



Innovative smartcard facility management for colleges and universities

FacilityPro Smart Campus



FacilityPro Smart Campus

What's in it for you and your students?

FacilityPro Smart Campus is a user-friendly, cost-effective and secure smartcard solution built around the challenges of effective campus management. Designed by the pioneers of cashless vending in Europe, certified by the banking industry and engineered to integrate with planned development on open e-purse cards in the future, FacilityPro is the informed choice for campus management in a global market.

Traditionally, colleges and universities have issued their students and staff with a variety of plastic cards, many with just a single function, like student ID, library access, access to halls of residence, meal plans, book store allowances and more. By introducing Magna Carta's FacilityPro Smart Campus system, you can consolidate all of these functions into one multipurpose smartcard and centrally manage the complete system.

Imagine a FacilityPro card for your students, staff members and visitors that can support an extensive range of functions, including:

- E-purse for cashless payment at cash registers (cafeteria, book store), photo copiers, printers, vending machines (including laundry), etc.
- Secure ID supported by photo or biometrics
- Physical access into rooms, dormitories and lockers
- Direct selection from your list of print jobs at printers
- Attendance registration at lectures, exams and sporting events
- Car-parking, sports arena access
- The recording of personalized rights and privileges for different user groups/card holders
- PC access and time registration
- Student voting



Consider the many advantages of upscaling campus life with FacilityPro:

- *Reducing or completely removing cash from your campus saves time, reduces overhead and improves security*
- *Faster transactions reduce queues and deliver happier customers and increased revenues*
- *Reports available at the press of a button give the administrators full insight into what is being spent where, when and by whom*
- *Back office software with industry standard database structure compliant back office structure designed to share and access information from multiple databases, keeping the administration tasks to a minimum*
- *Opportunity to introduce and develop loyalty schemes and incentives to selected campus users*
- *One multifunctional card for all facilities, PLUS attendance registration!*
- *Cards can be printed and encoded on a single pass through on a range of desktop card printers with the FacilityPro plug-in*
- *Improve on-campus security with an integrated access control system on the same card*
- *Earns income in advance as cards are constantly revalued*
- *Eradicate wasteful printing*
- *Let your system grow with your campus, adding applications to the card as required*
- *A solution that loves to be networked but still runs if your network goes down*
- *Professional help desk support from your local FacilityPro supplier*

FacilityPro Smart Campus, all you need is on the card



Copying and printing with FacilityPro

Follow-me and printing on demand

Colleges and universities are one of the biggest generators of high volumes of prints and copies. Using their own personalized FacilityPro smartcard, now all students and staff members can pay for all their prints and photocopies electronically, ensuring your service is having its costs covered and waste is reduced.

FacilityPro's modular family of payment terminals, the PayPro 3000 series, has models for all your photocopiers, multifunctional copy printers and print release stations. All transactions, whether copies or prints, are registered. A full range of configurable reports delivers what you need to know on all copies and prints taken.

You can set pricing at different rates for different users. For example: visitors at full rate, students at a reduced rate, teachers for free. Or even: 500 copies a month for free, 50% discount on the next 500, and the full rate after that! No other card system offers such flexibility.

For printing, the FacilityPro terminal interfaces with print spooler software. A huge advantage for the customer is the follow-me print functionality where printing can be paid for and collected at any networked terminal on campus. If that printer happens to be out of paper, the job can be printed from another instead. Another automatic advantage is 'printing on demand': prints are not printed until the customer is there to collect them. For the operator, a huge saving on consumables, for the customer, printing is protected for your eyes only.

The basic principle for printing is that each PC user's smartcard number is coupled with his or her log-in name. Clear and simple instructions are shown on the LCD screen of the print terminal and make it simple to use.

