



Who we are

Smart Packaging Solutions (SPS) is a main provider of secure and high added value components for card and document manufacturers.

SPS is specialized in the development, production and sale of intermediate products for secured contactless documents, like payment, transportation, eID cards and electronic passports. SPS helps the issuer to benefit from the contactless growth in the security and identifications market.

SPS is part of the French group 'Imprimerie Nationale'.

It provides high value products in a high security environment.



Market Positioning

Partner of the document manufacturer and chip agnostic, SPS is therefore positioned at the heart of the value chain as a supplier of semi-finished products.

Patent Portfolio

With one third of its headcount dedicated to research and development, SPS is the owner of numerous intellectual and industrial property rights (over 120 patents) and continues to innovate on a daily basis.

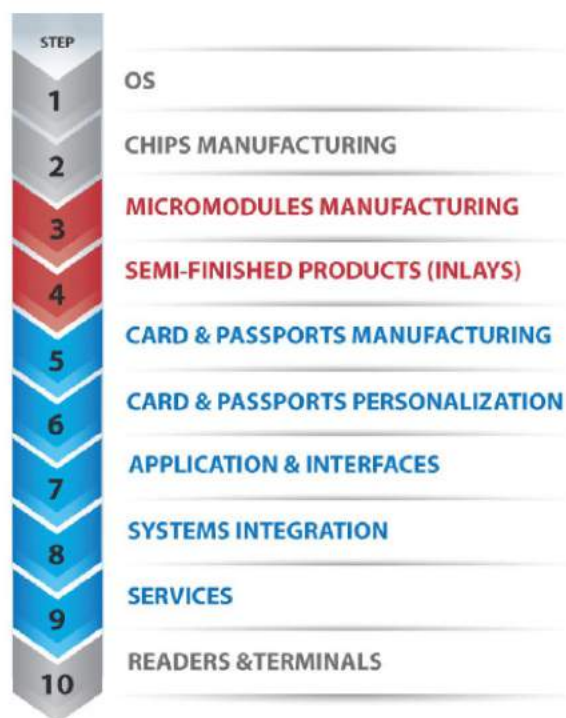
Manufacturing Facilities

With a production capacity of micro-modules for Smart Cards in a class 10 000 clean room, SPS offers its customers state of the art facilities and is able to provide first rate, flexible answers to their requests.



SPS explained in 10 dates

The SPS eBooster[®], a 10 year proven technology



- 2003** SPS was founded.
- 2006** Rewarded its first Sesame award in Cartes Paris 2006.
- 2007** Morocco eID cards issuing started with the SPS product FIPS 201 certification for Dual PIV deployment.
- 2008** First EMV certification for SPS Dual Interface. The Philippines issues the ePassport based on SPS inlays.
- 2009** SPS inlays equipped the French and Algerian ePassport and Student eID cards in Croatia.
- 2010** Imprimerie Nationale and FCDE invest in SPS. SPS equipped the "Gendarmerie Nationale" professional card.
- 2011** Issuance of Electronic French residence permit. The Pakistani military eID card with SPS eBooster[®] SPS receives its 2nd Sesame award at Cartes Paris 2011.
- 2012** SPS implants a commercial office in Singapore. The French Police card is issued with the SPS eBooster[®].
- 2013** French driving License issuing with SPS technology. SPS increases its manufacturing facilities. NIMC choose SPS for the biometric Nigerian ID card.
- 2014** Imprimerie Nationale increases its presence in SPS capital. SPS implants an operational plant in Singapore.



What we do

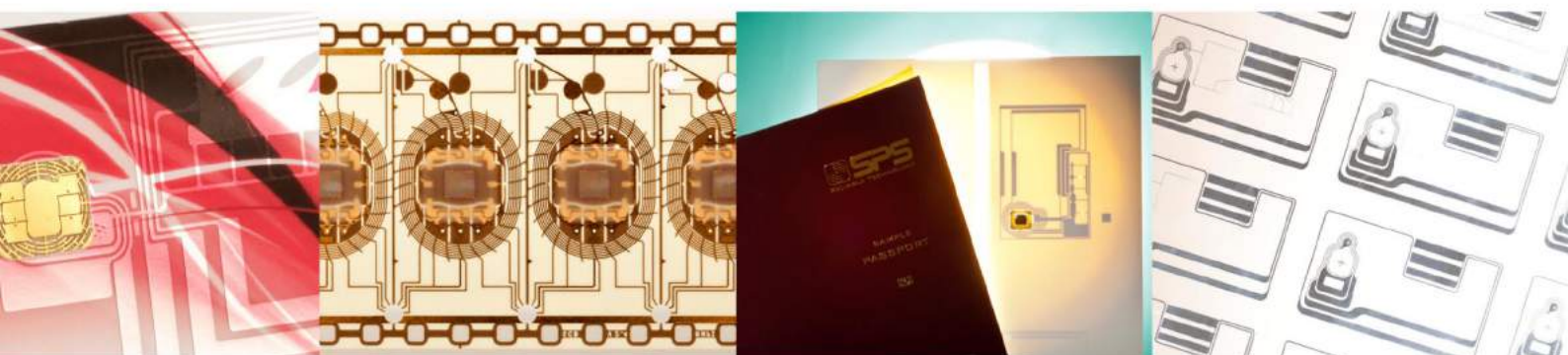
World Leader in Dual Interface Banking and eID documents.

