



Robotic Parking Systems, Inc.

— ALWAYS AHEAD —

THE ROBOTIC PAR(K)ADIGM



LARGEST AUTOMATED
PARKING FACILITY



ROBOTIC PARKING SYSTEMS

COMPANY PROFILE

Proven Experience & Global Leadership

- 30+ Years in Automated Parking – Industry pioneer since the beginning
- 7,810 Spaces Worldwide – Built across multiple continents
- 250+ Years Combined Engineering Expertise – Backed by deep technical knowledge
- Millions of Parking Transactions – Reliable, tested, and trusted daily

Innovation & Firsts

- First in the U.S. & Middle East – Delivered landmark automated systems
- Guinness World Record Holder – Largest automated facility (twice)
- Breakthrough Robotics – First with multi-axis, simultaneous moving robots
- Industry Leading Highest Throughput Capacity in cars/hour

Standards & Certifications

- ISO 9001:2015 Certified – Commitment to quality
- UL Compliance for Control Panels – Safe electrical systems at every level
- Shaping Regulations – Helped develop NFPA 88A code for USA and UAE Civil Defense code



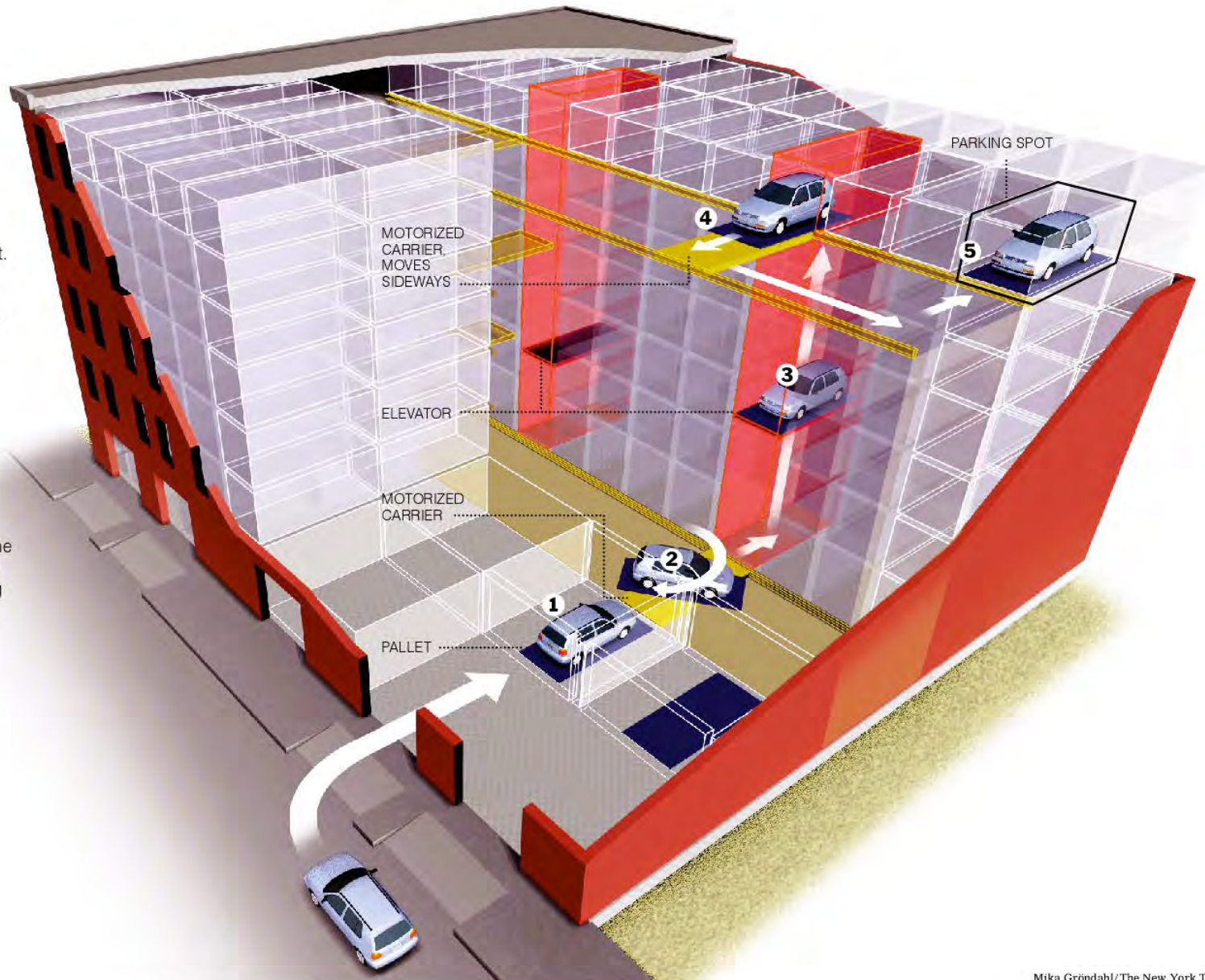
ROBOTIC PARKING SYSTEMS

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.





LARGEST AUTOMATED PARKING FACILITY

2,344 SPACES AT AL JAHRA COURT COMPLEX, KUWAIT

WHY WAS IT BUILT?

