



## INHERENTLY SAFER, GREENER, MORE COMPACT, AESTHETIC & LOWER OPERATING COSTS

### A “PARKADIGM” SHIFT IN PARKING GARAGE DESIGN

*Excerpts from a White Paper by Roger C. Courtney, Esq.*

Reducing risks in parking lots and garages is a major concern. “Because parking facilities are more likely settings for crime – both violent and property – than all other real estate except residential, security is one of the most critical issues facing owners

and operators of parking facilities today,” according to a National Institute of Justice research study.

Automated / robotic parking garage vendors manufacture and operate



“ ... security is one of the most critical issues facing owners and operators of parking facilities today... ”

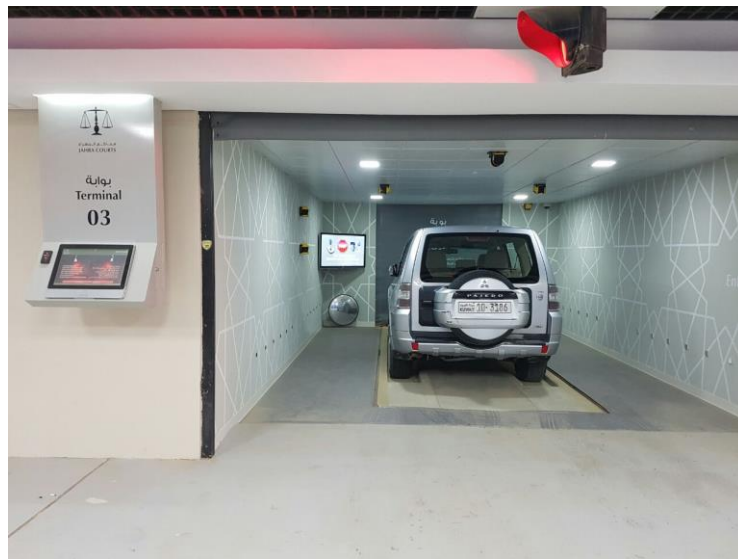
robotic parking systems for vehicles in up to one third of the footprint of a conventional concrete ramp garage. The author of this paper believes that a number of these automated/robotic parking garages may meet the principles of “inherently safer design,” “value engineering,” and Crime Prevention through Environmental Design (“CPTED”). This White Paper focuses specifically on the design and technology of Robotic Parking Systems, Inc. (“RPS”).

Throughout this paper, these concepts and other benefits are discussed that show how robotic parking garages clearly outmatch concrete ramp designs. Statistics relating to how the design of a Robotic Parking System garage prevents the potential for sexual and other assault, suicide, and vehicular damage and theft are presented. Premises liability and insurance costs for garage owners are reduced. Also, since vehicles are not in operation once they are moved for storage / retrieval, greenhouse gases are reduced by over 90% vis-à-vis a standard concrete garage of the same vehicle capacity. Since all vehicle occupants depart their vehicles at the entry/exit terminal, all spaces are handicapped accessible and more.

We hope that the information and policies presented in this white paper cause a paradigm (“parkadigm”) shift in thinking so that people make the decision to seriously evaluate the beneficial design and technology advantages of automated parking.

Separately, in their October 2020 newsletter, WGI reinforced the suicide issue. WGI stated that 51% of parking organizations have experienced suicides or attempts. The Robotic parking design can eliminate this issue.

[Click here for your free copy of this white paper.](#)



## FREE AIA CONTINUING EDUCATION COURSE ON AECDAILY TOP 20 LIST



Our learning course – [Automated Robotic Parking 101: Implementation the Right Way](#) – ranked # 12 on AECDaily’s *Top 20 Monthly Courses* for September. This FREE course is registered and approved by AIA for continuing professional education and is approved by GBCI, IDCEC and more.

The course describes how automated parking systems use robots to provide an innovative, safe parking solution that is compatible with Americans with Disabilities Act (ADA).

Automated parking has a lower carbon footprint than conventional parking because it requires less land, saves energy, reduces pollution and greenhouse gases, as well as enhancing user safety and security.