SPS proposes three complete and flexible Product Lines in order to address all card and document manufacturers as well as issuers.

PRODUCT LINE	eBoost PAY® For Banking & Transportation	eBoost ID® For eID cards	eBoost PASS® For ePassport
PRODUCTS	DUAL 6 DUAL 8 Inlay S-Lam	DUAL HYBRID CONTACT CONTACTLESS Inlay S-Lam	INLAY eCOVER Inlay for Datapage Polycarbonate*
OPTIONS	SILVER GOLD CMI Pre-personalization OS loading service	SILVER GOLD CMI CAI VMI* Pre-personalization OS loading service	Teslin Pflex CMI CAI VMI* Pre-personalization OS loading service

Note

CMI : customized module image
CAI : customized antenna image
VMI : variable module image
* : under development



Payment

eBoost PAY® product line, offers an unique and patented technology for secure and reliable payment cards enabling a contact & contactless interface.

■ This complete module and antenna offer, enables card manufacturers, to set up an easy and low cost process for dual interface banking cards manufacturing. Linked to a full compliancy with all EMV chips & OS, it permits to address all multi-applications and convergence markets (payment and transit, loyalty or other convergences).

- eBoost PAY® offer : Modules, eBooster® inlay and prelaminated antenna.
- China Union Pay, Interac, Discover CPA, etc.

Transport

eBoost PAY® product line, offers an unique and patented technology for secure and reliable payment cards enabling a contact & contactless interface.

■ This complete module and antenna offer, enables card manufacturers, to set up an easy and low cost process for dual interface cards manufacturing. Linked to a full compliancy with all chips & OS, it permits to address all multi-applications and convergence market (payment and transit convergence with open loop or close loop configuration)

- eBoost PAY® offer : Modules, eBooster® inlay and prelaminated antenna.
- Standards: Mifare family, Calypso or proprietary standards.

eID Cards

eBoost ID® product line, is particularly adapted to the market of secured contactless electronics.

■ Documents: e-ID Cards, e-Driving Licenses, e-Health Cards, e-Student Cards, Professional and Agent Cards, etc. This complete module and antenna offer permits to manufacture all eID cards configuration: Contact, Dual Interface, Hybrid and contactless, with all durable material (PC, PET, etc.)

■ eBoost ID® product line guarantee the highest level of reliability with the following advantages :

- Short "Time to Market" without any industrial investment for all types of cards.
- Unique and patented security features on module and antenna
- Security and Business Continuity Plan

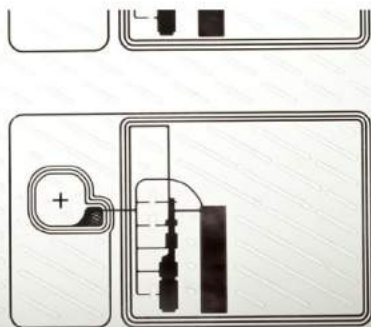
- eBoost ID® offer : Modules eBooster® inlay and prelaminated antenna with different materials.
- Component: All Common Criteria certified OS, Identification, Authentication, Signature, PKI, Multi-Application...

ePassport

eBoost PASS®, a flexible product line for ePassport inlay or cover, manufactured in a trust environment :

- eBooster® high reliability technology
- Different materials available
- Kuggler & Uno compliancy
- Optional Security Features
- Business continuity plan with multi-site manufacturing and Secured production & supply chain

- eBoost PASS® offer : Inlay and eCover.
- Component: All Common Criteria certified OS, ICAO application with BAC, EAC, SAC, etc.



SPS added value

eBooster® Technology

Inductive coupling between the antenna and the module :

- No connection
- Lowest card manufacturing cost
- Highest reliability
- No investment
- Patented technology



RF Antenna design and Customer Support

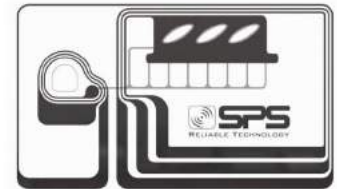
One stop shopping for full platform delivery :

- Module & Antenna
- Compliant with all Chip & OS
- Pre-Certification test done by SPS Lab
- Iso14443, ICAO, EMV, etc.
- Guarantee of full functionality
- Customer support with dedicated team

Security Features

Customize your module & antenna for your project :

- Security Features levels 1 & 2
- Increase counterfeiting protection
- Patented technology



Business Continuity Plan

Multi sources and multi manufacturing plant policy for :

- All raw materials
- Module manufacturing
- Antenna suppliers
- Inlay and S-Lam manufacturing

Pre-Personalization and OS Loading

Optimize your card personalization process by entrusting your fixed data processing to SPS :

- OS Loading
- Key rotation & management
- OS initialization
- Applet loading



Worldwide Leader

In Dual Interface solutions for banking and eID Documents

Our worldwide presence





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