- **Smart Land Use** – Works where space and zoning are restricted, gain valuable land, make development possible
- **Cost Effective** – Lower construction and operating costs, higher ROI
- **Premium Valet Service** – Automated convenience without added labor costs
- **Shortest Walk to Court** – Designed for maximum user convenience
- **No Searching for Cars** – Automated retrieval brings your car to you
- **Safety & Security** – Controlled access and protection for vehicles & people
- **Environmentally Sustainable** – Lower emissions, less energy, reduced footprint and traffic congestion



CHANGING THE DYNAMICS OF LAND USE I

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

Existing garage design at prime downtown location:

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



Transformative Development Opportunity

- Replace 3 garages with one 3,000-space robotic parking system
- Unlock space to create a new green park
- Enable construction of a 400-room hotel (or 150,000 sq. ft. development)
- Reclaim 4.5 acres of valuable land for community and repurpose options



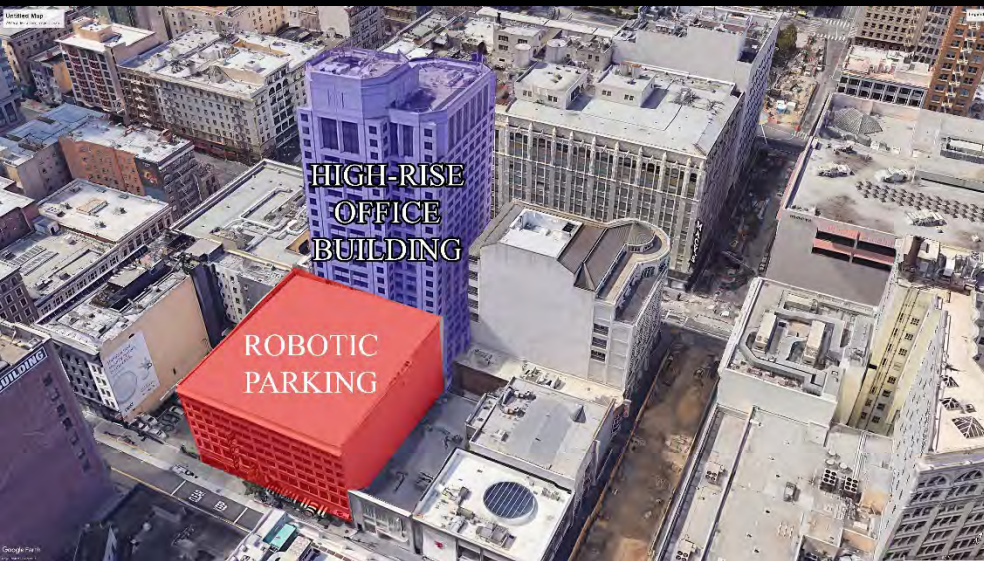
CHANGING THE DYNAMICS OF LAND USE II

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



Existing garage:

- 1 concrete garages with 9 levels.
- Total parking: 507 spaces.



