



SERMA TECHNOLOGIES  
ITSEF

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# CC convergence with Safety standard in Aeronautics & Space Industry: SEISES project

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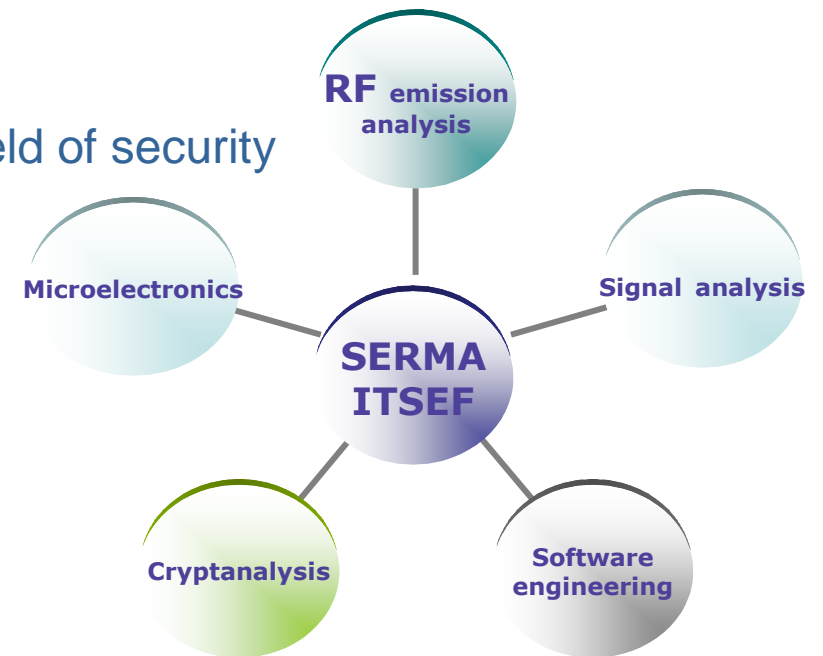
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# SERMA TECHNOLOGIES

# The ITSEF

(Dept. of SERMA TECHNOLOGIES)

- 13 years experience in IT security
- Headcount (2011) : more than 20 PhD and engineers
- Secure premises located in Bordeaux (France)
- A team of experienced & professional experts in the field of security
- Services:
  - Common Criteria security evaluations
  - Independent security expertise
  - Trainings to CC standards
  - Security consulting
  - Site audits





# Abstract

- Recent trends in the design of avionics platform make it credible that accidental or intentional misuse of aircraft information occur. New aircraft platforms have increased the interconnectivity of equipment both within the aircraft and with on-ground systems. Such a platform is made of a very wide range of software and hardware items: from highly critical items controlling the aircraft to low criticality items that inform and entertain the passengers through items that help the airline operate and maintain its fleet. Consequently, the avionics platform could be the target of security attacks that try to impact the aircraft safety.
- Airworthiness has to be ensured in the presence of aircraft information misuse. In the past ten years, aircraft industry, certification authorities and research organizations have been working to deal with this important matter. New functions were designed to protect avionics platforms, regulations addressing security were issued and joint working groups were established to build applicable standards.
- In that context, partners of the SEISES project have investigated, from October 2008 to December 2011, assurance aspects of the development of secure and safe embedded aerospace systems. This presentation details the outcome of this project that is in charge of developing a joint framework that collects and organizes security and safety assurance activities.
- This joint framework is intended to engineers and managers in charge of the development and validation of aerospace embedded systems. It describes the key assurance activities that are relevant to achieve safety and security. The framework integrates and optimizes assurance in order to avoid redundancies and lacks.

**Numerous partners being involved in the SEISES consortium, some of the supporting documentation is still under review. Consequently, this abstract is just a teaser.  
The full presentation will be available upon request by e-mail.**

G R O U P E   S E R M A   T E C H N O L O G I E S

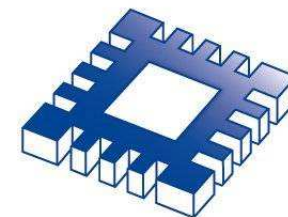


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