



Paris, December 3rd, 2010
Press release

> Based on research by Télécom ParisTech, our Secure-IC spin-off is developing innovative new smart cards for the identification security market

Secure-IC[®], a young Télécom ParisTech start-up created in January 2010, develops products based on the scientific breakthroughs made by the research teams of Télécom ParisTech and its CRNS mixed research unit. The aim of this project is to capitalize on the wide-ranging research and numerous patents registered by the 'Trusted Computing Platform' research team, who over the last five years have built up a unique reputation for innovation and expertise in designing and protecting the security of crucial electronic components. This 'Made in Telecom' start-up is now incubated in Paris and Rennes, under the aegis of Télécom ParisTech and Télécom Bretagne

A young business, but already an award-winner

This year Secure-IC was named winner of the Business Creation/Development category in the National Business Innovation Awards organized by the Ministry for Higher Education and Research. The company's flagship product is Smart-SIC+, a smart card system tailored to eGovernment applications. This market is expanding rapidly, and actively seeking more robust security solutions.



In the words of Hassan Triqui, president and co-founder of Secure-IC, "To ensure the success of the Smart-SIC+ program, it's crucial that the Secure-IC teams maintain their close relationship with the research laboratories of the Institut Telecom."

Secure-IC boasts an ambitious R&D program

The challenge for the Télécom ParisTech researchers attached to this project is to continue providing Secure-IC with technologies which ensure, first and foremost, the protection of embedded systems and circuits against physical attacks, but which also allow users to analyze the robustness of these systems and evaluate their level of vulnerability. The solutions they have created are effective against the two main types of attacks: attacks which consist of spying on the activity of a circuit, and those which involve adapting the circuit and producing errors in its calculations. One of Secure-IC's great assets is that the company not only offers protection products, but can also guarantee the quality of security these technologies provide via analysis tools integrated with the platform, as well as through formal evidence.

Another asset of the Secure-IC system is the fact that this securitization is highly adaptable to major constraints of complexity, calculation speed and consumption, and can thus be tailored to fit all card designs.

A result which demonstrates the enduring success of the Institut Telecom's innovation policy

Philippe Letellier, Director of Innovation at the Institut Telecom, is delighted with the success of Secure-IC: "spin-offs and technology transfer are key priorities of our innovation program; Secure-IC is a great success story from one of our areas of expertise – security – which can have a great impact not only economically but also socially".

Secure-IC will be present at the Paris Cartes et IDentification trade fair, December 7th-9th

Secure-IC are currently at work on a metrology platform for testing the robustness of electronic circuits, under the name Smart-SIC Analyzer. This platform produces a metric diagram of leaks, a sort of map of the weaknesses which could be exploited by malicious attacks. Smart-SIC Analyzer will have its official launch at the 2010 Cartes et IDentification trade show, held in Paris from December 7th-9th, and should help raise the profile of Secure-IC and their expertise in this field.

For Télécom ParisTech this was an ambitious gamble, with high stakes in terms of intellectual property. As well as being a fine individual example of spin-off success, Secure-IC represents the broader long-term commitment of Institut Télécom to play a leading role in technological and economic development, both through the work of its various schools, and by supporting small and medium-sized businesses with the ideas to drive progress.

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About Secure-IC www.secure-ic.com

Secure-IC, a spin-off from publicly-funded research departments, is a double-centered SME based in Rennes and Paris. Its targets are the Defense and Civil Security markets. For the defense market, the company focuses on the security of sensitive electronic circuits used in communication or data protection applications. In the civil security sector, Secure-IC is targeting the Identification market, specifically the market for electronic identity documents, with its Smart-SIC+ product. The company's technology can also be applied to any service platform which requires use of an electronic cryptographic component, specifically a smart card. Secure-IC also has consulting and engineering departments, in order to exploit the expertise of the research and development teams in the fields of hardware design and embedded systems.

About Institut Telecom www.institut-telecom.fr

The Institut Telecom is an organization for higher education and research in the information and communication technologies and sciences (ICTS). Its schools are Télécom ParisTech, Télécom Bretagne, Télécom SudParis and Telecom Business School, and it has two subsidiaries, Télécom Lille1 and EURECOM, for a total of 5,550 students, 650 professors and 950 PHD, post-doctoral and sabbatical students. Since May 2008, the Institut Telecom has also formed a network of partner institutions: Télécom Saint-Etienne, ENSPS (Strasbourg), ENSEIRB-MATMECA (Bordeaux), Sup'Com Tunis (Tunisia) and I'INP-ENSEEIH (Toulouse). Dedicated to innovation, Institut Telecom was awarded the Institut Carnot label with its subsidiary EURECOM in 2006 for the quality of its research partnerships. On average, the Institut creates around 50 start-ups every year in its 5 business incubators.