Transformative Development Opportunity:

- Replace existing garage with 750-space robotic parking system
- Unlock space to create a new green park or high-rise office building
- Reclaim 50 % of valuable land



INCREASING PARKING DENSITY

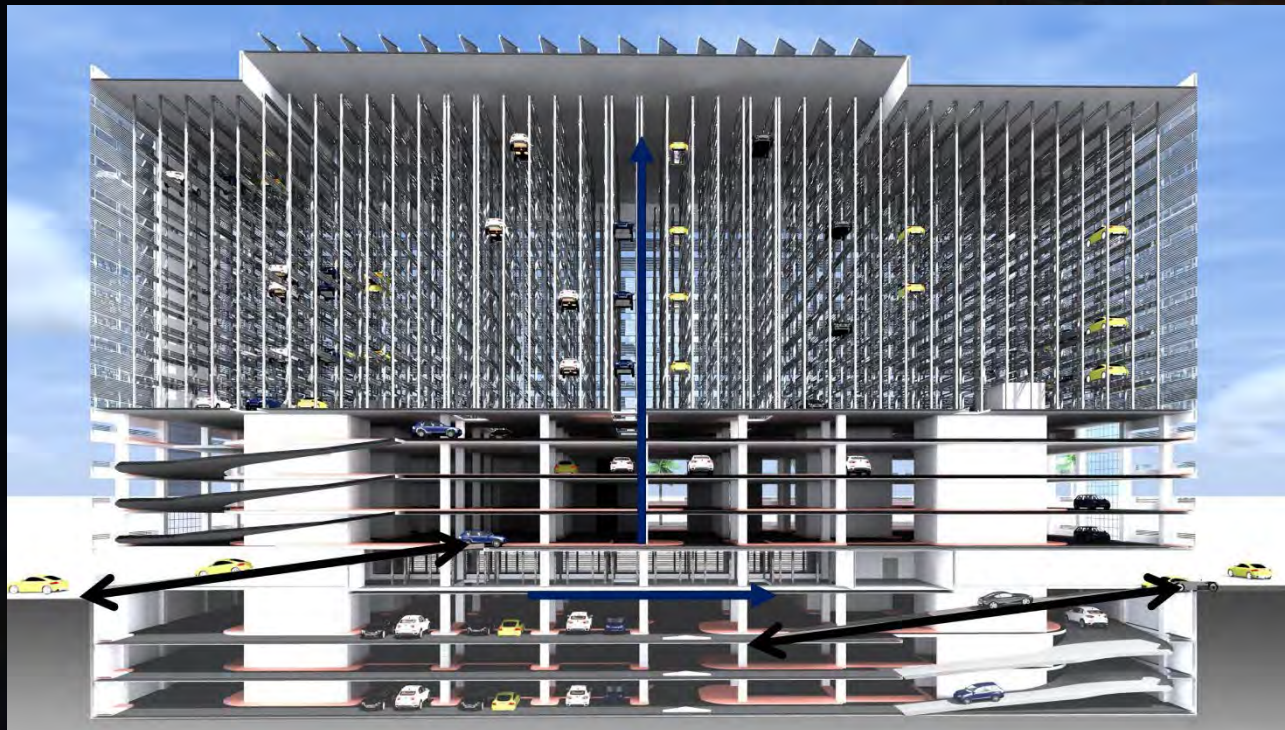
TRIPLE THE NUMBER OF PARKING SPACES

Limitations of Conventional Parking Garages

- On average, drivers dislike driving on ramps more than **5–6 levels**
- **Local zoning codes** can restrict building height and use
- Ramps and driveways consume valuable space.

Advantages of Robotic Parking

- Rack structure can be built for up to 15 parking levels without any space limitation
- Often classified as a **one-story structure** under zoning rules for permitting purposes
- High density parking systems eliminate ramps & driveways replacing them with terminals at grade level for convenience.



The illustration from an executed project shows the dramatic parking density gained by utilizing an automated system.

The space efficiency with robotic parking is more than triple (3.38) compared to a concrete ramp garage portion.

Concrete Ramp Parking = 684 spaces
Robotic Parking Systems = 2314 spaces



KEY DETAIL: FIT FOR VEHICLE WIDTH & LENGTH

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

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



GMC-YUKON
80.5" (2.045m)



LAMBORGHINI AVENTADOR
82.6" (2.098m)



MODEL X
81.5" (2.070m)

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



FORD EXPEDITION
210" (5.334m)



FORD F-150 TRUCK | REGULAR CAB
209.3" (5.316m)



CHEVY SUBURBAN
224.4" (5.700m)



KEY DETAIL: FIT FOR VEHICLE WEIGHT & GROUND CLEARANCE

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

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



GMC-YUKON
5,965 lbs.



