Intelligent “Parking” Solutions
Drivers, urban planners and private car park operators have totally different takes on the “parking” issue. It’s a good thing that Siemens ITS offers proven solutions that open up a new world of parking for everyone. A world where drivers are guided reliably and on the shortest route to the nearest free parking lot by our systems, which thus help substantially reduce traffic in search of a parking space and ensure optimum management of valuable parking space.
Optimum car park occupancy and hassle-free operation ...

... are among the key goals of car park operators. The intelligent solutions in our “Off Street” portfolio for multi-storey and underground car parks create a new world of economic efficiency. Read more on pages 4 and 5.

How to efficiently manage public parking facilities ...

... is an important question for many municipal authorities. Our extensive “On Street” portfolio offers many interesting answers in the form of pay-and-display machines and parking space management software. Have a look at our short overview on pages 6 and 7.

Reducing parking-related traffic in the inner city ...

... is an important task of traffic planners. Our parking guidance systems provide valuable support in fulfilling this task. For more details, refer to pages 8 and 9.

Secure financing, reliable service, comprehensive traffic engineering expertise ...

... are topics of central importance for every customer. Siemens ITS has an unusually attractive range of offers also in these areas. For an overview and a portfolio synopsis, please go to pages 10 and 11.
Every parking space can be individually addressed

Our SIPARK® SSD system is a professional solution made to industrial standard. "Measuring instead of counting" is its working principle. An ultrasound sensor installed above every single parking space determines with 100 percent accuracy if the space is occupied or not. All data are transmitted to the control center in real time. This allows the realization of uncommonly practical functions. For example, individual parking spaces or zones can be reserved at any time for specific user groups; every driver is guided on the shortest route to the next available parking space; in case the spaces reserved for a specific user group are occupied, entry can be blocked for this group exclusively.

70,000 successful installations, from Abu Dhabi to Zirndorf

More than 70,000 parking spaces in multi-storey and underground car parks all over the world are already being monitored and controlled in a professional manner by SIPARK SSD.

For instance at Munich Airport, as part of the world’s largest parking guidance system. In the multi-storey and underground car parks of Munich Airport’s two terminals, over 15,000 parking spaces are equipped with occupancy sensors. But of course, SSD is useful for much smaller applications, too. We have even realized special projects with no more than 10 parking spaces based on this system – to the fullest satisfaction of the customer.

Vehicle theft excluded

Our parking systems are also perfectly equipped for special safety and security requirements. At Domodedovo Airport in Moscow, for example, our parking solution makes vehicle theft impossible: during entry, each vehicle’s license plate is automatically recorded and then associated on the software level with the parking ticket just issued to the vehicle’s driver. Thus any vehicle can only pass the exit gate by means of the right parking ticket. In this car park, vehicle theft is definitely excluded.

Car park systems for more convenience and faster processing

Our SIPARK PMA barrier-paystation systems considerably speed up entry, payment and exit procedures. From the loop detectors and the access control equipment right up to barriers, pay stations and management systems – everything about SIPARK PMA is designed for expedient processing, simple handling and prompt support.

Examples: The entry barrier opens – and closes – within one and a half seconds. Of the 10,000 tickets that can be stored in the entry unit, each takes only 1.9 seconds to print – a record time. And because the entry and exit units themselves are equipped to accept value, credit and long-term user cards, many car park users don’t even need to go and look for a pay station before leaving again.
Our SIPARK SSD and SIPARK PMA product lines make car parks much more attractive for operators and users alike. With their fast and smooth processes, they also boost car park occupancy because car park users appreciate convenient parking facilities. In addition, thanks to their advanced system structure, the systems offer totally new possibilities for network integration and management. No matter if you have to manage 10 parking spaces or 10,000!

Optimum occupancy.
And general satisfaction
Parking is (no) art

For municipal authorities, the commercial management of public parking facilities is not only a source of income, but above all an effective traffic policy tool. Because parking fee levels have clear traffic regulating effects! With the pay-and-display machines provided by Siemens ITS it is no art to successfully reach these goals. On top of that, their attractive design enhances the visual appearance of public space.
Three families, one system

Our portfolio includes three product families of pay-and-display machines, each of which has been designed for meeting specific key requirements. One family is equipped with an especially effective vandalism protection (SITRAFFIC® Sicuro); another scores with its distinctive design and its use as an advertising medium (SITRAFFIC Prisma); the third family comprises particularly flexible high-end solutions (SITRAFFIC Sity). In more than 20 countries, over 18,000 of these pay-and-display machines are already installed – some of them have been serving reliably for 15 years now.

No data cable, no external power supply

Our pay-and-display machines can generate their own electric power and carry out all data transmission tasks without any external cabling – thanks to an integrated solar panel and modern mobile radio links according to GSM or GPRS standard. This substantially reduces the costs for installation and operation and, in addition, enables convenient remote monitoring of all pay-and-display machines right from the central office. With our powerful software tools, technical monitoring and remote configuration of the machines can be executed "with a click of the mouse."

Large choice of payment modes

Coins, banknotes, EC cards, “electronic purses,” credit cards – our pay-and-display machines are equipped to accept the widest variety of payment means, depending on customer requirements. The particular advantages of cash-less payment make for added convenience and security: the customers benefit because they need not rummage for coins anymore; and the operators benefit because the money is immediately credited to their accounts and no cash boxes need not be exchanged. In cities with a high crime rate, cash-less payment facilities are a decisive plus.

