

Internet-based Parking Space Management for Sports Arenas from Setrix

Setrix offers operators a cost-effective solution for the management of parking spaces at sports arenas.

The system consists of a complete internet-based parking guidance system for sports arenas. It provides great flexibility and can be optimally integrated into the customer's own operating procedures. The software is browser-oriented. Existing parking systems can be fitted with counting systems, if these are not already available. To this end, Setrix offers a compatible car counting system. The parking systems are networked via mobile radio and afford an efficient infrastructure with no need for a large capital investment. Savings are also achieved by avoiding the cost of cable laying

Advantage: use of existing infrastructure, minimal connection costs, can be expanded any time in the future. The system can be integrated into superordinate parking guidance systems (e.g. municipal systems).

The system enables the implementation of new operating models for parking guidance systems. The benefits can be extended to other user groups such as external security services and stadium visitors.

The solution is service-oriented. Customers do not have to administer a server on their own premises. Backup, restoring and monitoring is performed automatically by an internal or external service provider. This minimizes total cost of ownership (TCO) of the server system. It also makes it easy to implement operation of the parking guidance system by a third party.

Advantages

The advantages of internet technology for operating a parking guidance system:

- **Service-oriented**

Functions are available via the internet and can be executed by all authorized users.

Own hardware not required.

- **Browser-based**

Installation on special PCs not required. Software is updated on the server.

- **Hardware with high availability**

Server operated in a computer center or special department. Advantages: redundant hardware components, rapid and direct maintenance, high-speed and high-availability of internet connection

- **Scalable**

Multiple servers ensure high availability and additional parking garages and message signs are easily implemented.

- **Flexible**

Smooth integration into the customer's operating procedures. All participants receive user rights so they can execute functions.

Can be adapted to organization changes at any time in the future.

- **Low price**

Enables most cost-effective operation of the system

The software is web-based. Does not need to be installed on a special computer. Software can be started anytime and anywhere. All that is needed is a browser and internet access.

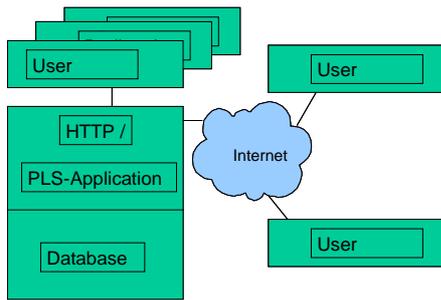


Fig.: Internet-based PGS – Server structure

A central server in the internet executes the PGS application and the database. This computer does not need to be installed on the customer's premises. This means it is easy to operate the computer in a computer center for optimum availability and communication links. The software enables both the capturing and monitoring of the counting result as well as planning of parking management for individual events.

Customer departments as well stadium operators, security services and municipal departments can access the service at all times. The group of authorized users can be extended at any time. New possibilities for integrating operators and stadium visitors can be easily implemented.

Benefits of the Setrix solution

Optimal integration into the customer's organization, minimal cost of operating the parking guidance system and scal-

ability are outstanding features of the Setrix solution.

Deployment of the Setrix PGS system brings benefits for everyone:

- **Planners:** optimum operating model for customers, integration of additional users
- **Suppliers:** easy installation and new maintenance options
- **Operators:** optimum servicing structure for each individual organization
- **Customers:** Innovative solution, more utility and optimized operating costs

Selected applications

Setrix solutions with GPRS communications:

- **Cologne:** Connecting vehicle data capture systems to stadium parking places and to stadium parking control center via GPRS

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