FORD EXPEDITION
5,700 lbs.



ESCALADE
5,900 lbs.

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



TESLA MODEL S
6" (152mm)



MINI COOPER
6" (152mm)



CADILLAC CTS V
5.9" (150mm)



CORVETTE
5.3" (134mm)

MIATA 4.3" (109mm)



NO MACHINERY DRIVES UNDER CAR

NON-PALLET BASED SYSTEMS & THEIR DISADVANTAGES

Problem

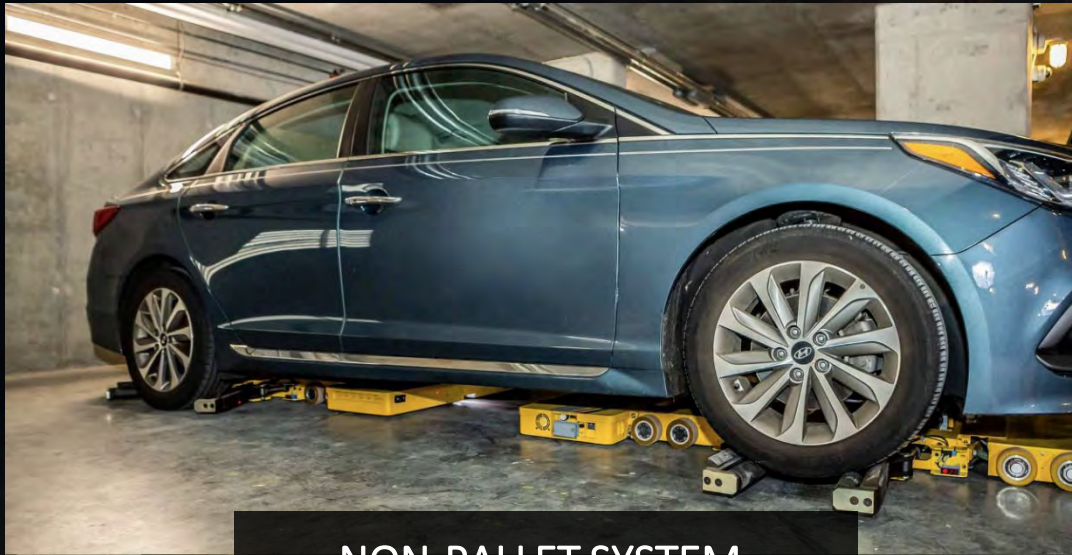
Non-pallet systems use dollies or tongs that slide under cars for transport.

Risk

- Damage to the undercarriage of low-clearance or modified vehicles.
- EVs especially have a low clearance to accommodate a battery pack.
- Tongs may damage the tires of the vehicles.

Impact

- Scratches, dents, ripped-off components on the car undercarriage.
- Operators face **costly damage claims**.
- For these reasons, non-pallet systems may not accept certain vehicles.



NON-PALLET SYSTEM



PALLET SYSTEM



3RD PARTY VERIFICATION

Peak Traffic Throughput Capacity is defined as the total number of cars per hour a system can handle either an inbound/outbound or a combination of both.

At Robotic Parking Systems, Inc., every project this capacity is independently verified by a third party and certified to ensure full compliance with agreed contractual performance specifications.

In real-world operations, throughput is far more critical than a single retrieval time, as it directly determines how efficiently the system can manage with multitude of patrons operating the system at the same time.



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TUV MIDDLE EAST W.L.L.



This document is issued as per TUV Middle East procedures in accordance with the requirements	TUV Middle East	KUWAIT
	Report No.	RPSK/RP/280817/01GV
	Work Order No.	WO-ISO-KWT-009936
	Inspection Date	28 th AUGUST 2017
	Place of Inspection	AL JAHARA COURT COMPLEX

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INSPECTION REPORT

Name and Address of the Owner	Robotic Parking Systems Inc., Al Jahara Court Complex, Basement, P.O.Box 21403, safat 13075 Al Jahara, State of Kuwait.
Type of Inspection	WITNESSING OF THROUGHPUT (VISUAL AND FUNCTIONAL INSPECTION)
Location	AL JAHARA COURT COMPLEX
Equipment	Robotic Parking System
Name of Manufacturer	Robotic parking system inc
Average retrieval time for single vehicle	177 Seconds
Throughput capacity	425 cars/hour (In bound and out bound traffic).