Always on the safe side

Safety and security – a multi-faceted topic with pay-and-display machines. The units must provide cash-less payment facilities, they must be able to brave the elements for long-term value retention – and they must be safely protected against vandalism, manipulation and theft. When it comes to meeting all these demands, our units are an excellent choice. They are housed in strong stainless-steel casings, their powder-coated surfaces are treated with an effective anti-graffiti protection, and strong-boxes can be incorporated on request.
Up-to-the-minute information is the best decision support

Wherever our dynamic parking guidance systems have been deployed, parking-related traffic is no longer an issue. The drivers are informed in good time on the current occupancy levels of the various parking lots and car parks, allowing them to plan their route accordingly and reach their destination in the shortest time possible. The community benefits in several ways from these systems: occupancy levels of less frequented parking lots and car parks are increased and the attractiveness of the inner city is considerably enhanced.

Parking guidance systems beyond island solutions

Until recently, parking guidance systems were operated as separate installations. Integrating them on the data processing level with the municipality’s other traffic systems was often too complicated and rather costly. With our SITRAFFIC traffic computer and traffic management systems such island solutions are a thing of the past! Our parking guidance systems can be fully integrated in these higher-level traffic systems and simply run as sub-systems.

Which system is the first to be installed is of no significance – the systems are open to expansion in any direction.

From the smallest to the most complete solution

Thanks to the modular design of our technologies, the range of functionalities and the size of every system can be precisely tailored to the customer’s application. No matter if only a single dynamic display panel is needed or if an entire network of arterial roads has to be equipped with them – our systems are made to measure and can be expanded at any time. The Bavarian city of Bamberg, with its 70,000 inhabitants and four centrally located car parks, needed only 51 LCD display panels as direction signs.

In contrast, our biggest project to date required the installation of several thousand panels. The “Ruhrpilot” project is one of the largest traffic systems ever installed by Siemens ITS. Ruhrpilot has brought a gigantic conurbation under one technical “traffic control roof”: 53 cities, more than 70 train stations – and all above-ground and underground car parks in the entire area.

Reserve a space from your PC at home or in the office

The networking of all traffic systems on the data processing level and the use of Internet technology allows the realization of completely new applications. More and more municipal authorities are making up-to-the-minute traffic information available on the Internet. Of special practical value is a system function that efficiently supports our parking systems: via the Internet, it is possible to reserve a parking space in a particular car park; if this car park is equipped with our individual parking space monitoring, customers can even choose a specific parking space, for example one that is close to the exit they plan to use. Such convenient applications are only made possible by the inclusive integration of all data flows – information is truly everything.
Up to 40 percent of inner city traffic is caused by drivers looking for a parking space – even at normal times. On the Saturdays before Christmas, the proportion may easily soar to 90 percent and cause general gridlock. Making information on free parking space already available at the city’s perimeter on the major arterial roads will substantially reduce parking-related traffic. Siemens ITS always takes such interdependencies into account. Our parking guidance systems and our traffic control and management systems are perfectly coordinated for optimum interaction.
Expert advice is not far.
And free of charge to boot

Our sales engineers are experts in all areas of parking technology. That is to say, they are not only familiar with every detail of our SIPARK and SITRAFFIC solutions and products, but they also understand our competitors’ systems as well as the requirements and problems of owners and operators. All through the planning stage of a solution, our first-rate experts support the customers with sound advice – free of charge and without obligation.

Service and maintenance contracts made to order

Customized service and maintenance contracts help ensure that each solution is serviced to exactly the extent desired by the customer. It makes sense to conclude also a preventive maintenance contract, because then no necessary steps will be accidentally forgotten and potential causes of malfunctions can already be remedied early on before they present a risk. By the way, our service portfolio includes an attractive electronics insurance that we will arrange directly with the insurer if requested.

Control center manned around the clock

As part of a service agreement, our “24/7” technical control center is available to our customers every day and around the clock. In conjunction with our worldwide spare parts logistics services, this control center guarantees immediate and efficient help in any emergency.

Individual financing solutions offered by Siemens Financial Services

We will be glad to help you define and arrange the optimum financing facility for your project: for instance an attractive leasing contract; or a financing solution in which the revenue generated by the newly installed system pays for the investment; or even an operator model in which Siemens becomes your long-term partner.
An added-value partner. And a comprehensive portfolio for all “parking” needs

- **SIPARK PMA barrier-paystation system**
  - Loop detectors
  - Barriers
  - Entry and exit control units
  - Pay stations and manual payment systems
  - Hard- and software for administration and management

- **Parking guidance system for car parks**
  - SIPARK SSD individual parking space monitoring
  - Ultrasound sensors
  - Dynamic direction signs
  - Dynamic remaining-space displays
  - Hard- and software for administration and management

- **Pay-and-display machines**
  - SITRAFFIC Sicuro
  - SITRAFFIC Prisma
  - SITRAFFIC Sity

- **On-street parking guidance systems**
  - SITRAFFIC Concert
  - SITRAFFIC Canto
  - Dynamic occupancy indication signs

With a workforce of around 450,000, Siemens is one of the largest international companies and active in 190 countries around the world. This means that customers deciding in favor of one of our parking solutions are provided – “automatically” so to speak – with a wealth of services and individual financing facilities far beyond what is usual in the market. What is more, Siemens ITS is the only supplier to offer a complete solutions portfolio for all aspects of parking. In short: an added value that always pays off for municipal and private operators.
For further information please contact:

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