forming a teaming arrangement to support the Australian Government's Small Unmanned Aircraft Systems (SUAS) requirements

Melbourne, Australia – 17 August 2010 – Through collaboration with AeroVironment Incorporated (AV), Sentient, Australian specialist in computer vision technology, has successfully integrated and demonstrated its automated target detection and tracking capability with AV's family of Small Unmanned Aircraft Systems (SUAS).

Under guidance from the Australian Army, Sentient is working with AV to provide an advanced situational awareness capability for land force operations that is in line with the requirements of Project JP129/4 of the Australian Defence Capability Plan.

Integrated into AV's common Ground Control System (GCS), which serves the Puma, Raven and WASP SUAS, Sentient's computer vision system analyses electro-optical and infrared imagery, transmitted from the UAS, in real-time.

The system combines Sentient's advanced computer vision software, Kestrel Land MTI, with the AV Screener. ISR operators will be using the AV Screener as usual, just with the addition of automated target detection where and when required.

"In simple terms, ISR operators are able to turn automated target detection on or off at the touch of the button, without changing the ConOps or anything else within the GCS. Everything is integrated," said Dr. Paul Boxer, Managing Director of Sentient.

The solution has been successfully tested by the Australian Army.

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About Sentient

Sentient successfully develops and deploys computer vision technology for defence and civil projects. Since 1999 Sentient has been specializing in video analytics with a strong focus on the development of Artificial Intelligence and Computer Vision software.

Sentient is a member of the Defence Recognised Supplier Scheme and a trusted partner of the Australian Department of Defence. For more information, visit www.sentientvision.com.

About AeroVironment, Inc. (AV)

Building on a history of technological innovation, AV designs, develops, produces and supports an advanced portfolio of Unmanned Aircraft Systems (UAS) and efficient electric energy systems. Agencies of the U.S. Department of Defense and allied military services use the company's battery-powered, hand-launched UAS to provide situational awareness to tactical operating units through real-time, airborne reconnaissance, surveillance and target acquisition. AV's clean transportation solutions include power cycling and test systems and industrial electric vehicle charging systems for commercial and institutional customers, in addition to EV home chargers and EV fast chargers for consumers. More information about AV is available at www.avinc.com.

Further information

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