

**FROM THE SMALLEST
TO THE MOST
EXTENSIVE SOLUTION**

Whether you are looking for a parking solution for 10 or 16,000 parking spaces – our MG SSD car park guidance system will provide you with a uniquely tailored solution to meet your needs. Since our system monitors every single parking space, it is far more accurate and flexible than the conventional counting systems. Furthermore, MG SSD is based exclusively on hardware and software components that are setting worldwide standards in a wide variety of industrial sectors and have proven their functional worth and reliability in countless applications.

With its complete modular structure, MG SSD can be perfectly adapted to suit projects of any magnitude. So no need to pay for an over-sized solution – the system can always be expanded to cover additional parking spaces or customized to include new functions.



Simplifying **Parking**

MG Single Space Detection



Technology at work for you

SIMPLIFYING YOUR PARKING WITH THE MOST ADVANCED TECHNOLOGY

"Measuring instead of counting" is the working principle of MG SSD. Every single parking space is equipped with an overhead ultrasound sensor that detects its occupancy status and transmits the data in real time to the control system. This guarantees an accuracy of virtually 100 percent because it prevents the accumulation of possible counting errors. The full transparency of occupancy levels and exact locations enables a number of advantageous functions that mere counting systems cannot provide.

For the car park users, MG SSD provides convenient and stress-free parking because they are reliably directed via the shortest route to the nearest free parking space. For the car park operator, MG SSD means much more: optimized occupancy, reduced emission levels, flexible parking space allocation or reservation for specific groups of users, as well as a multitude of statistical analysis tools. In short: MG SSD provides everything to optimize the car park management.



CUSTOMIZED SOLUTIONS

Thanks to its hierarchical system structure, MG SSD offers a truly extensive array of possibilities for customization and intervention. The system includes tools to integrate the full CAD plan into the GUI; the user has the possibility to zoom into the parking map to see more details of the selected parking area.

MULTIGUIDE STRENGTHS

- Front sensor for open air parking areas
- Products are developed and manufactured in Germany
- Well establish technology, more than 15 years in the market with continuous evolution
- Easy commissioning
- Low maintenance
- International team and global footprint



MG TOP SENSOR

The MG Sensor is based on a distance measurement using ultrasound. A controller in the sensor compares the currently measured distance value calculated with a reference distance value. If there are objects between the sensor and the ground the sensor status reports "occupied" for the control logic.

- Up to 6 different colors can be configured remotely by using RGB LED (Free/Occupied/Handicap, etc.).
- The brightness of the LED can be configured on a scale from 0 to 100%.
- Special events (time monitoring, reservation of spaces, or guidance for specific customer groups) can be indicated by the free selection of colors or blinking LEDs.

DATA CONCENTRATOR

The data concentrator is the link between the management level and the field devices with serial interface. It implements the Ethernet frames from the control logic on the serial protocol.

The sensors and displays are supplied with 24V DC from the DACO 4G.

Flexible solutions for your parking site

PARKING SYSTEM THAT PROVIDES THE FULL END TO END SOLUTION

DISPLAYS

MultiGuide displays use LED technology. Generally, four different displays are used inside a car park: The Zone Display directs drivers to areas with free parking bays by displaying green arrows or red crosses, whereas the Numerical Display shows the number of available parking bays, and the Free/Occupied Display shows a fixed text.



The fourth display is the Entry Sign that is usually mounted outside of the car park. The Entry Sign may also include modules of the Zone, Numerical or Free/Occupied displays.

The Numerical Display modules can be combined into large displays that represent the occupancy status of each individual floors or different car parks.



VISUALISATION & STATISTICS

The MG control center provides a wide array of useful data and statistical analyses, for example information on the current overall car park occupancy, or the occupancy of each zone or car park level at certain times of the day, or even occupancy patterns of individual parking spaces.

The system even records parking times to find out the average occupancy time of a specific parking area with a simple mouse click.



OPEN INTERFACES

By the SOAP XML module the MG SSD is able to exchange information with other systems like Car Finder or ground sensors.

