



Robotic Parking Systems, Inc.

— ALWAYS AHEAD —

THE NEW “PAR(K)ADIGM”



LARGEST AUTOMATED
PARKING FACILITY



LARGEST AUTOMATIC PARKING WORLDWIDE **2,300 SPACE FACILITY AL JAHRA COURT COMPLEX**

WHY WAS IT BUILT?

- Safety and security
- Environmentally sensitive
- Restricted land use
- Premium valet service
- Shortest walk to court
- No “searching for my car”
- Cost effective



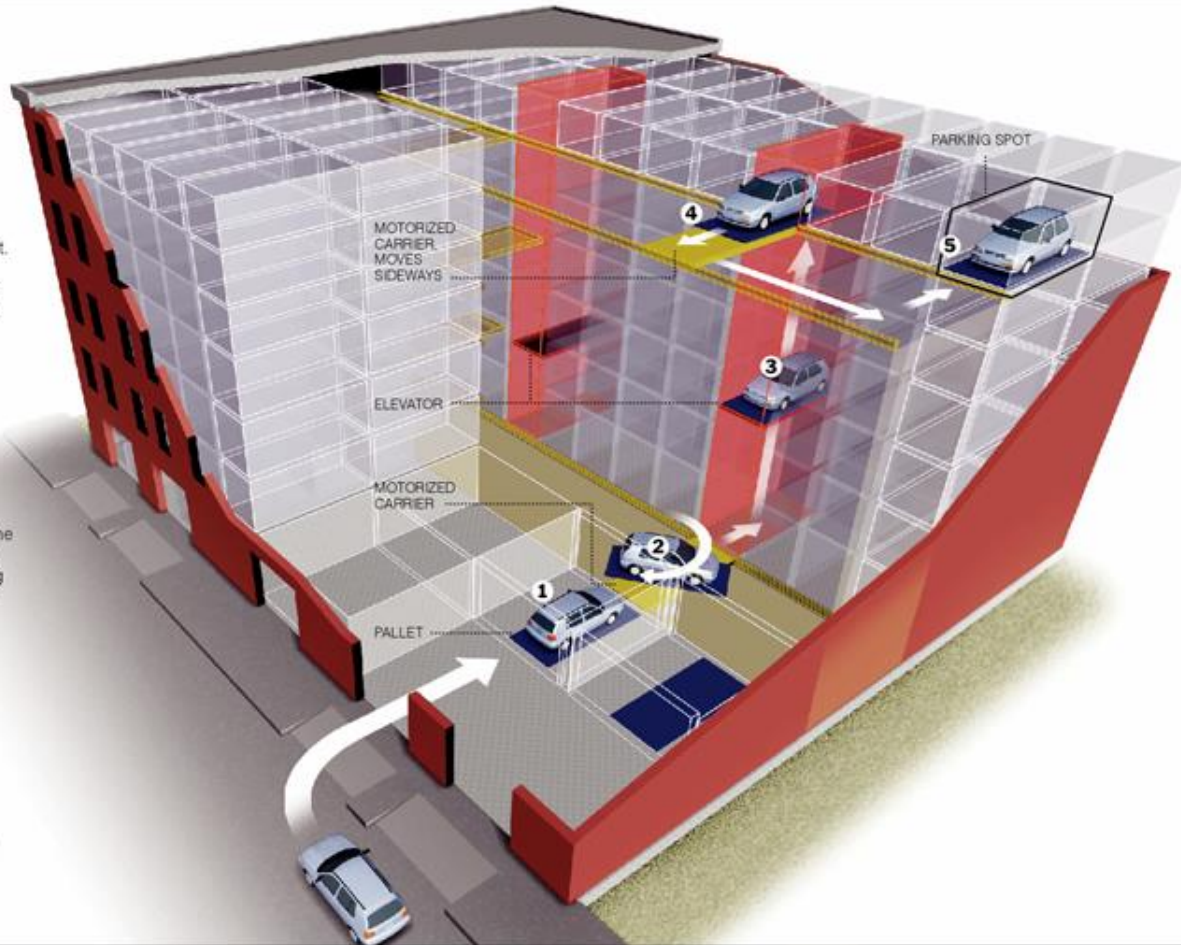
ROBOTIC PARKING SYSTEMS

HOW DOES IT WORK

Robotic Chauffeurs

Cars parked at a robotic garage in Hoboken ride to their computer assigned parking spaces atop a pallet. The pallet is moved by motorized carrier on and off an elevator and then on and off a platform that moves laterally to align with the designated space.

- 1** The customer drives into the garage and parks on a steel pallet.
- 2** The computer-controlled carrier pulls the pallet and the car and rotates both by 180 degrees, so the car is facing forward when it is retrieved.
- 3** One of two elevators takes the pallet and car to an upper level.
- 4** The pallet is transferred by another carrier that moves it laterally to an open space.
- 5** The car and its pallet are rolled to the designated parking spot.



CHANGING THE DYNAMICS OF LAND USE I

CUTS REAL ESTATE (LAND) COST IN HALF PLUS CREATES NEW LAND OUT OF NOTHING.