Note: Witnessing carried out with empty car pallets only.

Inspection Carried Out:

The witnessing of through put /visual inspection and functional test has been carried out on the above Robotic system and it is safe to operate for its intended use within the design limits specified, provided there is continuous maintenance applied.

Inspection Results:

The above Robotic system has been visually inspected and functionally tested, found satisfactory at the time of inspection.

The report become invalid if any alteration made to the above mentioned system.



This document is issued subject to the condition that nothing herein shall be deemed to constitute a warranty, express or implied, and TUV Middle East W.L.L. liability shall be limited to the scope of the inspection and testing only. TUV Middle East W.L.L. shall in no event be liable for any injury or damage to any person or property occurring by reason of negligence or otherwise of any defect in materials, machinery, equipment or other items (other than such defects ascertainable by normally accepted testing standards and procedures) which were actually inspected by TUV Middle East W.L.L. and which are covered under this document.

ISO-LIC-FRM-029 Rev. 3

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TOP SAFETY & SECURITY PLUS CONVENIENCE



NO ASSAULTS



NO SEARCH / LONG WALKS



NO VANDALISM / THEFT



NO SCRATCHES / DENTS



NO PARKING LOT ACCIDENTS



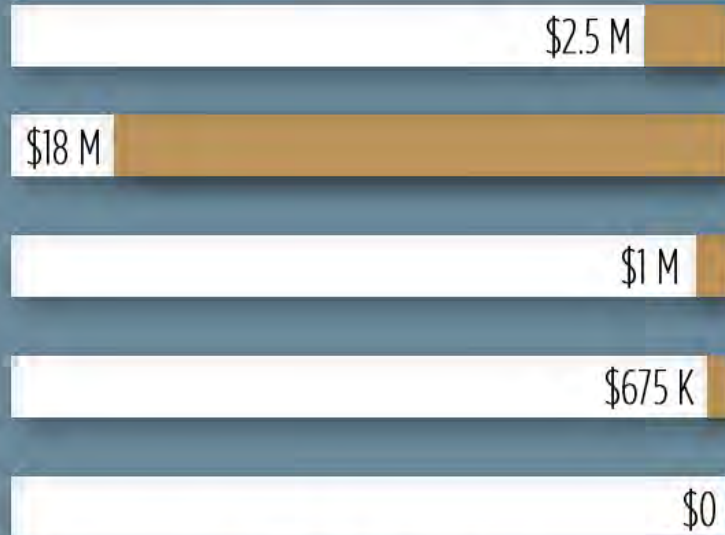
THE REAL COST OF PARKING: COMPLETE PICTURE

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

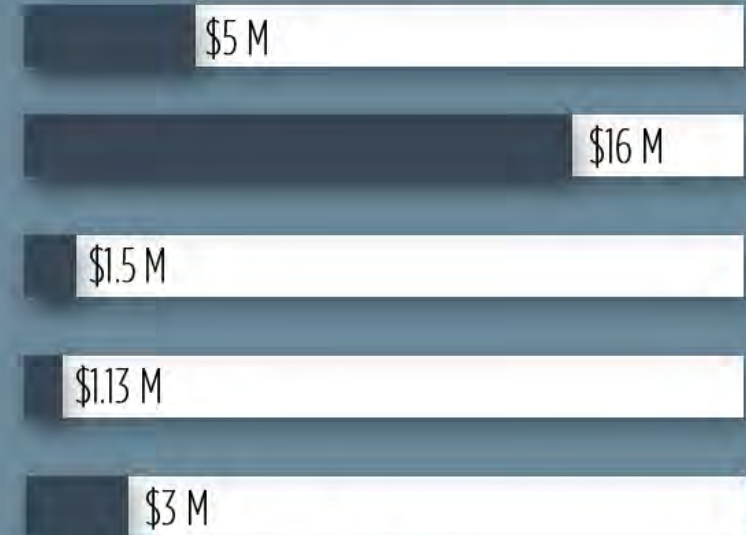
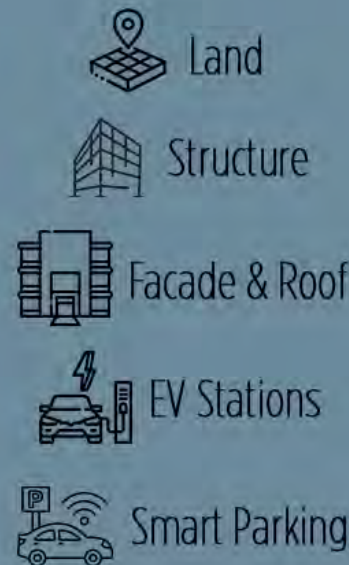
Robotic Parking

