



# Secure Chips, Cards, & Devices



## Consulting & Security Evaluation

**A world of new digital services is unfolding as businesses converge, leading to new business models, new revenue opportunities, and value for end users.**

**We at Trusted Labs strongly believe that mobile payment, mobile banking, e-ticketing, mobile couponing are all candidates to be the next killer apps!**

These applications rely on 3 key enabling technologies: open embedded software, security, and contactless technology. Trusted Labs – an expert in all three – gives silicon, card and device vendors a competitive edge in imagining and implementing their new products.

## Imagine, design & develop... security in mind!

Trusted Labs has a unique ability to add its recognized expertise in security to strong skills in the areas of open embedded software and contactless technology. Why is this so important when imagining, designing and developing new services?

- Security has to be thought of right from the start:
  - Security weaknesses may jeopardize the whole business case,
  - Critical applications may require regulatory or proprietary compliance,
  - Security requirements can impact the solution's architecture.
- Security needs to be embedded into every aspect of a project:
  - Service/architecture (liabilities, risk analysis, functional design , devices),
  - Standards (regulatory or proprietary),
  - Technology (e.g. cryptography),
  - Efficiency: Finding the right balance between security and cost.

## So how does Trusted Labs help?

- SUPPORTING THE DESIGN & DEVELOPMENT OF SECURE PRODUCTS:** Helping chip, card & device vendors design and develop secure products:
  - Technology watch, Market study, Feasibility study
  - Security & functional requirements specification
  - Security audit of specs, architecture, source code
- SECURITY EVALUATION SERVICES:** Helping you assess the security of your products using automated, highly productive methods and tools:
  - (Automatic) static analysis of source code
  - Functional, performance, and security tests
  - Attack simulation
- SECURITY CERTIFICATION SUPPORT:** Helping you certify chips, cards & devices:
  - Common Criteria, FIPS140-2, PCI PED, etc.
  - MasterCard, Visa, etc.

## Why Trusted Labs?

- Experience in Telecom, Banking, Transportation, Id/Health
- A contributor to the state of the art in open architectures and security standards
- An innovator constantly integrating the latest research breakthroughs

## References

- ATMEL
- Gemalto
- SST Emosyn
- Trusted Logic
- Way Systems