Existing prime downtown location:

- 3 concrete garages with 1,000 spaces each.
- Total parking inventory is 3,000 spaces.



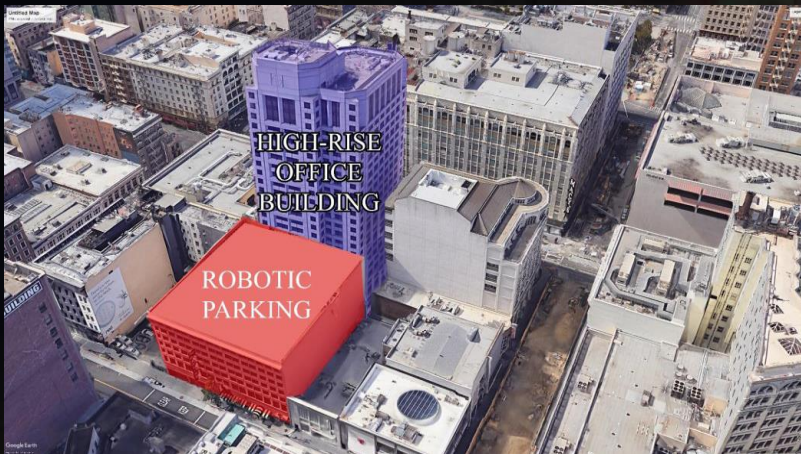
Substitute existing 3 garages with one robotic parking 3,000 space system:

- Create a green park.
- Plus, 400 room hotel, or equivalent 150,000 GFA development.
- **Gain 4.5 acres of land.**



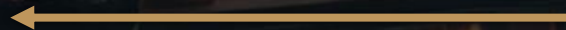
CHANGING THE DYNAMICS OF LAND USE II

Existing concrete garage with
9 levels for 507 spaces.



Substitute with one robotic parking
garage for 750 spaces.

Plus, create a new office building on
same footprint or a park.



TOP SAFETY & SECURITY PLUS CONVENIENCE



NO SCRATCHES / DENTS



NO ASSAULTS / SAFE



NO LONG SEARCH/WALKS



NO PARKING LOT ACCIDENTS



NO VANDALS / THEFT



THE REAL COST OF PARKING: COMPLETE PICTURE

750 PARKING SPACES WITH PEAK TRAFFIC OF 240 CPH (CARS PER HOUR)

Robotic
Parking



\$2.5MM
(50% Less)

+



\$18 MM

+



\$1 MM
(2/3rds less)

+



\$675k
(40% Less)

+



\$0
(Included)

=

\$29K
per space

VS

Land/Allocated
Space Cost

Cost of Structure

Facade/Roof
Blending

Electric Charging
Stations

Wayfinding, Revenue & Access
Control, & Reservation Systems,
Security, Autonomous Car
Driving In/Out

Concrete
Ramp



\$5MM

+



\$16MM

+



\$1.5 MM

+



\$1.13 MM

+



\$33MM

=

\$35.5K
per space

Disclaimer: This cost assumption may differ based on the geographical location.

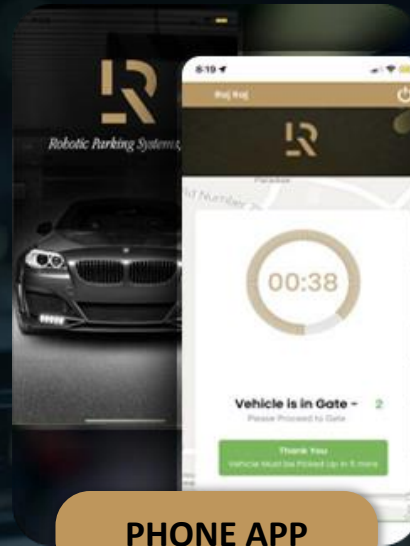


KEY DETAIL: TOUCHLESS PARKING IN A POST PANDEMIC WORLD

- Another bonus of automated parking is the premium valet experience which offers a contact-less parking process to accommodate for post-pandemic needs.
- When the driver and the passengers have left the entry area (terminal), the driver initiates the parking process with a touchless near-field communication (NFC) card, FOB, or with an app on a smartphone. Instead of passing the keys to a valet, patrons simply use an app and keep their keys.
- In simple terms, automated parking enhances the vehicle parking and retrieval experience—elevating it above the level of valet parking.



FOB



PHONE APP



NFC CHIP CARD



INTEGRATED INTO EMERGING TECHNOLOGIES

CUT DOWN ON ENVIRONMENTAL IMPACT: DIGITALIZATION REDUCES CONGESTION /
ENABLES RESERVATIONS, FLEET & RIDE SHARING, SERVICES WITH EV CHARGING

- **Connectivity:** Through Complicity® software from GE Automation, Robotic Parking System is connected and can receive and share information on an open network.
- **Autonomous Driving:** We developed a partnership with Bosch to facilitate the parking of “autonomous driving cars.”
- **Sharing and Services:** Communications exist to handle car sharing, fleets and servicing cars.
- **Electrification:** Designed to include automatic electric car charging stations. The owner just plugs the cable in our entry terminal to the car.
- **Bonus:** With a Robotic Parking garage a Digital Twin is already included.



