

THE WORLD OF PARKING

CITEA



LEADING BY EXPERIENCE

It is an undisputed fact that we have been leading the field in parking management right from its very inception. Kienzle began manufacturing parking meters during the mid-1950's, just as the popularity of the car was beginning to take off in Germany. Over the next few years, the mechanical Kienzle meter became a bestseller around the world, setting the standard for modern technology.

Worldwide bestseller

The company then went electronic, going on to develop two highly successful series. Today, HECTRONIC brings you third-generation parking management, combining integrated system solutions with state-of-the-art communications and software products. Our new-look ticket vending machine, CITEA, is the result.

smart parking™, a concept developed by HECTRONIC, covers all aspects of today's parking management.

HECTRONIC - leading the global field

Our concepts and products can be found on six continents, and our highly efficient partner network supports customers worldwide with systems consultancy, project management and customer service. One of our major successes to date has been the PA2 parking ticket machine. There are almost 30,000 machines in operation around the world, guaranteeing the latest in parking management technology. In short, HECTRONIC is a global leader in the parking management industry. As such, we set ourselves the highest standards and constantly aim to strike new ground and incorporate improvements. Our long-term success rests on our belief that progress stems from building on everything we have achieved so far.

HECTRONIC - synonymous with quality

Today, the name HECTRONIC is synonymous with decades of workmanship, innovation and reliability.





MODERN PARKING MANAGEMENT

There may be many interpretations of 'modern parking management'; however, for HECTRONIC, it is clear cut: we always try to see things from the user's perspective. With this in mind, we believe there are six criteria for success:

1. Smooth traffic flow

HECTRONIC, in cooperation with affiliates, is instrumental in the development of intelligent traffic management solutions. The modularity of our products ensures that every car park or parking area can be used and managed to its full potential. This, in turn, guarantees that traffic flow throughout a city is as smooth as possible, which also helps to considerably reduce CO₂ or particulate pollution.

2. Reduction in traffic volume

City centres need to be free moving and not collapse under the strain. For this to be possible, an efficient parking system must be in place with effective parking ticket machines and appropriate charges. In most parts of the world, traffic volume is expected to increase considerably over the next few years, which will make the issue more pressing than ever. HECTRONIC gives town councils an effective instrument with which to control the flow of traffic - by means of a flexible pricing system for instance.

3. Efficient service with fast ROI

There are many quantifiable financial benefits in investing in a parking ticket machine from HECTRONIC; not least the reduction in human effort. The quick, straightforward services offered at the machine reduce idle time and personnel costs. And HECTRONIC's customer service is guaranteed. Your investment soon pays off.

4. Increased takings

HECTRONIC parking ticket machines help to increase takings. A well devised parking system brings in hard cash, guaranteeing urgently required revenue. And remember, these revenues are also well protected. An ingenious safety concept featuring a genuine safe is an independently verified and proven method of protecting your takings until the machine is next emptied.

5. A harmonious townscape

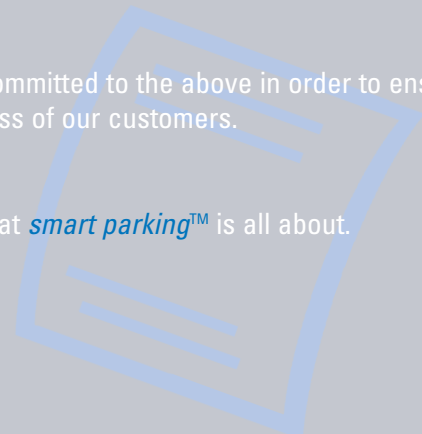
The parking ticket machine also has to attain high standards in terms of appearance, and must not look out of place in its surroundings. Thanks to their elegant design, HECTRONIC parking ticket machines blend well into any town or city environment and yet, despite their unobtrusive appearance, they are clearly recognisable as pay and display parking ticket machines.

6. User friendliness

User friendliness helps to increase acceptance of the entire installation. People can see the sense of having to pay to park their car; what they don't like, however, is the frustration of trying to figure out how to use a complicated parking ticket machine. HECTRONIC always makes allowances for this; our machines are easy to use with a clear user interface.

We are committed to the above in order to ensure the success of our customers.

That's what *smart parking*[™] is all about.



TICKET VENDING MACHINE

THE NEW GENERATION OF PARKING TICKET MACHINES

The new generation of Hectronic parking ticket machines goes by the name 'CITEA' and offers everything for modern parking management in the 21st century. Tailor-made and efficient, these new machines allow every idea to be realised. There are two CITEA models, CITEA Smart and CITEA Pin. You are thus able to choose the perfect parking ticket machine for you - worldwide, with no major adjustments required. The CITEA duo combines proven elements with new components.

