

CASE STUDY



Old Dominion University—Norfolk, Virginia

Like many colleges and universities, managing the access to parking for a diverse group of drivers (students, faculty, visitors, etc) is a challenge. In order to add organization and logic for parkers, ODU turned to TCS International to facilitate access into and out of their parking facilities. The installation uses a sophisticated combination of variable and dynamic messaging signs, ultrasonic directional sensors, the university's existing IT network and powerful TCS software to make parking easy for all parker types.

Installation Highlights:

- Ultrasonic directional sensors provide accurate vehicle counts
- Double and single sided parking guidance signs with variable message displays installed at key decision making points throughout the campus
- Dedicated PGS server located in the parking and security office
- State-of-the-art message library driven by count status, time of day, and parker type



Dynamic message signs allow parkers to make intelligent decisions.



Dynamic signs at key decision making points help parkers locate the nearest available space.



Old Dominion University uses TCS International's powerful counting software which includes preset statistical analysis and the ability to perform ad hoc queries. Reports are accessible via browser based access for immediate real-time system updates. Alarms and messages are updated real-time and can be delivered to a cell phone or PDA. All LED signs meet the highest standards including light intensity sensors based upon ambient light, and MBFT of 100,000 hours/10 yrs.

Technologies:

- complex parking guidance
- wayfinding
- customer network infrastructure
- space counting
- high-volume
- level counting
- garage open/closed status
- variable message library driven by system data
- ultrasonic directional sensors
- client/server backend



Facility signs indicating space availability

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.

