Robotic Parking Systems, Inc.

ALWAYS AHEAD

ROBOTIC INNOVATION & MOBILITY HUB

THE KEY TO INTEGRATED SMART CITY DESIGN

Dramatic changes in our urban transportation ecosystem have prompted a shift in how we view parking assets. As always, these assets will be the key to the efficient ebb and flow of our next-generation mobility and need to be designed with the Smart City in mind.

GUINNESS WORLD RECORDS

LARGEST AUTOMATED
PARKING FACILITY

THE ULTIMATE SMART CITY VISION

It has long been said that “failing to plan is planning to fail.” Nowhere might this be truer than in our ever-expanding urban centers. While transportation-related technology has made disruptive changes in the way people are mobile, many of our cities are playing catch up.

By 2030, we can predict an increase in passenger miles traveled, a drop in mass transit commutes, and more traffic congestion if cities do not leverage the latest technology as a part of their transportation and urban mobility strategies. Bringing this vision to actuality is what will set leading Smart Cities apart from those cities that are simply not evolving.

If properly planned for, commuters will opt for greener public transportation options, locals and tourists will zip through designated lanes on shared micro-mobility scooters and bikes. Additionally, there will be an increase in ride-sourcing, car sharing and other forms of transportation. All of this will be seamlessly coordinated and enabled through personal smart devices.

THE C.A.S.E. STRATEGY FOR SMART CITIES

In the ultimate Smart City vision, urban mobility will be center stage with sustainability at its core.
The key to bringing this all together will be the strategy to transform the “parking garage” into a multi-purpose hub that incorporates the principles of the C.A.S.E. strategy as defined by Mercedes Benz in the Paris automobile show.
Robotic Parking has incorporated this strategy as a driving design factor in its Robotic Parking Innovation & Mobility Hubs.

CONNECTIVITY

With our fully automated parking system and Cimplicity software, we are connected and can share as much or as little as needed by design.

AUTONOMOUS DRIVING

Our partnership with BOSCH facilitates the seamless parking of autonomous driving vehicles in all our robotic parking hubs.

SHARING & SERVICES

Car sharing, fleets and other services can be accommodated in our robotic parking hubs as the network and communication infrastructure is in place and proven.

ELECTRIFICATION

Our Robotic Parking EV Charging Station© is available for Level 2 charging at all our robotic parking hubs. Simply plug the charger into the pallet at entry and unplug upon exit - everything else is automatic.

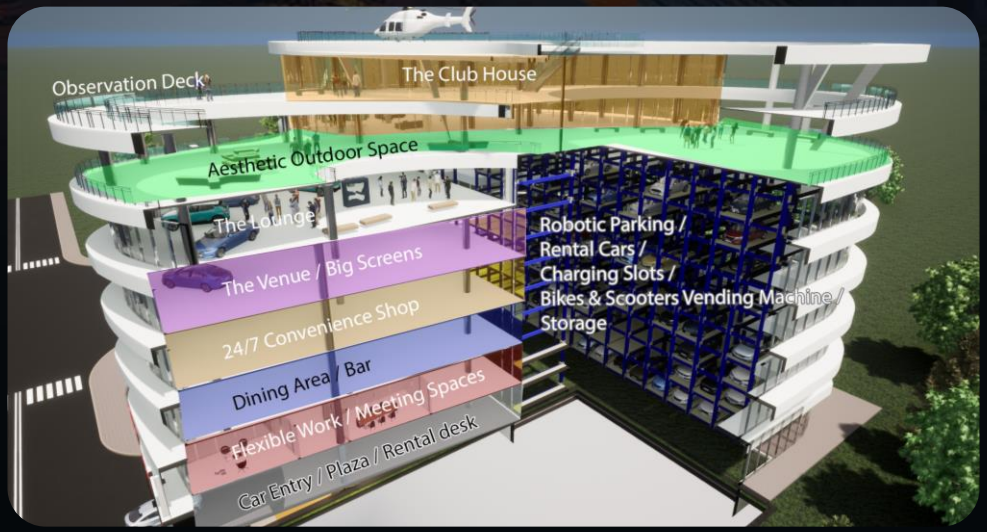
THE URBAN PARKING FACILITY REINVENTED

Right or wrongly, parking and its availability, or lack thereof, is a defining factor in the urban landscape. In fact, a downtown or commercial area fails or succeeds based on the parking it has or doesn't. The solution is not simply more or better parking. But rather parking that creates a seamless transportation and logistics system- a system with increased accessibility and resources for its direct users as well as the growing ecosystem of multi-modal transportation consumers. Robotic Parking Systems has been on the forefront of creating a new "parkadigm" since 1994 with its patented robotic parking technology.

The first phase of this evolution was to create a more efficient, safe, and effective parking solution, handling more cars quickly on a smaller urban footprint. As technology and the diverse number of transportation options have appeared over the last 25 years, Robotic Parking Systems has grown and expanded its offerings. This new strategy embraces the concept of mobility as a service and transforming parking structures into the hub of an integrated Smart City approach.

FEATURES OF ROBOTIC PARKING INNOVATION & MOBILITY HUB

- WiFi Centers / Mobile Charging Stations
- Personal Lockers / Safe Storage
- First Aid Stations
- Currency Exchanges
- Guidance / Wayfinding
- Real Time Information Kiosks
- Connectivity to Public Transit
- Clubhouse Area
- Lounge Area
- Conferencing Space
- Dining & Bar Areas
- Flexible Work & Meeting Spaces
- Car Storage
- EV Charging Service
- Scooters & Bikes Storage



AUTOMATED PARKING VS. TRADITIONAL GARAGES

IN PARKING, LESS IS MORE

Parking cars in half the space means greater development capacity, higher ROI, and better quality.

END THE “FIND MY CAR” GAME

Robotic Parking clients are not only safer, they are also happier. “Find My Car” is not a fun game.

ENVIRONMENTALLY FRIENDLY

Enclosed parking garages do pose an issue with carbon monoxide (CO) and other harmful toxic emissions.

AUTOMATED PARKING VS. TRADITIONAL GARAGES

WE LOOK BETTER

Our exterior facades blend in with surroundings, look better, and come at less cost of a traditional concrete parking garage.

FEEL SAFE NOT SCARED

Criminals are more active in quiet, unlit areas. Per the US Dept. of Justice, “Parking lots and garages are the third most crime-prone areas in the country”

COMFORTABLE NOT CRAMPED

No backing in, squeezing, and ducking to get space between car - our terminals provide comfortable space for parking customers. All parking terminals can be ADA compliant.

INDUSTRY LEADER

- First to build and utilize simultaneously operating robots for parking - three axis independent motions.
- Certified highest peak traffic throughput (cars/hour) in the industry,
- Played a key role in developing a) NFPA 88A fire safety codes for automated parking and b) UAE Civil Defense codes to guide future robotic parking garages in that region.
- Built the first automated parking systems in the US and the Middle East.
- Guinness World Record holder for the Largest Automated Parking Facility.
- Leader in the integration of emerging transportation technologies including a partnership with BOSCH for autonomous driving vehicles

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