

ID-One™ Health, the essential brick for healthcare systems



The goal of a national healthcare system is to improve services and increase cost efficiency. The modernization of healthcare systems is a critical aspect of social policy for most governments around the world. Even though no real international standard exists, similar projects and initiatives prove that an efficient healthcare system is essential for every country.

The main objectives are to secure the healthcare environment and thereby limit fraud, reduce running costs and improve efficiency. Integrating smart cards in the healthcare system is the global solution to enforce security, to simplify and speed up administrative procedures and to improve interoperability.

The healthcare system is a complex network in which patients, health professionals, and public and private insurance entities need to interact with a high level of security and confidence.

Oberthur Technologies has capitalized on its industry experience and technical capacities to develop a full and generic range of products spanning low-cost to high-end solutions based on the main market requirements: data security, identification, strong authentication and electronic signature.

Uses

- Declaration of attending physician
- Reimbursement of medical costs
- Declaration of a new beneficiary
- Consultation of personal medical history
- Secure access to personal medical file
- Electronic prescriptions
- Invoice signature
- Access to remote health servers
- Combination of patient medical card and insurance card on the same support
- Physical access to buildings

Dedicated solutions for patients & professionals:

- Health patient card for each citizen
- Health professional card
- Health insurance card for citizens (for public & private insurance companies)
- Authentication solutions based on ID-One Token for all web access to medical files, medical online services, medical eServices
- Secure physical & logical access solutions for professionals
- Dedicated readers for patients & professionals



Oberthur Technologies offer

Oberthur Technologies develops specific solutions, creating customized national products and assuring migration from legacy systems. ID-One Health is an extensive and complete range from low-cost to high-end solutions. It is based on Oberthur Technologies' expertise in developing both products and services.

Main implemented functions

- Electronic qualified signature
- Authentication (user, role, device)
- Identification
- Encryption/Decryption
- Data storage
- Biometry, Match-on-Card

Standards compliancy

- ID-One Health is compliant with major standards such as ISO 7816, IAS v1.01 Premium, IAS-ECC, E-Sign, PKCS#15, European Citizen Card.

Embedded cryptography

- DES, 3DES
- AES 128, 192&256 bits
- RSA up to 2048 bits
- Elliptic curves GF(p) 161 > 384 bits
- RSA key generation onboard or off-board in Oberthur Technologies personalization centers
- SHA-1, SHA-256, SHA-384

Security evaluations

- The ID-One Health range includes products based on Java Card™ certified Common Criteria EAL4+/EAL5+ according to the Secure Signature Creation Device type 2 & 3 protection profiles.
- The ID-One Health range also includes products certified FIPS 140-2 level 3 to meet government security standards.

Services & personalization solutions

Oberthur Technologies experience in smart card personalization and fulfillment services gives health card projects the required momentum to develop one single card into millions.

The offer comes as either:

- an Oberthur Technologies service bureau, with a worldwide perso bureau network in more than 25 countries. This network provides local access worldwide to high-value personalization services such as fulfillment, cardholder photograph printing and protection using a durable laminate, and specific graphical personalization features (for example, laser engraving or braille embossing);
- or alternatively as an easily integrated based software suite for governments who wish to operate an in-house personalization service.

The software suite covers all phases of the health card issuance procedure: data collection, data preparation, key management, card personalization and card delivery.

As part of the its ID-One Health product range, Oberthur Technologies also offers support to governments and system integrators, from feasibility studies to system design, implementation and operation.

Oberthur Technologies references

Sesam-Vitale (France), Medicare (Australia), CPS—Professional Health Card (France), MOK—Chamber of Doctors (Hungary), Netlink Health Card (Italy), Health Card Galicia (Spain), CNS (Italy), Carte DUO—SINTIA Insurance Companies Federation (France), Centrelink (Australia).

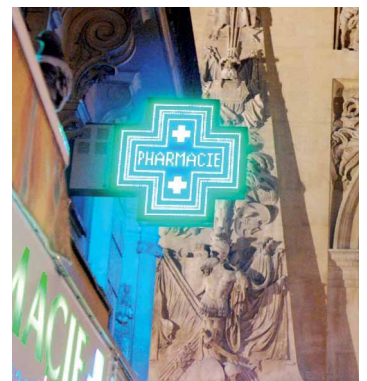
Oberthur Technologies, the leader in the French health card industry

Oberthur Technologies is the only card manufacturer to provide the three different kinds of health card used in the French national healthcare system (patient card, professional card, and complementary private insurance card).

The company was selected in 2006 as one of the main card providers by GIE SESAM Vitale to provide millions of fully personalized Vitale 2 cards and to produce pre-personalized cards.

Oberthur Technologies supplied CPS cards with more than 18 different health professional visuals.

Oberthur Technologies is currently the sole card supplier and personalizer for a nationwide supplementary health insurance card pilot (140K) involving the biggest French private insurance companies (GAN, GROUPAMA, MMA, AXA, AMIS, AVIVA, AZUR, SOGAREP...).



Oberthur Technologies respects the environment.

The number of printed brochures produced by the company has been significantly reduced to save paper. Printed documents are produced on FSC-certified paper using aqueous inks to reduce environmental impact. Datasheets are available in electronic format only and can be downloaded from www.oberthur.com.