This is how you print:

- ***insert FacilityPro smartcard at any print terminal***
- ***if it's a multifunctional machine, the terminal will ask whether you want to copy or print***
- ***terminal will show print jobs queued for this card (print jobs can also be removed from the queue at the print terminal)***
- ***choose print job***
- ***terminal shows price; different prices can be charged for black and white or color prints, even within the same document***
- ***confirm payment***
- ***after successful payment, the printer will start printing***

The most user friendly and cost effective printer solution ever!





FacilityPro Smart Campus System from Magna Carta

The terminals



Your FacilityPro system can incorporate payment, access and registration terminals, as well as card reload stations. In order to audit and configure these terminals automatically, they can be connected to the local area network (TCP/IP). If this is undesirable, for instance for a remote parking terminal or vending machine, a terminal can be equipped with an analog or GSM/GPRS modem, or audited and configured manually with a PDA.

Card reload stations

A complete range of self-service MultiBank reload stations is available accepting a choice of notes and/or coins. Cards can be revalued, and guest or visitor cards purchased by random users. Cards can also be returned to the machine for a refund of any remaining value before leaving the site. A new terminal has been released for sites wishing to offer direct card loading against payroll and a web enabled solution for card revaluation, anywhere, at anytime with debit and credit cards is also available.

Vending

Equip your vending machines with a PayPro Vending 3000 payment terminal. These can interface with all commonly used vending machines.



- no more pockets of change
- no "out of service" hassles because of coin jams
- better pricing control

Cash registers

At the book store, the laundry, the cafeteria, the library, all over campus: equip your cash registers, or any other Point of Sale with a PayPro POS 3000 payment terminal.

- Keep lines short
- No more handling cash, with all the risks involved
- Fully configurable incentives including discounts and loyalty plans
- Meal plan and value plan programs
- Compatible with major brand POS and cash register providers
- Magna Carta Mini-POS available for smaller installations/applications like kiosks and carts

Access Control

At an access terminal, your FacilityPro card becomes an ID, allowing you to enter the server room, computer rooms, the lab, main entrance to buildings, locker rooms or any restricted area. Equip your electric doors, turnstiles, barriers, or any other access point with an AccessPro 3000 terminal.

You will increase security and can generate reports on who went in where and when.

- Increased security
- Access rights can be assigned, or denied, per card or group
- Connection to the alarm system will open all doors in case of emergency

Copier/printer

Equip your photocopiers, multifunctional copy printers and print release stations with a PayPro 3000 payment terminal: the PayPro Copy 3000, the PayPro Multifunctional 3000 or the PayPro Print 3000.

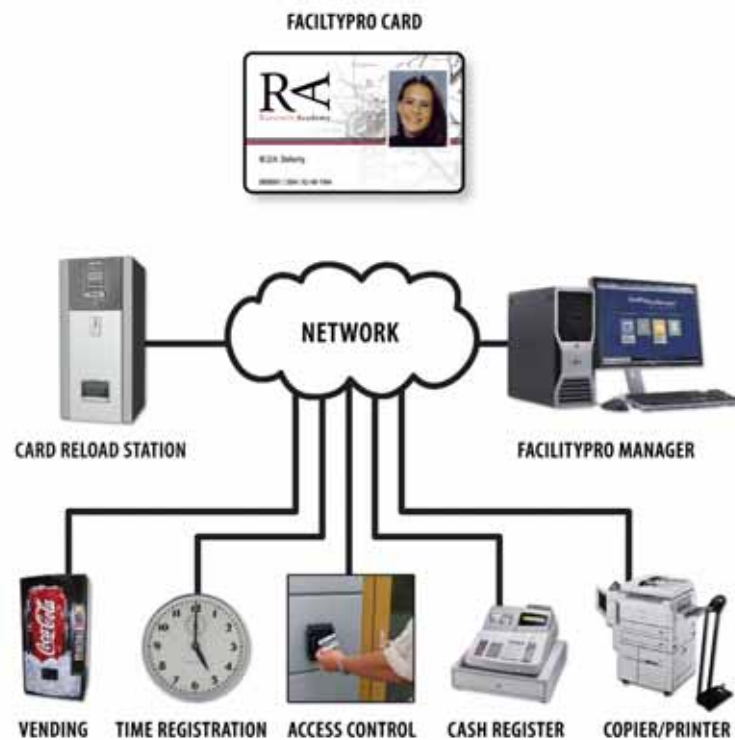
- Supports follow-me and printing on demand
- Dramatically reduces waste and illicit use
- All (free) prints and copies are registered per cost account
- Free copy and print quotas available for lecturers

Time registration

FacilityPro can also incorporate the TimePro 3000 registration terminals for time and attendance schemes.

