



**GUARANTEED LOWER
DEVELOPMENT COSTS!**

Premium Robotic Parking Systems for Less Than Conventional Concrete Garages

One of the common misconceptions about robotic parking is that it costs more per parking space than a conventional concrete garage. While this can be true if land costs are low, a robotic parking garage is **GUARANTEED** to **ALWAYS** save developers money if land costs are \$80 to \$100 or more per square foot.

Why is this always true? Because a [Robotic Parking System](#) uses half the land area for the same number of parking spaces as a conventional concrete garage.

Take a look at the chart below that compares the construction and development costs:

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ROBOTIC PARKING SYSTEMS IS EXPANDING THROUGHOUT THE WORLD

Robotic Parking Systems has knowledgeable representatives around the world.

We have recently been expanding in Canada, Russia, Turkey, Brazil, Saudi Arabia, Belize, Guatemala, Honduras and other countries.

[Learn more.](#)

INTERCHANGEABLE PARKING AND CONTAINER STORAGE

Robotic Parking Systems has storage containers that easily allow spaces not needed for parking to be used for other purposes such as the storage of office documents or household goods. Simply, containers are utilized instead of the pallets used for cars. The automated machinery moves and stores both the car and the container in the same manner.

The storage containers are the same dimensions (7 x 19 x 7 ft. 8 in. / 2,100 x 5,740 x 2030 mm) as the vehicle pallets making the system components fully modular and interchangeable.

[Learn more.](#)

Construction / Development Cost	Conventional Garage	Robotic Parking System
Number of spaces	450 spaces / 40 ft high	450 spaces / 40 ft high
Land area needed	300 ft x 130 ft / 39,000 sq ft (1)	200 ft x 100 ft / 20,000 sq ft (2)
Land cost @ \$150 sq ft	\$5,850,000	\$3,000,000
Construction cost per space	\$18,500	\$22,000
Construction costs for 450 spaces	\$8,325,000	\$9,900,000
Soft Costs	\$850,000	\$850,000
(Land + Construction Costs + Soft Costs)	\$15,025,000	\$13,750,000
SAVINGS		\$1,275,000

(1) Estimated minimum efficient lot size for a conventional garage. If the lot size decreases, then the cost per space increases due to the additional levels required and the greater proportion of ramps to parking spaces.

(2) Minimum lot size for a Robotic Parking System is 100 ft x 100 ft without increasing cost per space.

In this example, you can easily see that the savings in the cost of the land more than makes up for the additional construction cost of the automated parking system. The total development costs (including land, construction costs and soft costs) are lowered by \$1,275,000 just by using a Robotic Parking System instead of a conventional concrete garage.

Additional benefits include:

- ❖ reduces carbon footprint , CO2 emissions and other pollutants and greenhouse gases – earn up to 17 points toward LEED ® certification just by using a Robotic Parking System. This is 50% of the points required for silver certification. To achieve the same number of LEED points using other building materials and methods could cost the developer an estimated additional \$500,000.
- ❖ robotic parking offers an estimated annual operating cost savings of \$462,500 as compared to a conventional ramp garage (based on comparison costs from *The Garage of the Future Must be Green* by Samuel Schwartz PE)
- ❖ premium valet service without the valet
- ❖ greater security for people and their vehicles – drastically reduces risk of personal injury – virtually eliminates dings, dents, theft and vandalism to vehicles
- ❖ true redundancy and unprecedented uptime – no single machine failure will ever result in the system being inoperable
- ❖ underground applications save as much as 50% on the excavation and underground works in addition to the other savings outlined above

❖ can use any type of facade to blend into the project or neighborhood

Given the data above, the reduction in capital expenditure for a 450 space Robotic Parking System is about \$1,775,000 * (\$1,275,000 + \$500,000) (* with a land cost of \$150 per sq ft). Annual operating expense savings are \$462,500 which capitalized over a period of 10 years represents an additional estimated \$4.6 million advantage to the owner.

[Learn more.](#)



CONTACT US

Call us today for more information on how Robotic Parking Systems can help you create space for design, green space, or more revenue.

ROBOTIC PARKING SYSTEMS

**THE BIGGEST IDEAS IN
AUTOMATED PARKING**

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WORLD'S
LUXURY GUIDE PERFECT LIFESTYLE

Luxury Parking

... a few architectural works of art that prove that even parking can be luxurious...

Robotic Parking Systems' Ibn Battuta Mall garage in Dubai ranked as the third most luxurious garage in *The World's Luxury Guide*. Here's an excerpt from the article:



In metropolises where space is scant and valuable – New York or Tokyo for example – parking space is crammed into every last crevice: automatic parkades stack cars on top of each other. The largest of

these is found (despite ample space, ironically) in Dubai. The Robotic Car Park in the Ibn Battuta Mall (the world's largest theme park/shopping center/recreational facility) offers space for 765 vehicles and can rearrange 250 of them within an hour – an automatic parkomat in New York can't even claim a tenth of this capacity. ... [Read the full story.](#)

Other luxuries included in the publication are the John Travolta estate in Ocala, Florida; The Versailles in Orlando (both about 100 miles from Robotic Parking's headquarters in Clearwater, Florida); Oprah Winfrey's and Will Smith's estates along with Hearst Castle and others in the US.



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