



PERFECT SOLUTIONS IN TRAFFIC SYSTEMS





outdoor parking

Parking in the city and other outdoor areas.



indoor parking

Parking in indoor car parks and underground garages.



displays

Dynamic LED direction signs for the best possible parking navigation.

Index

→ page 1	.....	MSR-Traffic - the company
→ page 2 | 3	.....	outdoor parking
→ page 4 | 5	.....	indoor parking
→ page 6 | 7	.....	displays
→ page 8 | 9	.....	applications



the company

competence gained from experience

■ MSR-Traffic improves the quality of life with intelligent parking guidance systems

MSR-Traffic offers innovative sensor technology that enables counting and single space detection of vehicles indoors and outdoors. The goal is to direct car drivers to the nearest available parking space via GPS navigation or dynamic guidance technology. The system does not only improve the cities' attractiveness and quality of life but has also great economic benefits.

All MSR-Traffic products stand for security, reliability, innovation and cost effectiveness.



outdoor parking

parking in the city - with connection to the smart city network

■ MSR-Traffic outdoor solutions

MSR-Traffic's cutting-edge magnetic field sensor technology guide car drivers to the next free parking space.

The wireless sensors are weather-proof and offer a very high detection accuracy. They are installed underfloor and cast flush with the road surface, so that they are vandal-proof and protected from snow-ploughs.

If a vehicle enters a parking space, the sensor detects the change in the earth's magnetic field and signals this information to a server via radio waves for processing and evaluation. Seamless integration with navigation systems, parking guidance systems and ticket machines possible.



your benefits



- precise monitoring of all parking spaces
- minimum installation effort
- short payback period
- reduction of CO₂ emissions
- suitable for outdoor areas
- high detection accuracy

- reduction of traffic produced by the search for a place to park
- optimised parking utilisation
- relief of parking attendants due to fast and exact (up-to-the-minute) billing of parking fees
- sensor installation without wiring



indoor parking

efficient solutions for multi-storey car parks and underground garages provided by MSR-Traffic

parking guidance, counting and vehicle detection on single parking spaces

Ultrasonic sensors register the availability of every single parking space and process the information with a controller/central PC. The car park occupancy data are visualised and indicated on LED displays installed on every car park level and at the main entrance. With this system customers are guided to the nearest available parking space. A benefit that doesn't only save the car drivers valuable time but also reduces the traffic produced by endless searching. Moreover, the optimised parking utilisation decreases ventilation costs.

The detection and counting of in- and outbound vehicles in indoor parking garages with MSR-Traffic systems can be realised for whole areas and single levels.



your benefits



- long lifetime
- precise monitoring of all parking spaces
- optimum car park utilisation
- high detection accuracy

- no additional maintenance costs
- significant traffic reduction
- decrease in ventilation costs
- sensor and status LED in one housing



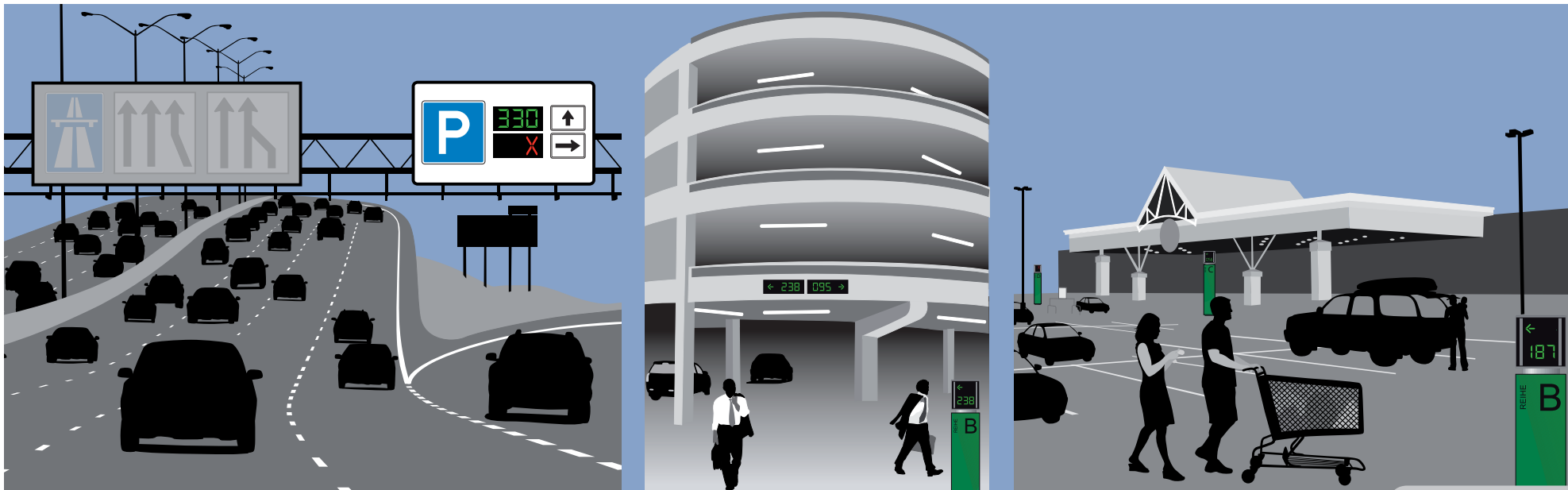
displays

dynamic LED signs - best possible parking navigation

■ MSR-Traffic solutions for urban areas

MSR-Traffic dynamic LED displays complete the company's product portfolio and offer project developers the possibility to get all the necessary systems from one provider.

Numbers, arrows and symbols can be configured individually.



your benefits



- long lifetime
- no additional maintenance costs
- customer-specific configuration

- modern design
- weather-proof
- good legibility



better quality of life...

...and less environmental impact

- **reduction of traffic produced by parking space search + more driving pleasure + improved car park utilisation**

Perfect solutions for traffic systems make cities more attractive, because they make life easier for motorists. Congested roads stress car drivers out even more so if they have to go around in endless circles to find a parking space. If car drivers are directed to free parking spaces it gives them more security and makes them feel relaxed. Also there will be a lot less traffic. But also from an economic viewpoint MSR-Traffic systems make sense because the parking tax revenues will increase due to the improved utilisation of inner city on-street parking spaces. Did you know? As from now, you can lease MSR-Traffic systems which is another great advantage for cities, municipalities and car park operators regarding their liquidity.



applications



- airport parking
- parking at shopping malls
- parking in hotels

- parking in commercial parks
- parking at hospitals
- city parking

■ **MSR-Traffic GmbH**

Würdingerstraße 27a
D 94060 Pocking - Germany
phone: +49 8531 9004 0
fax: +49 8531 9004 44

info@msr-traffic.de
www.msr-traffic.de