- keep track of student attendance in class or exams
- Register staff working hours

FacilityPro smart campus system



The software

FacilityPro Manager

FacilityPro offers extremely powerful management software. A large number of standard reports are included, personalized reports can be designed for you by Magna Carta or you can design them yourself.

Equip any number of workstations with FacilityPro Manager from where system administrators can:

- generate reports on what happens on campus, including:
 - turnover at any terminal
 - discount given per cost account
 - turnover per product
 - use of a specific card
 - time and attendance
- change prices and product lines
- assign discount rights for your students and staff
- automatically audit all terminals connected to the LAN at set times
- add lost or stolen cards to a hot list
- audit or configure terminals
- read, write (personalize) or re-write FacilityPro cards

The cards

FacilityPro cards

Each student, lecturer or other staff member at your college or university will have his or her own unique FacilityPro card. Your local FacilityPro supplier can print and personalize these cards for you. Alternatively, you can interface with leading brand desktop card printers and card personalization software and produce cards in a single pass through. FacilityPro Manager's CardPro module allows you to personalize or edit cards on campus from your back-office PC.

Some of the options:

- photo ID
- contact (Java) or contactless (Mifare)
- e-purse
- user rights such as meal plans, free copies, yearly allowance for book store, discounts, etc.
- FacilityPro is based on the Mifare industry standard for contactless smartcards. This allows easy integration with 3rd party access control applications from a wide range of vendors

Rowan Cabarrus Community College

Smart campus in action in North Carolina, USA

Spread over 125 acres in the North Carolina Piedmont, just off Interstate Highway 85 in Rowan County, the two campus site that comprises Rowan Cabarrus Community College has over 6000 students engaged in a wide range of academic studies.

A decision to deploy a campus wide smartcard that supported a range of applications led RCCC to select FacilityPro as the best fit to meet both existing and planned roles on campus for a centralized and powerful card centric solution.

A combination of staff, student and visitor services had to be managed and controlled from a central location by an administrative team, responsible for delivering a high level of service and securing revenue for the campus.

The initial deployment of copy and secure print release facilities for both staff and students will be followed with hot and cold food and beverage vending, cafeteria services and access control.

Opentech Services, Magna Carta's Technical Partner in the North American Market, together with the local and talented team from Bridgeway Solutions, in Charlotte, NC, were well equipped to deliver a successful smart campus implementation, which included a card printing and personalization solution from The Datacard Group, fully integrated into the FacilityPro card management module, together with a fleet of networked print release stations from Pcounter, also a fully accredited Smart Campus Solution partner.



UWIC

Mark Barry, Facility Manager

“University of Wales Institute, Cardiff (UWIC) has over 10,000 students and 1300 staff studying and working across five academic and residential campuses within the city of Cardiff.”

The university has utilized smartcards for the past 10 years supporting such applications as printing, copying, catering and access control.

With over 300 card reader/terminals in use, the replacement of the existing system was going to be a difficult task, particularly ensuring continuation of services with minimal disruption to the end user.

UWIC selected Magna Carta as their proposal seamlessly brought together three leading companies as an integrated solution which met all the requirements. Not only this, Magna Carta, the company and the people impressed UWIC with their approach and response at all stages of the process, giving UWIC a firm confidence that it could work extremely well together with them.'



