

# CASE STUDY

“We recommend CodeSonar during audits and trainings we regularly do with our customers.”

- Pierre Guelminger  
Manager, Viveris

## OTHER CUSTOMERS IN THE EMBEDDED INDUSTRY INCLUDE:

BlueStripe Software  
CA Technologies  
Crank Software  
Honeywell  
Siemens  
Sypris Electronics



**For more information:**  
[www.grammatech.com](http://www.grammatech.com)  
Email: [info@grammatech.com](mailto:info@grammatech.com)

**GrammaTech Headquarters:**  
531 Esty Street  
Ithaca, NY 14850

U.S. sales: 888-695-2668

International sales:  
+1-607-273-7340

Email: [sales@grammatech.com](mailto:sales@grammatech.com)



## Viveris Improves Security Using Static Analysis

Viveris has built a name for itself in the embedded industry by helping its customers deliver high-quality software to drive complex products in a variety of different markets (aerospace and defense, transportation, telecom, medical, but also aeronautics). Viveris can augment a customer's software development team, or take over the entire development cycle, including hardware if needed.

In the last years, the customer's focus has shifted from time-to-market and quality to also include security. Viveris has mastered security and offers everything from secure boot to attestation to authentication and encryption. However, security is only as strong as its weakest link, which is often the code, the application layer resting on top of a secure foundation.



Developing secure code requires focus and experience and additional effort, tool automation can greatly help in this aspect. Viveris uses GrammaTech CodeSonar to dramatically improve the efficiency of software developers working on customer projects, while delivering higher security from the early start of the Software Development LifeCycle.

CodeSonar helps Viveris by:

- Finding problems early in the development cycle, which makes it easier to fix them and through that increases developer efficiency
- Helping developers write better code through warnings right when the code is submitted to CM systems, this benefits both junior and senior engineers

- Finding security flaws having to do with common programming problems, data taint, or insider threat violations
- Following coding, safety and security standards

Viveris developers often are brought in to help late state software projects. Running CodeSonar on the source code that is already available helps Viveris find defects, but also allows the Viveris engineers to quickly master the source code and become productive through CodeSonar's elaborate code navigation and visualization capabilities.

Viveris uses CodeSonar in their own development workflows, but also recommends it as a tool for their customers after the engagement is completed.