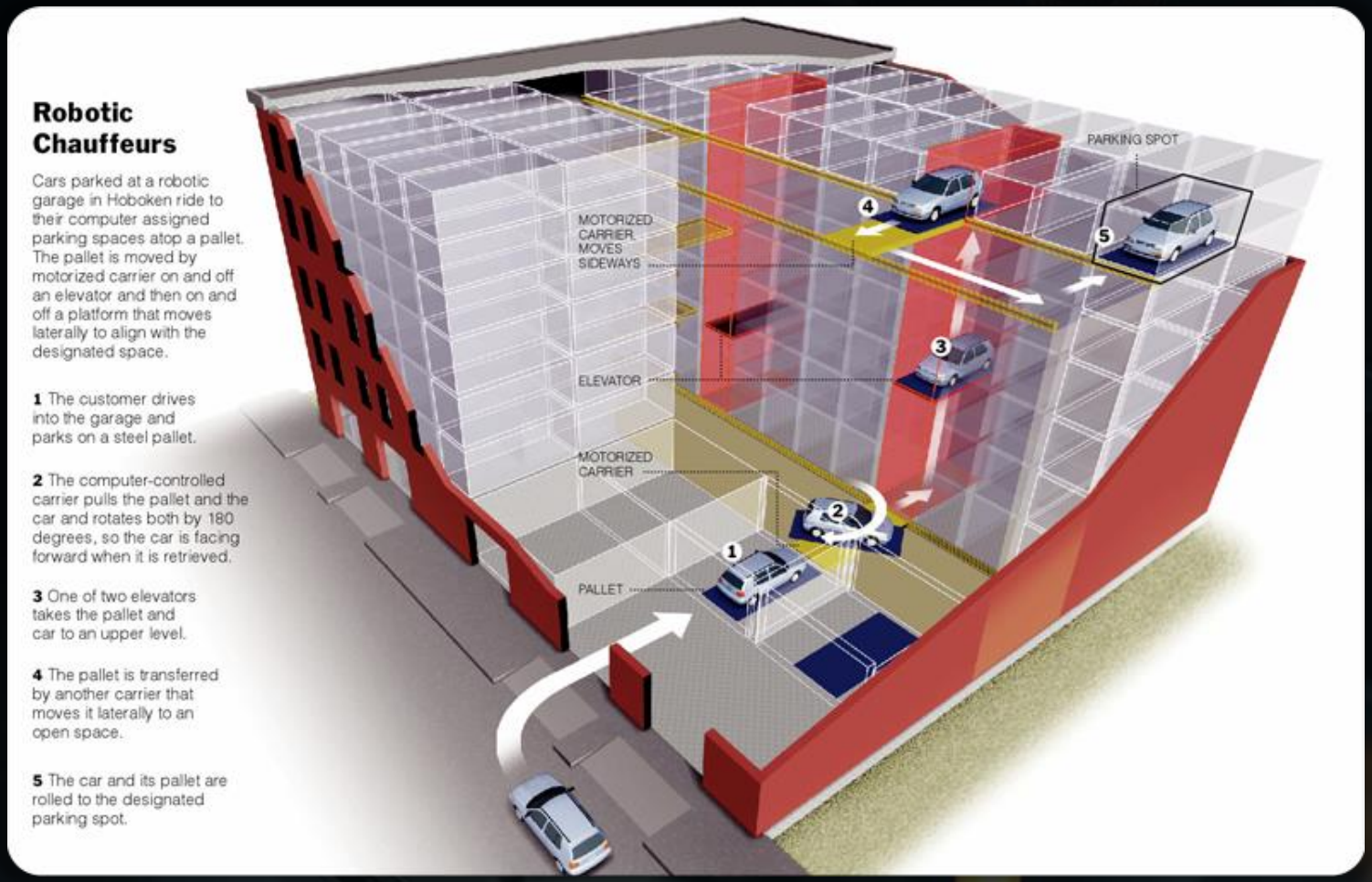

Robotic Parking Systems, Inc.
ALWAYS AHEAD
THE NEW “PAR(K)ADIGM”
GUINNESS WORLD RECORDS
LARGEST AUTOMATED
PARKING FACILITY

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

WHY WAS IT BUILT?

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

ROBOTIC PARKING SYSTEMS
HOW DOES IT WORK



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:

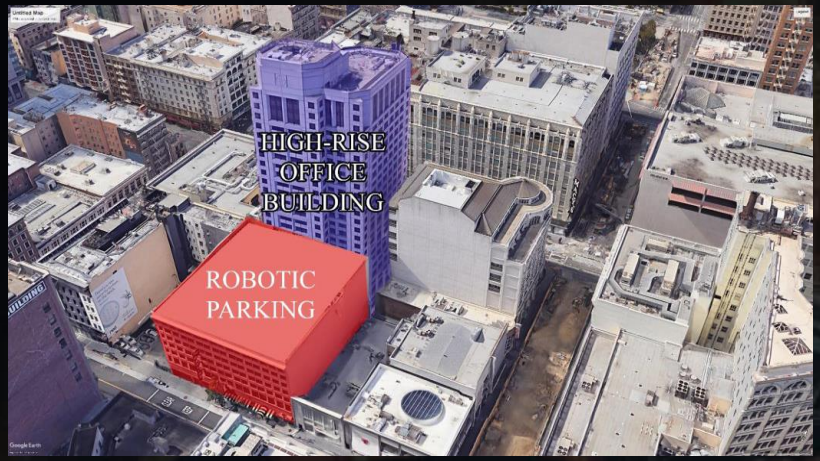
- 3 concrete garages with 1,000 spaces each.
- Total parking inventory is 3,000 spaces.