VS

Concrete Parking



\$29.5k /space



\$35.5k /space

In addition, a Robotic Parking Garage provides for an about 13% p.a. depreciation

Land

Space allocated for the parking garage.

Structure

Cost of support structure

Facade & Roof

Blend the facade to the architectural theme.
First impression matters.

EV Stations

Charging stations for electric vehicles.

Smart Parking

Wayfinding, revenue & access control, reservation system, mobile app, security, valet

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

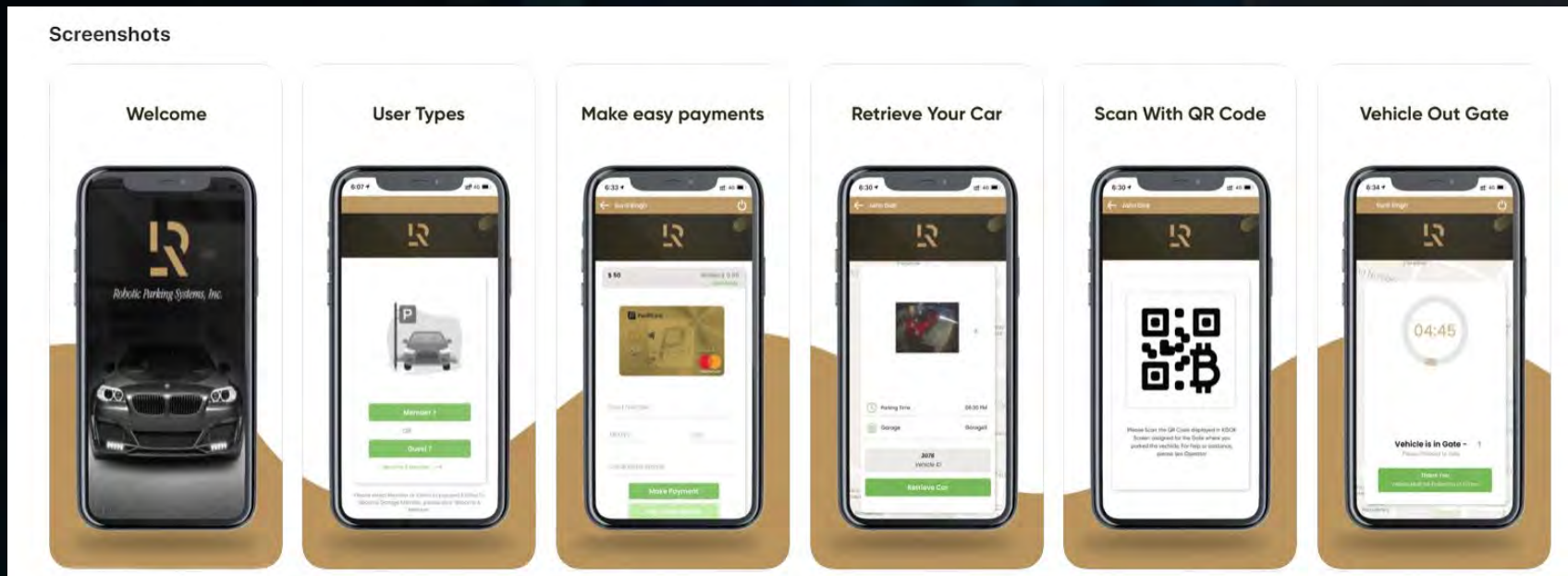


USER CONVENIENCE

Premium Valet Experience — Contactless & Elevated

- Touchless parking with NFC (near-field communication) card, FOB, or app on a smartphone
- No valet handoff — patrons keep their keys and no tipping
- Safer, faster, and more convenient than traditional valet

Automated parking goes beyond efficiency—it delivers a premium experience designed for modern expectations. After passengers exit, the driver simply initiates parking using a touchless device or app. The fully contactless process enhances convenience and security. In short, it elevates the parking and retrieval experience.



