

CASE STUDY



GlaxoSmithKline - North Carolina

GlaxoSmithKline is one of the world's leading research-based pharmaceutical and healthcare companies. They required a parking guidance solution to make parking easy and efficient for the influx of employees relocating to their North Carolina campus.

TCS provided a customized Parking Guidance System utilizing anti-tailgating loop detector technology for tracking vehicles in their four large employee parking garages. Additionally, Ultrasonic Single Space Sensors were used to monitor the handicap parking spaces in each facility.

Facility roadway signs were installed throughout the campus along the main road to display parking space availability for each garage. The TCS Visual Control Center software is used to manage the system providing a user friendly interface and statistical information.

Installation Highlights:

- Anti-tailgating directional logic in ground loop technology
- Monitoring of handicap parking spaces with single space sensors
- Server communication through customer's fiber network
- Facility roadway signs guide employees to available parking spaces throughout the campus
- Custom user friendly graphic interface provides device status and parking information statistics



Facility roadway signs alert parkers when parking areas are full



Facility roadway signs display the number of available parking spaces



Ultrasonic Single Space Sensors monitor handicap parking spaces

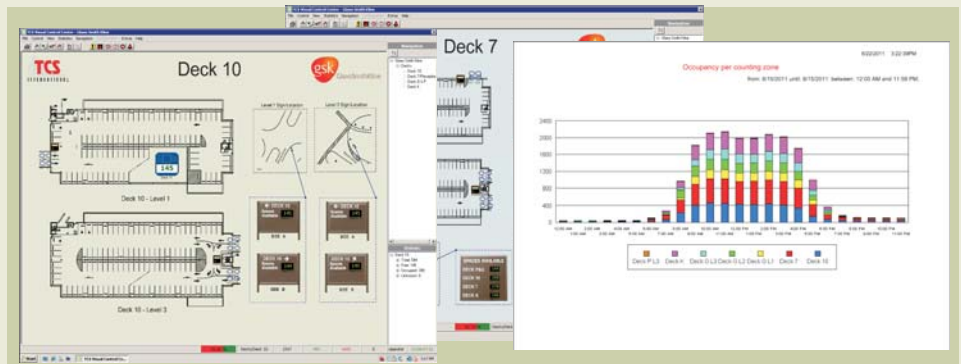


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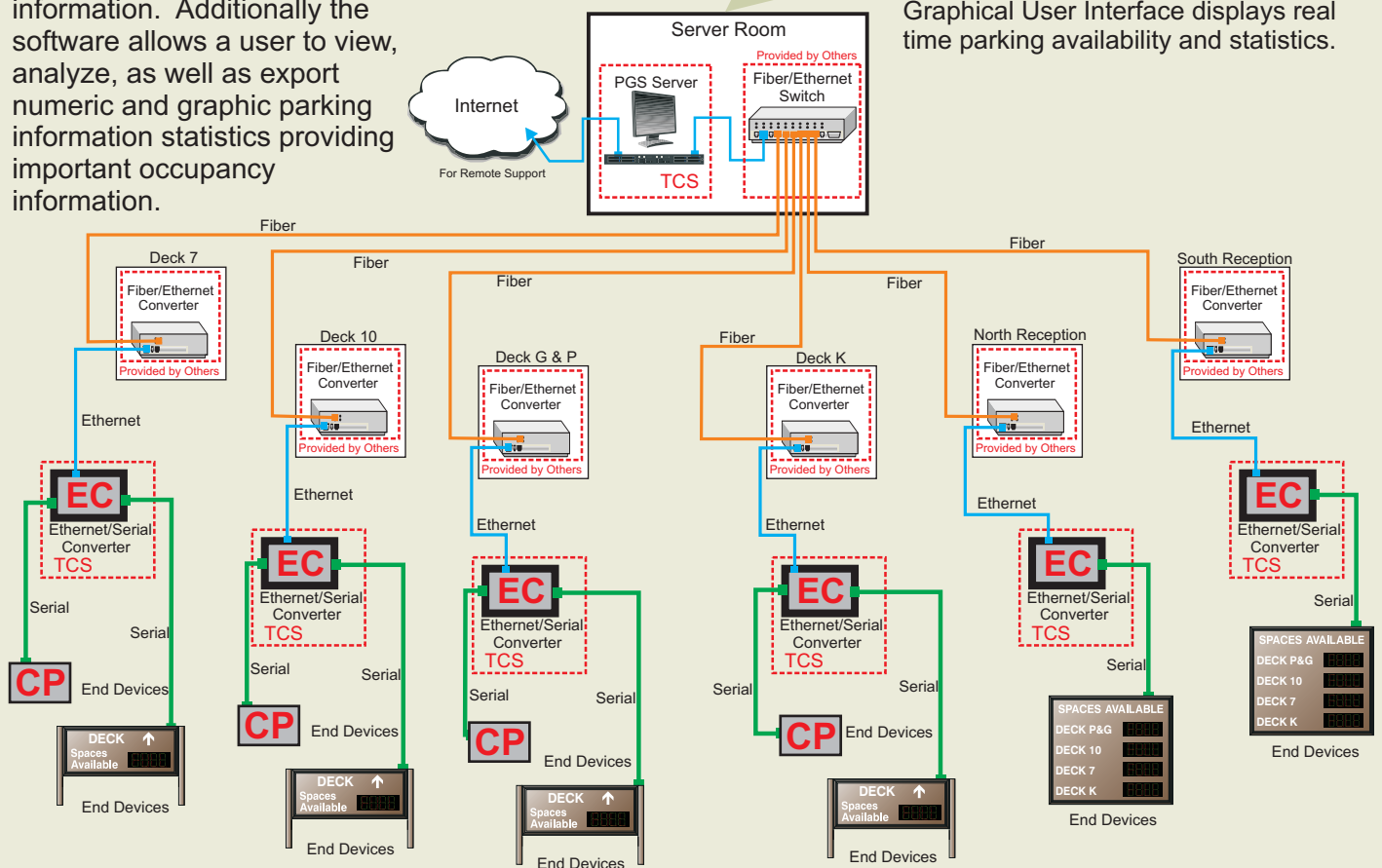


System Overview

A server with the TCS Visual Control Center software is located at the security office, and communicates to all garages through the customer's fiber network. The software provides a user friendly graphic interface displaying real time parking availability, counting device status, and sign information. Additionally the software allows a user to view, analyze, as well as export numeric and graphic parking information statistics providing important occupancy information.



Graphical User Interface displays real time parking availability and statistics.



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.

