

> CHALLENGE

Facilitate student access to academic services

> MARKET

Universities and higher education organizations

> APPLICATIONS

Access control, identification, e-purse

> EVOLIS SOLUTIONS

Pebble and Dualys card printers



Out of the 85 universities in France, 37 have used Evolis printers to issue over 1 million cards for the 2008/2009 school year.

**New technologies,
new uses**

In the early 2000s, student IDs had a magnetic stripe and a barcode that would provide access to basic academic services (borrowing books, photocopies, etc.). Fast improvements in card encoding technologies have paved the way to a number of new services. Today, such cards combine multiple technologies – magnetic stripe, smart cards with or without contact – to support new applications such as identification, access control, e-purse, and much more.

French universities: a student ID for multiple applications

Since 2000, in France, multiple advancements in encoding technologies have helped expand the scope of services and applications provided by a Student ID. Today, such a card serves multiple purposes (identification, access control, e-purse, and more) and is personalized in a decentralized way, inside the university premises, thanks to the Pebble and Dualys plastic card printers.

Launched in French universities at the beginning of this decade to provide students with an access to all academic services, the multi-purpose student ID card was developed by Monecarte, a French company specialized in designing and marketing identification solutions and e-purse based payment solutions. Such projects are carried out in collaboration with Monecarte, IT departments of universities, local authorities, student welfare organizations as well as other partners that deal with all payment aspects. The French University of Lyon 2, with more than 27,000 students, adopted the multi-purpose card in 2003. The challenge was twofold: facilitate student and staff access to all services provided by the university and drill down on the behavior of students (food, sports, and cultural preferences). With such an extended scope of applications, the Student ID at Lyon 2 stands as one of the most advanced in France.

An embedded e-purse

A single student ID supports multiple applications: access control to the different areas of a campus, including access to sport infrastructures and cultural activities, borrowing books, electronic signature for exams, management of student records and grade reports, and much more. It can also be used as an e-purse: the holder simply funds its e-purse account (known as Monéo in France) and then pays for meals at the cafeteria, buy snacks at a vending machine, or operate copy machines. The University also benefits from this technology. For sports activities, the access control application ensures that all participants have paid their fees and are therefore covered by insurance.

Within a same university, cards are usually issued from different outlets depending on the existing student enrollment management system and the geographic layout of the various departments. A single application server, hosting all student personal data, is linked to desktop stations fitted with a data and video capture system. These stations are then connected to an Evolis printer and a self service terminal. This equipment allows a decentralized personalization and issuance of student ID cards.

The Evolis Pebble and Dualys card personalization solutions were the obvious choices to meet the requirements of this highly versatile application. Thanks to their market-leading printing engine, Pebble and Dualys personalize ID cards, in high definition and in mere seconds. Both printers benefit from the most recent encoding technologies: ISO or JIS2 magnetic

tracks, as well as smart cards with or without contact (RFID). All options can be combined for advanced personalization of cards in a single pass.

“Impeccable devices”

“We chose the Evolis solutions for their ease of use, robustness and premium print quality.” said Emmanuel Billac, Managing Director, Monecarte. *“The Monecarte applications deployed at many universities in France are increasingly sophisticated and complex. The devices attached to the software solution must be above reproach. In addition, Evolis demonstrates flexibility and responsiveness when it comes to technical support”.*



Dualys3

Dualys and Pebble both offer card personalization and encoding. Dual-sided printing is available with Dualys.



Pebble4



Cédric Michel,
Facilities Manager,
University of Lyon 2

From a technical standpoint, how did you implement this project?

Monecarte, our partner, has guided us through the deployment of this solution. We first assessed all

“It is, therefore, critical to have easy-to-use hardware and software”

existing equipment. Our access control system only required us to adapt the existing card readers to support the Mifare contactless

technology. We then deployed the required equipment for photo capture, as well as for editing and updating cards within the various entities of Lyon 2.

Can you explain the delivery process of a card?

It is very fast and efficient. One server centralizes all student and staff personal data. It is connected to the various software solutions designed by Monecarte. When enrolling, a student provides us with his personal information. He proceeds to pay his university fees, and immediately gets the card. The photo/video capture system enables instant picture taking. Then comes the electrical customization of smart chips with contact or contactless, and finally the card is printed by an Evolis printer in less than 30 seconds. At Lyon 2, 6 printers are permanently available: 4 at the

enrollment center and 2 at another site for card replacement.

Are you satisfied with the solutions provided by Evolis card personalization?

We are 100% satisfied. Since 2004, we have issued 90,000 cards. 30,000 for the initial academic year, and within just three months. About 12 000 cards were delivered for new students each following year. Ten student assistants are involved in the enrollment process each year. Most of them have no technical knowledge of the tools that are used. It is, therefore, critical to have easy-to-use hardware and software, not to mention the printing quality regarding which we are particularly demanding. The Evolis solutions fully meet all our requirements.