

MAJOR SOFTWARE COMPANY

Employee parking challenges solved with ATS' accurate real-time availability and guidance solution

Finding parking availability at company's Silicon Valley headquarters was difficult, cutting into the work day and causing frustration and traffic backups

The Challenge

Our customer, a busy and growing software firm, had a problem. Their 57-acre, 1 million-square-foot corporate headquarters is located in bustling Silicon Valley, with another 1.5 million square feet across the road, and plans to purchase additional office space in the same area. With over six thousand employees driving to work each day, saying parking is at a premium is a huge understatement.

Employees at the firm's corporate campus are considered an extremely valuable company resource. They are engineers, executives and other highly compensated employees in a competitive employment market. The company was well served to get these employees into their seats quickly to optimize productive work time, but before they could arrive at their desks, employees first had to circle for parking among the many parking lots to find available spaces.

The company had made attempts to reduce time to park in the past by implementing a parking availability system. Each parking space was implanted with a monitor that conveyed to a central server whether the space was full or

empty, and the server then notified a message sign if the lot was full or if there were spaces available. But the sign was small and only conveyed availability at the lot level. With up to 70 rows per lot, the information was not specific enough to expedite the parking process adequately.

Although the facilities are surrounded by a ring road, during peak work hours traffic would back up all the way to the highway, creating a safety hazard for employees and other commuters.



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All Traffic Solutions (ATS) partnered with the occupancy-monitoring hardware vendor, onboarding their devices to the ATS ParkingCloud™ platform, a flexible and accurate parking management system that integrates any device, system or data set to allow drivers to find the best parking, in real time, across the entire parking environment.

ParkingCloud delivers space availability counts in real time and pushes the data to custom LED indicator bollards that display red or green, depending on availability, for each aisle and lot. Data is sent from the hardware to ParkingCloud and is returned back to the signs and bollards via two cellular modem gateways that communicate via radio. The bollards are connected to existing light fixtures and powered through AC power supply.

Real-time and historical availability data can be viewed in ParkingCloud and displayed on maps and charts, providing rich data for reporting, analysis and planning.

Results

The bollard installation proceeded smoothly with minimal disruption to parking facilities. The Customer has expanded their ParkingCloud footprint to 64 aisles over eight lots, for a total of 2,486 spaces.

With the signage and row level availability indicators in place, employees are guided to open spaces faster and more efficiently, getting them in their seats on time, reducing stress and increasing productivity.

MAPS AND CHARTS VIEWED IN PARKINGCLOUD PROVIDE REAL-TIME PARKING AVAILABILITY COUNTS

