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Esterel acquires design code from Thales, Diehl

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Esterel Technologies has taken an exclusive source code license for the Image Embedded Graphical Display Design Environment software developed jointly by Thales Avionics SA and Diehl Aerospace.

LONDON — Esterel Technologies has taken an exclusive source code license for the Image Embedded Graphical Display Design Environment software developed jointly by Thales Avionics SA and Diehl Aerospace.

The Image package — which is already used on large-scale avionics programs, such as the Cockpit Display Systems of the Airbus A380 and A400M, the Sukhoi Russian Regional Jet and the Dassault Aviation Rafale program — will be fully integrated by Esterel (Bordeaux, France) into its SCADE range of tools.

These are already widely deplyed for the design of safety-critical software applications in aerospace and defense, rail transportation, automotive and heavy duty industries.

The resulting Scade Display range, available from later this month, will include a Display Modeller, an advanced symbology drawing and simulation tool; the Display Ergonomy Checker, a tool enabling the automated checking of human factors and ergonomy design rules; and the SCADE Display DO-178B Qualified C Code Generator. The latter automatically generates highly portable C code, and includes a DO-178B Certification Kit.

Thales Avionics (Elancourt, France), Diehl Aerospace (Frankfurt, Germany) and Esterel Technologies already partner in several joint collaborative R&D projects within the EU's sixth Framework Research Programme, as well as in the ITEA Eureka framework and the System@tic Competitiveness Cluster (Pôle de Compétitivité) within the "Software Factory" project. All three are also key participants in Europe's ARTEMIS European Technology Platform initiative.

"This agreement with Thales Avionics and Diehl Aerospace enables Esterel Technologies to integrate complementary, high quality and production proven Display Design modules to the SCADE tool suite, providing our customers with the world's only comprehensive, fully integrated and DO-178B qualified design environment for safety-critical embedded software", said Eric Bantegnie, President & CEO of Esterel Technologies.