The Hague University

Wouter van Munster, Facility Management

“We continue to expand and upgrade our Magna Carta smartcard system”

The Hague University is completely cashless. Students pay with their bank cards and staff can get free coffee, copies and prints using their personalized Magna Carta smartcard. We are cashless at over 220 payment terminals, including cash registers, multi-functional copy printers, and vending machines for coffee, snacks and cool drinks. A unique feature at The Hague University is that, for the first time, secure, follow-me printing is possible with both staff smartcards and student's bank cards.

Magna Carta is currently equipping all our terminals with the products in their new FacilityPro product line. This will really improve how the system is used, as the new terminal has a 4-line display and can clearly display all the information about print jobs ready to be collected. The student can now choose which print jobs he wishes to print at the same card reader where he can also make copies. Because all our terminals are connected to the IP-network, communication with the back office is very fast.



Magna Carta

Multi-application smartcard solutions

Magna Carta designs, develops and supplies all the vital components of FacilityPro, a complete smartcard system, ensuring best possible quality at all levels. As a 'turnkey' supplier, our focus is on a complete solution tailored to your specific requirements. Magna Carta is ISO 9001-2001 certified, confirming the quality of all FacilityPro processes and components. All Magna Carta products are compliant with the EU RoHS directive.

Over a decade of expertise with innovative smartcard applications and solution design has positioned Magna Carta as a world class supplier of smartcard solutions. Over 25 Universities and colleges in the Netherlands, as well as higher education institutes in other countries benefit from our secure ID, access control and cashless payment solutions.

Whether you are parking your car, buying lunch, taking a snack from a vending machine, entering your building, using your PC for secure printing, making a copy, **we are there.**

Our approach encapsulates a wide range of card technologies, from Mifare and Java platforms to biometrics and even iris scan technology. A flexible approach to component integration also ensures successful operation with a wide range of POS providers, all major

brand vending machine manufacturers, copier OEMs and print specialists. At every stage of your smartcard journey, **we are there.**

Although FacilityPro is a high level solution with extensive application potential and configuration options, it remains simple to use. Our main objective to optimize the add-on value of smartcards by developing innovative applications has created a unique awareness, within a team of talented hardware and software specialists, of customer requirements and an ability to meet them.

In addition, Magna Carta has a dedicated team of support professionals, positioned to ensure your systems continue to run smoothly and problem free. If an issue arises, it is dealt with quickly and responsibly until it is resolved.

A combined support team of both service engineers and field technicians is well experienced and works together to provide a timely response to any problem a customer may be experiencing, restore normal operations and advise on all and any preventative or service actions required, regardless of your location.



We are already here:

The Canon logo, featuring the word "Canon" in a red, sans-serif font.

HONDA

The Philips logo, featuring the word "PHILIPS" in a bold, blue, sans-serif font.The Uniwell logo, featuring a blue icon of a person with arms raised next to the word "Uniwell" in a blue, sans-serif font.The Casio logo, featuring the word "CASIO" in a bold, blue, sans-serif font with a registered trademark symbol.The IBM logo, featuring the word "IBM" in a blue, sans-serif font with horizontal stripes.The selecta logo, featuring a red circle with a white stylized "S" next to the word "selecta" in a black, sans-serif font.The Heineken logo, featuring the word "Heineken" in a green, sans-serif font.The Toyota logo, featuring a red emblem of three overlapping ellipses next to the word "TOYOTA" in a red, sans-serif font.The NCR logo, featuring a blue and green icon of two interlocking shapes next to the word "NCR" in a black, sans-serif font.The océ logo, featuring the word "océ" in a red, sans-serif font inside a red circle.



MAGNA CARTA CHIPCARD SOLUTIONS B.V.

Naritaweg 126

1043 CA | Amsterdam | The Netherlands

Tel.: +31 (0) 20 582 20 50 | Fax: +31 (0) 20 582 20 51

UK Office Tel.: +44 2892 62 24 25

Website: www.magna-carta.com | Email: info@magna-carta.com

