More than 2 Years in Operation – the Robotic Parking System at the Ibn Battuta Gate Complex Gets a Thumbs Up from Users

The Robotic Parking System at the Ibn Battuta Gate Complex in Dubai recently celebrated its 2-year anniversary of operations. The automated parking facility which opened in August 2009 provides high-speed automated parking for 765 cars to the mixed-use property development that includes office space as well as residential apartments and a five star hotel. It was the first automated, multi-story car park in the Middle East, and we believe the only automated parking garage that had pre-opening performance tests conducted that proved peak traffic handling of more than 250 cars per hour.

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The Robotic Parking System consists of machines that are built to handle independent motion on all three axes—vertically between floors, horizontally in a row, and in / out to move cars into and out of racks in the steel shelving system.

At least two of each type of machine is installed for redundancy. Both of the machines can perform the same tasks at the same time. Therefore, if one machine needs maintenance or repair, there is always a backup machine to keep the cars moving into and out of the garage.

We asked actual users of the robotic car park to rate their experience with the facility on a scale from “very unsatisfied” to “extremely satisfied.” The results were a “thumbs up” for the Robotic Parking System.

- 86% were “very satisfied” or “extremely satisfied” with their personal safety when entering or exiting the automated parking garage.
- 100% were “very satisfied” or “extremely satisfied” with the security of their vehicle and personal belongs when parking in the garage.
- 100% of users were “very satisfied” or “extremely satisfied” with the convenience of the Robotic Parking System.
- 100% were “very satisfied” or “extremely satisfied” with the ease of use of the facility.

And, for overall experience with the robotic car park, 100% of the users were “very satisfied” or “extremely satisfied.”

Here are some of the comments we received:

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“...the robotic car park is safe, quick and convenient.”

“The car returns undamaged every day rather than being marked by other cars in the car parks.”

“100% secure.”

“No need to drive up and down ramps. Reduces time in searching for parking...”

“It’s fast – about 2-3 minutes (to retrieve car)”

Robotic Parking Systems Inc.‘s super high capacity parking technology enables developers and architects to park from hundreds to thousands of cars in half the area of conventional ramp style parking creating more space for design and development. The system also provides substantial environmental benefits that help developers earn LEED points as well as lower carbon footprint.

Robotic Parking Systems operates and maintains the garage under an agreement with the owner, Seven Tides Limited. As of 2011, this robotic garage is the only automated car park in the Middle East region that has a continuous operations track record of more than two years.