

Customer Success Story

SELEX Sistemi Integrati

is a FINMECCANICA SpA company that designs, implements, and markets large systems for Homeland Protection, including aerial defense radar systems, battlefield management, naval defense, air and airport traffic management, and coastal and maritime surveillance. The corporation, which employs about 4,200 people, boasts 50 years of experience and clients across 150 countries.

THE CHALLENGE

Strongly committed to optimizing internal processes, SELEX decided to focus on eliminating defects earlier in the SDLC.

THE SOLUTION

SELEX turned to Parasoft's development testing platform for C, C++, and Java applications, effectively reducing the time required for testing later in the process. With this solution, they have freed up resources for more rapidly addressing critical business demands while completing projects on time and on budget.

Strongly committed to optimizing internal processes, SELEX decided to focus on eliminating defects earlier in the SDLC. For this, they turned to Parasoft's Development Testing Platform for C, C++, and Java applications. SELEX had already been using Parasoft's memory error detection tool, Insure++, for twenty years.

Daniele De Nicola, a Product Software Verification and Validation Supervisor at SELEX, explains that they were drawn to Parasoft's static analysis because of its "accurate analysis and ease of use." They were especially impressed by how flow analysis pointed them to critical runtime defects without requiring them to actually execute the code.

During the proof of concept, Parasoft products were rapidly integrated into the organization's projects, one at a time. The products demonstrated their value immediately, increasing the stability of SELEX's software components.

"There was a revolution in our way of developing that allowed us to gain precious time to focus elsewhere."

Parasoft has been fully deployed across SELEX for many years now. In fact, their software quality became so impressive that their sub-suppliers and partners started to wonder how they were doing it. After SELEX's associates learned the secret to their striking quality achievements, they began deploying Parasoft products in their own organizations, as well.

Over the years, SELEX management has noted efficiency improvements in terms of development costs, time, and resources. In the future, the department plans to optimize their overall software development process even further, to ensure that they are delivering quality software as consistently and efficiently as possible.

By working with Parasoft, SELEX has significantly improved code stability, re-use, and maintainability. They have also added a new level of automation and visibility to their verification process.

"A single day of support was all we needed to get started," De Nicola states. "From then on, our lives have never been the same!"

ABOUT PARASOFT

Parasoft helps organizations perfect today's highly-connected applications by automating time-consuming testing tasks and providing management with intelligent analytics necessary to focus on what matters. Parasoft's technologies reduce the time, effort, and cost of delivering secure, reliable, and compliant software, by integrating static and runtime analysis; unit, functional, and API testing; and service virtualization. With developer testing tools, manager reporting/analytics, and executive dashboarding, Parasoft supports software organizations with the innovative tools they need to successfully develop and deploy applications in the embedded, enterprise, and IoT markets, all while enabling today's most strategic development initiatives — agile, continuous testing, DevOps, and security.

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