CITEA Smart

CITEA Smart is the all-rounder of the two, allowing payment by coins, bank notes or card. Its sturdy, anodised aluminium housing offers excellent protection against vandalism and theft. Its buttons are clearly laid out and can be individually labelled. The tariff sign is situated at eye level.

CITEA Pin

CITEA Pin features a PIN pad and second display screen. The PIN pad and display screen are angled as an anti-skimming measure (to prevent PIN theft). The card reader and PIN pad do of course comply with the EMV and PCI standards, meaning that CITEA Pin supports payments by chip cards (credit or debit cards containing an embedded computer chip). Payment by coins is also supported.

It doesn't stop at parking management - CITEA can be used for so much more!

Although CITEA is ideally suited for use within the sphere of parking management, its features also make it suitable for other tasks. As previously demonstrated by the successful PA2, which forms the basis for this new HECTRONIC product, it is ideally suited for use at swimming pools to issue tickets at the turnstiles, in skiing areas to issue parking tickets and provide access to cross-country runs or at museums to issue admission tickets. In other words, CITEA can be used wherever there is a need to control admissions or issue tickets. And this is precisely why we refer to it as a ticket vending machine.



THE CITEA GENERATION BOASTS THE FOLLOWING FEATURES:

- Different battery charging methods: integrated solar technologies, external solar technologies and a mains adaptor for connection to external mains supply or street lamps.
- Various communication options: LAN, SMS via GSM and GPRS via GSM
- Multiple payment methods: coins, smart cards (including contactless), credit and debit cards (chip cards or magnetic strip cards) and online and offline card clearing
- New and intuitive user interface
- An integrated and protected mobile antenna
- Multilingual menu
- Optimised coin processing
- Compatible with earlier HECTRONIC parking ticket machines
- A clear interior structure
- Straightforward component replacement (no tools are required)
- Security: solid reinforced steel interior, safe, slot locks, coin validators



CITEA SMART

CITEA PIN

OPTIONAL EXTRAS

- Card reader for HECTRONIC parking ticket system, European electronic purses, credit and debit cards (chip or magnetic strip)
- Contactless cards (Mifare-based for instance)
- Modem
- Solar - mains supply 230V/110V
- Heater (only available with mains supply)
- "Night design" lighting
- Electronic lock with reinforced safe
- Alphanumeric keypad
- Bank note acceptor
- Bar code printer (EAN 13, 128C etc.)
- Graphics printer, for printing town crest, company logo etc.

Software solutions are a key issue when it comes to making intelligent investment decisions: the PA-Manager software package brings together all the necessary data, such as tariffs, display texts and advertising texts, parameters and configurations for parking ticket machines, in one central database which also stores all the data collected by the individual machines. It is a comprehensive, professional package for maintaining, monitoring and optimising larger machine pools. PA-Manager also supports password-protected access control, meaning that user rights can be assigned with different levels of access. And any amendments to tariff data, parameters or transfer data are logged for each machine. Furthermore, text that appears on the machine's display screen can be edited, saved to the database and transferred to the parking ticket machine. The same applies for text that is to be printed on the ticket.



Its future-oriented features are as follows:

- SQL database applications
- Client/server solution
- Modular software components
- Able to support mCommerce applications
- Supports current operating systems

HECTRONIC has developed different software modules to support every intended purpose of an installation, which meet the specific requirements of that field of application. The benefit to you is that you simply choose which best suit your needs. All modules run on the latest Windows versions and use an SQL database. The client/server technology offers secure access over local networks.

STANDARD MODULES



PA-Manager Tariff Edition

This basic version is ideal for master data administration of the machine pool. It is used for creating and amending tariffs and parameters.



PA-Manager PACS Edition (PA-Control System)

This module is the ideal tool for monitoring your machine pool online. It receives real-time information about status, warnings and finances from the machines. Cash journals provide detailed information.

ADD-ON MODULES



PACS-Client

PACS-Client is an additional workstation licence for displaying warnings, faults and status information from the machines in the network (LAN/WAN).



PA-Communication

This add-on module provides bi-directional communication between central and linked parking ticket machines to exchange information and text about tariffs, parameters and payments for instance.



PA-Statistics

Statistics are important. This module supports value-based and graphic-based analyses of status information, warnings and takings.

HECTRONIC PARKING TICKET MACHINES AROUND THE WORLD



1 **Sydney:** over the past few years, 800 Hectronic parking ticket machines have been installed Down Under, and this number is growing.



2 **Graz:** the Austrian city of culture is breaking new ground in the field of parking management, and realising their innovative ideas by installing 800 HECTRONIC parking ticket machines.

3 **Lisbon:** the Portugal capital is enjoying the benefits of 700 Hectronic parking ticket machines whose ingenious design is setting new standards in the field of parking management.



4 **London:** exhibition centres in the capital have benefited from hassle-free parking management thanks to CITEA Pin with 'chip and PIN' card reader.

5 **Frankfurt:** 500 parking ticket machines have so far been installed in Germany's centre of finance.