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 for750 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

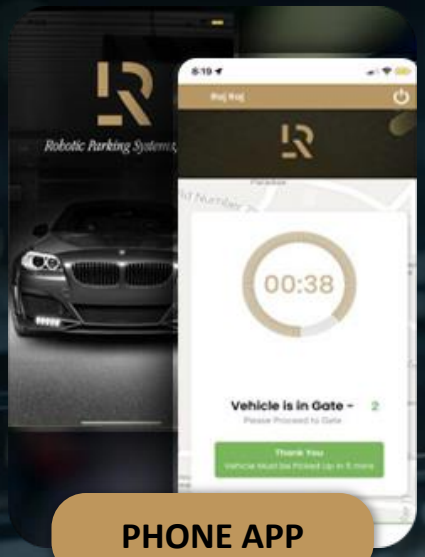
750 PARKING SPACES WITH PEAK TRAFFIC OF 240 CPH (CARS PER HOUR)

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

NOx | 103 lbs

BRAKE DUST | 100 lbs

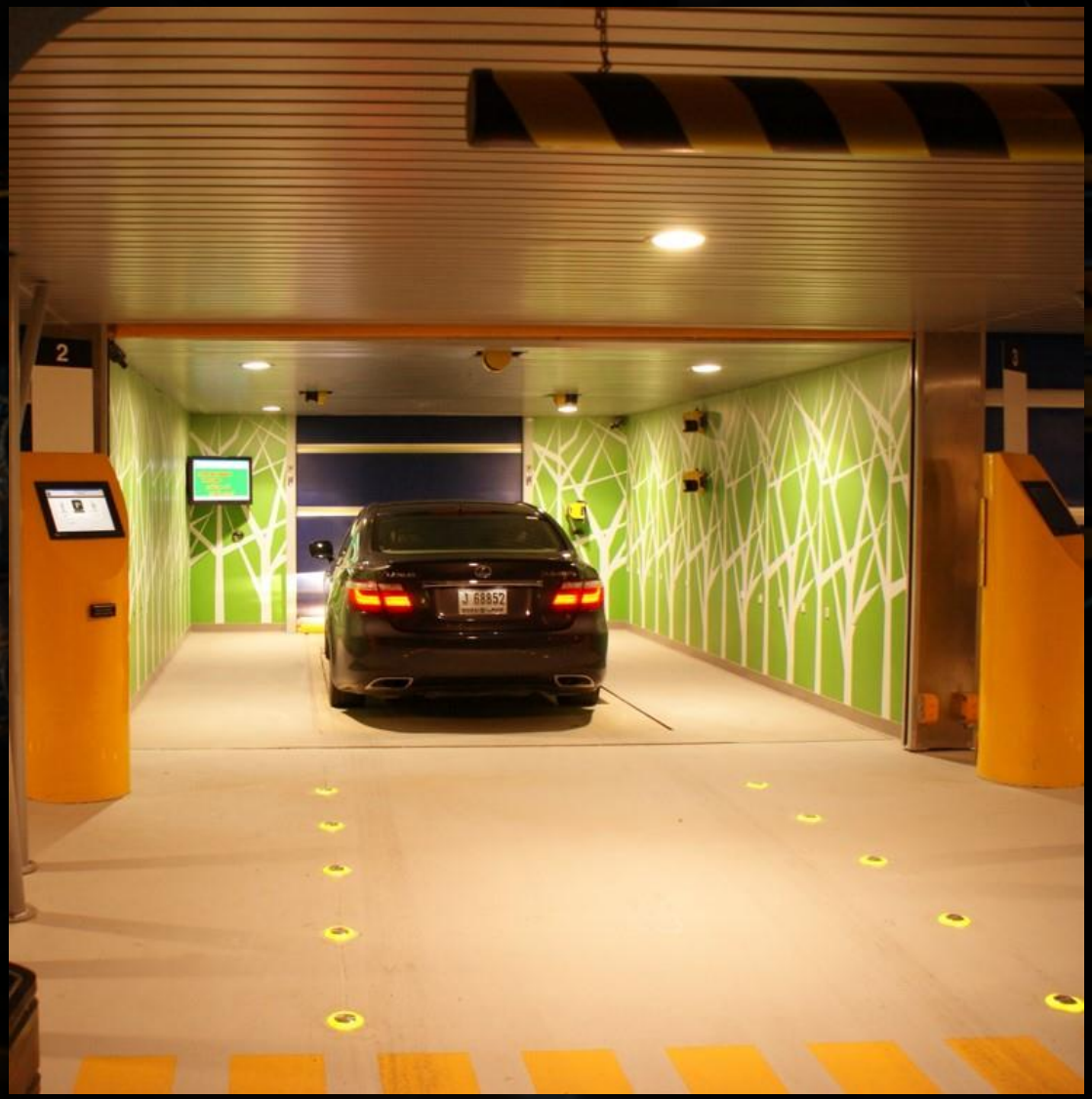
RESULTING IN:

- 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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