INTEGRATED EMERGING TECHNOLOGIES - CASE ⁽¹⁾

- **Connectivity** - Powered by GE Automation's Complicity® software, the system operates on an open network to send and receive data.
- **Autonomous Driving** - In partnership with Bosch, the system supports parking for self-driving cars. ⁽²⁾
- **Sharing & Services** - Built-in communication features manage car sharing, fleets, and vehicle servicing.
- **Electrification** - Equipped for automatic EV charging—owners simply plug in at the entry terminal.
- **Digital Twin** - Every Robotic Parking garage includes a digital twin for advanced monitoring and management.



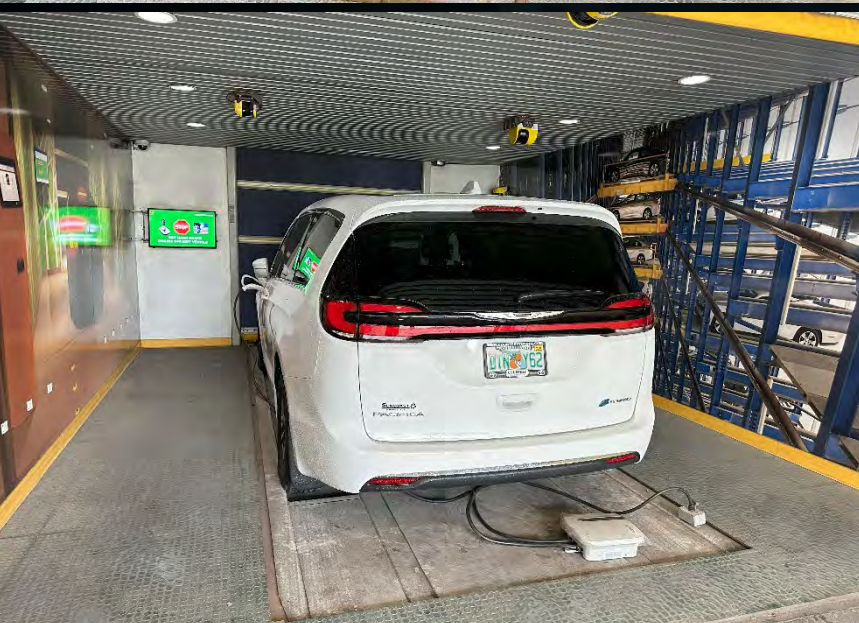
(1) CASE strategy as defined by Mercedes-Benz at the Paris Automobile Show.

(2) Evolving technology.



