

PRESS RELEASE

Safran expands Asterios, its development tool for critical embedded software

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On the occasion of the ERTS conference in Toulouse, Asterios Technologies, a subsidiary of Safran Electronics & Defense, announces the release of the latest version of its Asterios software suite, designed for the development of real-time critical software applications for systems with electronic boards equipped with multiple processors (multi-core).

Real-time software is designed to provide responses or actions within a predetermined timeframe in reaction to external events. They are used in critical systems where strict adherence to deadlines is crucial for correct and safe operation.

Asterios meets software development needs in fields where safety and operational reliability are major concerns: aeronautics, new airborne mobility and drones, space, defense, nuclear, etc.

By way of example, Safran is deploying Asterios in systems as diverse as a secure flight control computer, the Skynaute inertial unit and the new M88 engine control computer powering the Rafale.

Asterios brings significant improvements in an increasingly complex digital world: simplification of application deployment, early error detection in virtual platforms, step-by-step certification capability. Users will benefit from shorter, more efficient design cycles, performance maintained at the highest level, and reliable, and reproducible operation of the developed application.

“We are convinced that this new version of Asterios represents a major step forward for our customers, making it easier to master multi-core platforms in the development of real-time critical systems”, said Guillaume Agamennone, Managing Director of Asterios Technologies.

This launch is in line with Safran's strategy of offering solutions for sectors with high safety and reliability requirements.

Safran is an international high-technology group, operating in the aviation (propulsion, equipment and interiors), defense and space markets. Its core purpose is to contribute to a safer, more sustainable world, where air transport is more environmentally friendly, comfortable and accessible. Safran has a global presence, with 92 000 employees and sales of 23.2 billion euros in 2023, and holds, alone or in partnership, world or regional leadership positions in its core markets. Safran is listed on the Euronext Paris stock exchange and is part of the CAC 40 and Euro Stoxx 50 indices

Safran Electronics & Defense offers its customers on-board intelligence solutions allowing them to understand the environment, to reduce mental load and to guarantee a trajectory, even in critical situations, in all environments: on land, at sea, in the sky or space. The company harnesses the expertise of its 12,000 employees towards these three functions: observe, decide and guide, for the civil and military markets.

For more information: www.safran-group.com
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