Robotic Parking Systems has successfully completed throughput testing of its recently completed 2,350 capacity Al Jahra Court Automatic Parking System in Kuwait. TÜV Nord certified a peak traffic throughput capacity of 425 cars per hour. Throughput capacity is the total number of cars per hour that can be handled in a combination of inbound and outbound vehicle traffic.

Additionally, the average retrieval time for a single vehicle was verified as 177 seconds.

"The peak traffic throughput measurement is much more critical in the day to day operations of an automated garage than a single vehicle retrieval time. No other..."
manufactured in the automatic parking industry has this level of performance verification by an independent third party. We met and exceeded the contractual performance requirements of 400 cars per hour throughput and single retrieval time of 220 seconds,” said Royce Monteverdi, CEO of Robotic Parking Systems Inc.

With this record, Robotic Parking Systems has positioned itself not only as the largest automatic parking facility in the world but also as the manufacturer with the highest peak traffic capacity worldwide. The Al Jahra Court facility surpasses the Emirates Financial Tower garage in Dubai (designed and manufactured by Robotic Parking Systems) that achieved the Guinness World Record as the largest automatic garage with 1,200 parking spaces in 2011.

Juergen Bauer, Chairman of Robotic Parking Systems Inc., emphasized “Robotic Parking Systems has demonstrated the viability of its patented lift-and-run system over and over again. Today, with more than 5,000 units built, the company is the strongest market participant in the Western Hemisphere and perfectly positioned for the North American market. With its latest adaptation to emerging technologies – CASE: Connectivity, Autonomous Driving, Sharing and Services and Electrification – Robotic Parking Systems is well aligned with Smart City applications.”


TRAFFIC FLOW AND LIVE TRAFFIC CONDITIONS

The Robotic Parking System controls the Entry / Exit Terminals according to live traffic conditions outside the garage. The system obtains feedback from installed external traffic sensors and automatically adjusts to ensure the lowest wait time for parking.

For safety and to improve the flow of traffic, cars always enter and exit from the facility by driving forward.
INTEGRATION WITH EMERGING TECHNOLOGIES IN TRANSPORTATION

A garage offering features that accommodate emerging technologies will be a facility there to stay!

Based on our discussions with leading companies, one element has become very clear – emerging transportation technologies require that the garage of the future must be smart!

In response, we oriented our automatic parking system around the term CASE (1).

Connectivity: With our fully automated parking system and its Cimplicity® software platform (from GE), we are already connected and can receive and share as much or as little information as the client wants on an open network.

Autonomous Driving: In 2016 we developed a partnership with Bosch to facilitate parking of “autonomous driving cars” in Robotic Parking Systems’ garages.

Sharing and Services: Car sharing, fleets and car services can be accommodated in our robotic garage now. The network and communication platforms already exist.

Electrification: Robotic Parking Systems are designed to include a number of automatic electric Level 2 charging stations inside the system. Just plug the cable in our entry / exit terminal to the car – done.

A garage offering features that accommodate emerging technologies will be a facility there to stay!

(1) CASE strategy as defined by Mercedes-Benz at the Paris Automobile Show in 2016.
M. A. Al-Kharafi & Sons is the main contractor responsible for the Amiri Diwan (the Amir’s Office of the State of Kuwait) Al Jahra Court Complex project in Kuwait.

Eng. Mohammed Al-Kholy, General Manager, stated, “I am writing this letter to express my gratitude and appreciation for the high-quality service being provided to us... They (Robotic Parking Systems) have executed the design, manufacturing and delivery of over 1,293 tons of machinery, electronics and automation equipment within a remarkably short time to meet the project schedule demanded by Amiri Diwan.”

The world’s first parking meter, known as Park-O-Meter No. 1, was installed in Oklahoma City, Oklahoma on July 16, 1935. The parking meter was the brainchild of a man named Carl C. Magee.

http://www.history.com/this-day-in-history/worlds-first-parking-meter-installed