INTEGRATED EMERGING TECHNOLOGIES

AUTOMATIC LEVEL 2 CHARGING



- CONVENIENCE
- DOUBLE THE UTILIZATION RATE
- HALF THE COST

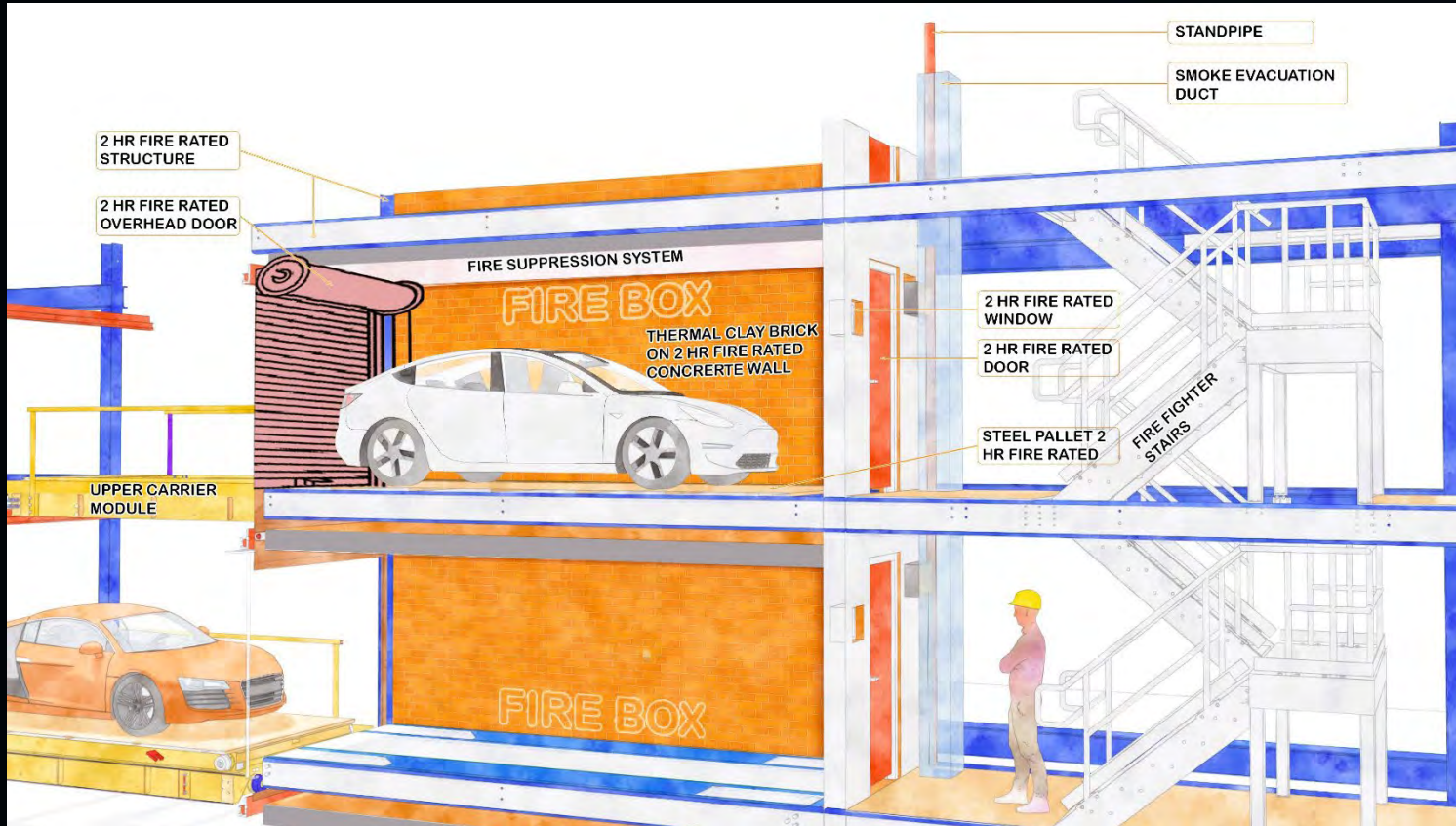
EV drivers using traditional parking chargers must constantly monitor availability, charging time, disconnect and move their cars once charging is complete—sometimes even facing tickets or fines if they remain in the space too long. This creates inconvenience and forces drivers to interrupt their schedules.

With Robotic Parking, vehicles can safely charge while stored, without the pressure of availability, time limits or the need to return mid-day. Drivers are free to focus on their daily activities, knowing their cars will be fully charged and ready when they return.



INTEGRATED INTO EMERGING TECHNOLOGIES

THE FIRE BOX: REVOLUTIONARY SOLUTION



THE FIRST
FIRE SAFE
GARAGE
IN THE
WORLD

Robotic Parking Systems' FIRE BOX ⁽¹⁾ represents a groundbreaking advancement in addressing the risks associated with EV battery fires in parking structures.

Unlike traditional firefighting methods, the FIRE BOX aims to prevent a fire from escalating (spreading to other vehicles) by swiftly relocating the vehicle to a safe, controlled environment for fire mitigation.

(1) Robotic FIRE BOX patent pending 2025.



SIGNIFICANT POSITIVE 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

HCO | 2,001 lbs.

NOx | 1,031 lbs.

TIRE DUST | 96 lbs.

BRAKE DUST | 17 lbs.

- Significant carbon footprint reduction
- Earn up to 17 LEED points
- Sustainable, reusable building design
- Cleaner, healthier environment
- No exposure to harmful fumes or particles





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— ALWAYS AHEAD —



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THE FIRST AND LAST IMPRESSION COUNTS.

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