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SEOS TO SUPPLY TRAINING DEVICE OUT-THE-WINDOW DISPLAY SYSTEMS FOR THE JOINT STRIKE FIGHTER PROGRAM

Lockheed Martin has selected SEOS, Sussex, England as the supplier of the Out-the-Window Display Systems to be utilized on the F-35 Joint Strike Fighter (JSF) Pilot Training Devices.

The Lockheed Martin F-35 is the next generation, supersonic, multi-role stealth aircraft designed to replace the AV-8B Harrier, A-10, F-16, F/A-18, and the United Kingdom's Harrier GR7 and Sea Harrier. It will be built in three variants; a conventional take-off and landing aircraft (CTOL) for the US Air Force, a carrier based variant for the US Navy, and a short take-off and vertical landing (STOVL) aircraft for the US Marine Corps, Royal Navy and Royal Air Force. Potential production of the F-35 will be in excess of 2500 combat fighters, with other armed forces as well as the US and UK making plans to operate the aircraft.

SEOS will deliver displays for both the Full Mission Simulator (FMS) display and Deployable Mission Rehearsal Trainer (DMRT) devices, with the first systems being delivered within an 18 month timeframe.

Owen Wynn, Executive Chairman, SEOS says "This truly is a landmark win for us. After the rigorous assessment process, to be finally selected by Lockheed for this most demanding fast jet display requirement is true reward for everyone's efforts. The specification of the display was such that it took the technology requirements outside the capabilities of the industry's current 'state of the art'. We have therefore spent the last 18 months developing new technologies and system concepts and feel that one of the key advantages we brought to this project was our innovative thinking and willingness to embrace completely new ideas. The importance to SEOS is clear as the JSF Display programme has the potential of being the biggest contract we have ever worked on with the opportunity for revenues in excess of 100 million dollars. We are honoured that Lockheed has put its confidence in us to supply these displays and are totally committed to meeting and exceeding the requirements."

The FMS device will provide a full field-of-regard, high resolution, and high brightness image. Its unique mechanical configuration enables it to fit within very tight facility constraints. The

incorporation of SEOS Optimizer™ pixel management system minimises the use of IG channels, so maximising the overall visual system efficiency. The DMRT display provides a rugged solution capable of surviving the most rigorous field deployment challenges.

The displays will incorporate SEOS' Zorro® projector with its patented 4th panel technology to achieve a very high dynamic range and sequential contrast. With a clearly defined development path, Zorro® ensures that the JSF displays will benefit from the most advanced technology throughout the life of the program. All displays are required to meet Lockheed's stringent requirements for ease of maintainability – to which end SEOS will supply its unique auto-alignment and calibration system.

Optimizer is a trademark of SEOS Ltd.

Zorro is a registered trademark of Zorro Productions Inc. and is used under license by SEOS Ltd.

ABOUT SEOS

SEOS is a leading global supplier of display and immersive solutions for simulation and visualization, delivering advanced solutions for the civil and military, training and research, visualization, leisure and entertainment markets.

SEOS has established a worldwide reputation for supplying innovative, high quality, cost-effective display solutions combined with a high level of expertise and exceptional service. A comprehensive range of services and unequalled design system integration capability provide a display solution that is custom designed and built for its application.

For further information please [contact us](#).