

CASE STUDY



Rivers Casino - Des Plaines, IL

The newly built Rivers Casino is located in Des Plaines, Illinois. To assure their customers found parking easily and efficiently they implemented a Parking Guidance System from TCS International. Additionally, the system provides the ability to monitor the quantity and duration of parkers.

TCS provided a customized Parking Guidance System utilizing Ultrasonic End of Parking Space Sensors. Mounting the sensor at the end of parking space allows the sensor portion and LED lights to be enclosed in the same housing, saving installation costs. The sensor houses LED lights which illuminates red for occupied and green for unoccupied.

Variable Message Signs installed throughout the facility display parking space availability and other information. The TCS Visual Control Center software package is used to manage the system providing a user interface and statistic information.

Installation Highlights:

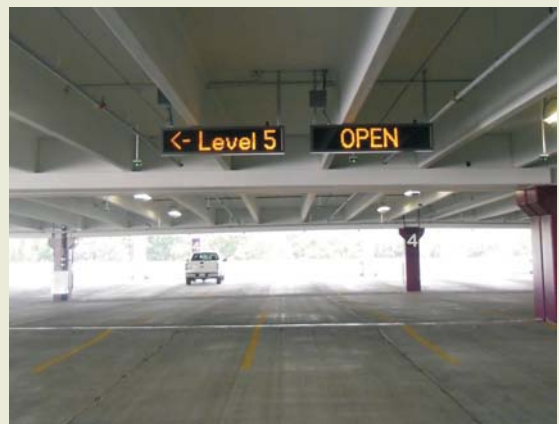
- End of Parking Space Sensors
- LED occupancy indication on single space sensors
- Monitoring of parking duration for each parking space
- Wireless mesh network uses less cable than traditional parking guidance systems
- Server with communication through customer's existing network
- Variable Message Signs guide parkers to available parking spaces throughout each level
- Variable Message Signs also capable of displaying marketing or promotional information



Ultrasonic End of Parking Space Sensor with LED occupancy indication



Ultrasonic End of Parking Space Sensor



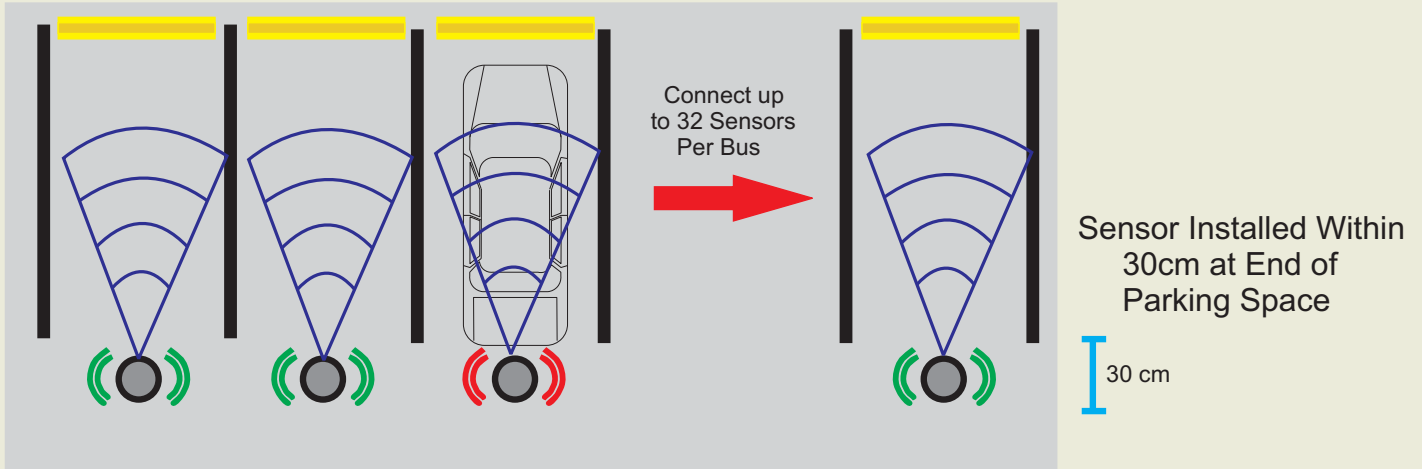
Variable Message Signs Guide Parkers to Available Parking Spaces



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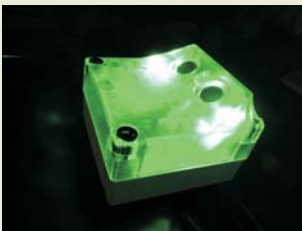
Typical Installation



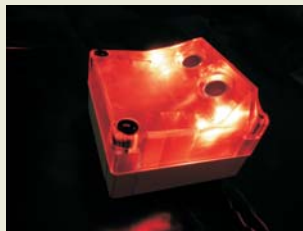
Installing the ultrasonic sensors at the end of the parking space reduces cabling costs normally associated with running conduit and cable from the sensor to an external light.

The TCS Ultrasonic End of Parking Space Sensor monitors the parking space from the edge of the parking space with angled ultrasonic emitters and receivers.

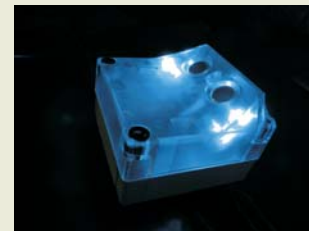
Sensors come standard red and green, or red and blue for ADA/handicap spaces.



Unoccupied



Occupied



Unoccupied ADA/
Handicap Space

About TCS

TCS International manufactures and designs intelligent parking guidance solutions. Real time monitoring allows our customers to promote open spaces, and improve vehicle flow by reducing “cruising” which increases operator and customer satisfaction. Getting customers to their destination more quickly has the added benefit of reducing your facility’s carbon footprint. TCS conceptualizes, manufactures, and continually improves all of its products by harnessing over 100 years of direct industry knowledge found in its product development team. From wireless intelligent parking guidance systems, to automated parking management solutions, TCS provides end-to-end solutions to monitor and facilitate car egress for any facility.