(1) CASE strategy as defined by Mercedes-Benz at the Paris Automobile Show.



ROBOTIC PARKING – MEANINGFUL ENVIRONMENTAL IMPACT

TOXIC EMISSIONS ELIMINATION FOR ONE 1,000 SPACE GARAGE PER YEAR:

CARBON DIOXIDE | 275,422 lbs

CARBON MONOXIDE | 15,463 lbs

GASOLINE | 13,750 gal

TIRE DUST | 9,800 lbs

HCO | 2,001 lbs

NO_x | 103 lbs

BRAKE DUST | 100 lbs



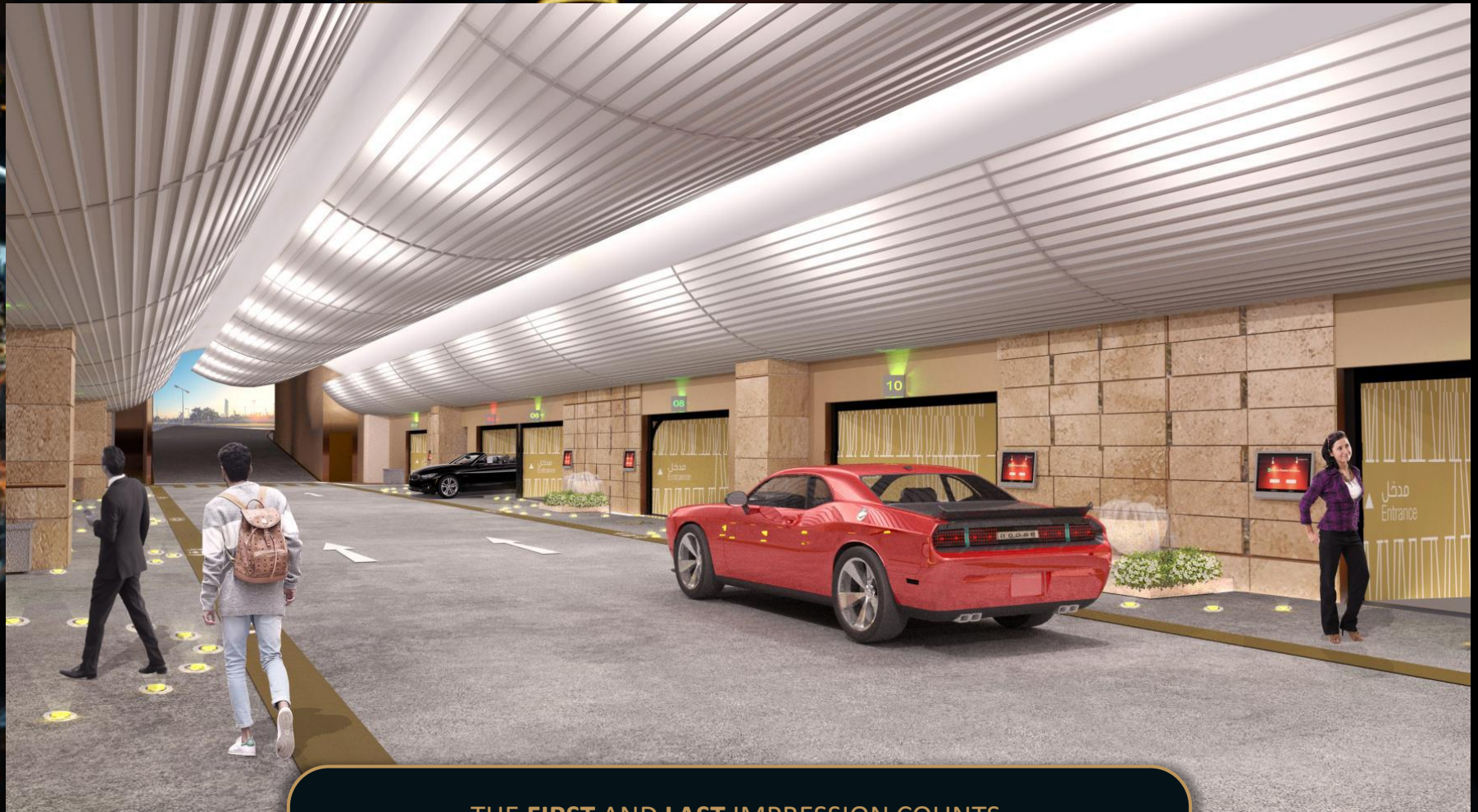
RESULTING IN:

- Drastic carbon footprint reduction.
- Gain up to 17 LEED points.
- Sustainable building –reusable.
- Clean environment.
- Parkers no longer inhale these fumes and particles.



CREATING A SENSE OF ARRIVAL

ARRIVAL & DEPARTURE PLAZA



THE **FIRST** AND **LAST** IMPRESSION COUNTS.





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