TICKET VENDING MACHINE - MUCH MORE THAN A PARKING TICKET MACHINE

1 **Cross-country ski runs:** The Austrian ski resort Unken is using HECTRONIC ticket vending machines to dispense pay and display parking tickets in addition to access tickets for its cross-country ski runs.



2 **Swimming pools, museums, harbours etc.:** HECTRONIC machines are already being used to dispense admission tickets to the most varied of attractions.



3 **Railway platforms:** In India, if you want to enter the train station, you first have to buy a ticket. When doing this in Bangalore, you purchase your ticket from a HECTRONIC machine.

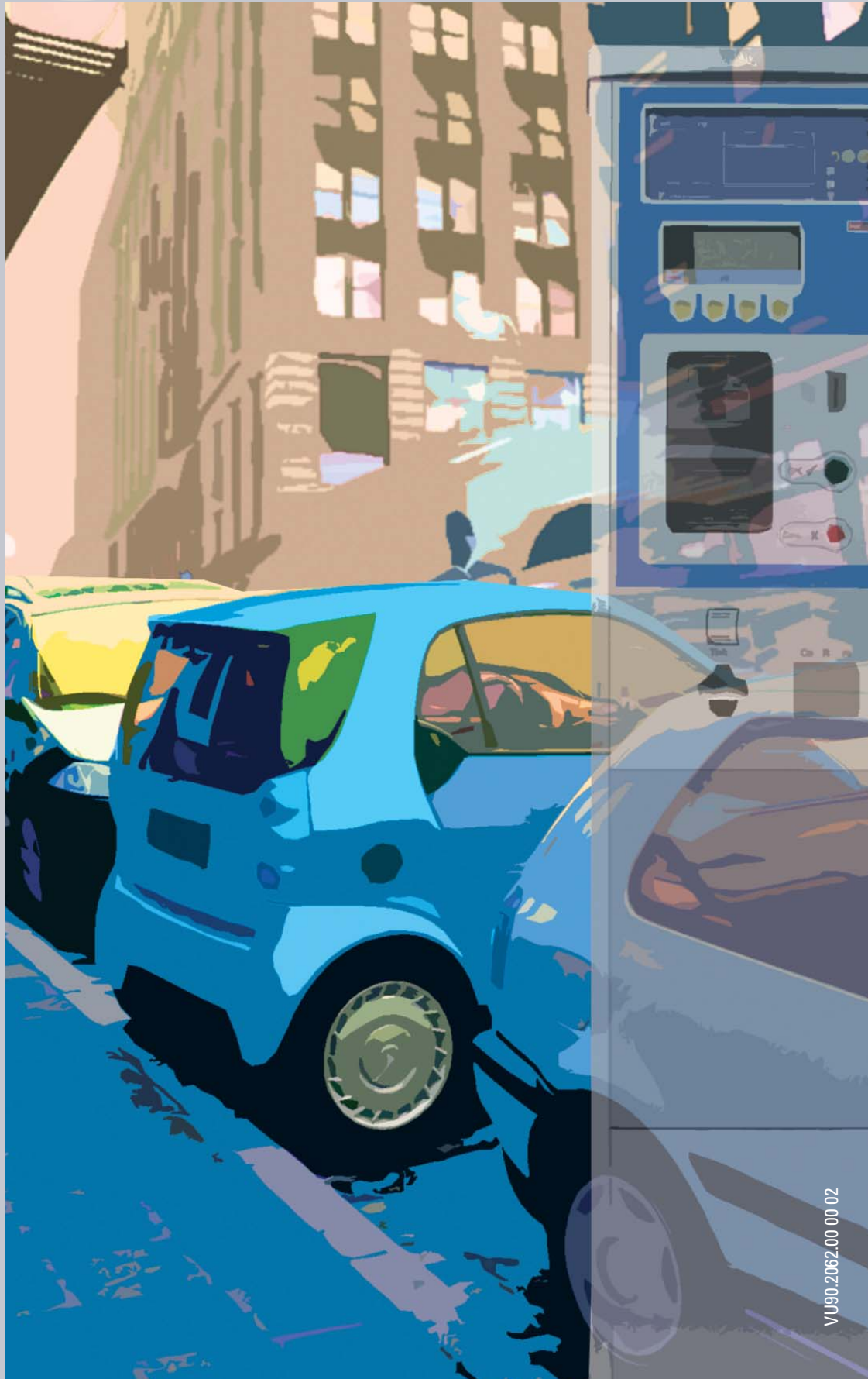
4 **Cafeterias:** An automated way of buying lunch. HECTRONIC machines can be installed at any cafeteria; simply insert your card, enter the amount and hit the buffet.



5 **Golf courses:** Thanks to HECTRONIC ticket vending machines, you can enjoy an early round of golf before the staff have arrived. Once you have paid at the machine, you will be able to access the course.

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