# WE PARK THEM ALL – FIT FOR VEHICLE WIDTH AND LENGTH

## BIG, HEAVY, LOW—WE PARK THEM ALL

Roomy terminals accommodate large SUVs up to 88” wide and 225” long. High weight capacity means parking even the Yukon XL and other vehicles up to 6600 lbs. Pallet technology means we can park cars with low clearance.

### CARS ROBOTIC PARKING SYSTEMS (RPS) CAN PARK THAT SOME OTHERS CAN'T

BASED ON MAXIMUM CURB WEIGHT: RPS CAN TAKE CARS UP TO 6,600 lbs.

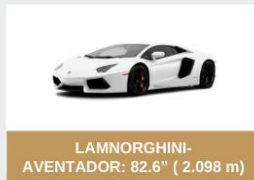


BASED ON LOW GROUND CLEARANCE: RPS HAS NO LIMITATION ON GROUND CLEARANCE



### CARS ROBOTIC PARKING SYSTEMS (RPS) CAN PARK THAT SOME OTHERS CAN'T

BASED ON MAXIMUM WIDTH OF CARS: RPS CAN TAKE CARS UP TO 88"(2.235m)



BASED ON MAXIMUM LENGTH OF CARS: RPS CAN TAKE CARS UP TO 228"(5.792m)



## ON THE WEB

### PARK IT HERE BLOG

The Park It Here blog explores ways that Robotic Parking Systems technology might assist city planners, architects, civic groups, developers, environmentalists and other innovative thinkers seeking to enrich our cities. [Learn more.](#)

### FACEBOOK

[Find us on Facebook.](#) You'll have access to photos, videos and up-to-date news on Robotic Parking Systems.



### YOUTUBE

Our [YouTube channel](#) contains numerous videos of the Robotic Parking System.

### TWITTER

Robotic Parking Systems create more space for design and development. [Follow us on Twitter.](#)

### NEW ROBOTICPARKING.COM

We hope you'll visit our newly revised web site, [roboticparking.com](http://roboticparking.com). The site contains product and technical information, tools, photos, videos, brochures and more.

### STAY SAFE!

We hope you and your family are well and safe during these unprecedented times!

## REFERENCE:

### GREG SOKOLOWSKI, REAL ESTATE BROKER

*"... frees up space for the healthcare facility."*

A growing number of healthcare facility managers and industry professionals like Greg Sokolowski, a Real Estate Broker – as well as developers, architects and design engineers worldwide – are turning to automated parking garages to cost-effectively "free up" space.

"With the proposed automated parking system, about 900 cars could be parked. That's almost double the amount of traditional parking in a smaller footprint," says Sokolowski. "The extra space frees up space for the healthcare facility. That gives it the option of building higher value

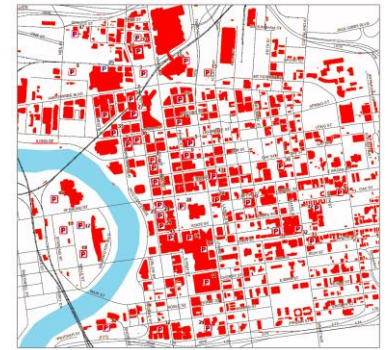
structures, such as new medical offices, operating rooms, exam rooms, test labs or other clinical facilities, rather than parking."

"Unlike older systems which can create an operational bottleneck during periods of peak demand, robotic parking systems are designed around what the demands are," says Sokolowski. "So, you can incorporate the appropriate amount of entrance/exit terminals to fully accommodate peak hours, such as work shift changes, and plan for future growth."

"With typically dozens of robot pallets moving vehicles simultaneously in an autonomous parking garage and multiple robot pallets moving vehicles simultaneously on any level, if any need to be serviced, operation continues without interruption," says Sokolowski.

## PARKING FACTS:

Akbari, Rose and Taha using high-resolution orthophotos in Sacramento, California found that road and parking facilities covered 28 % of land area in residential areas and up to 68 % in commercial areas. Similarly, McCahill and Garrick found that roads and parking facilities cover about 35% of the area of most residential areas and 50–70% in most non-residential areas in 12 typical U.S. cities. (*Red areas show parking.*) (Planetizen)



*Robotic Parking Systems, Inc.*

*Always Ahead*

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