



Connecting a Façade to the Robotic Parking Systems Structure

When using a Robotic Parking System, architects, developers and planners have true creative freedom and can hang any type of facade onto the clean outside structural support system of the automated garage. Each facade can be made to blend seamlessly into any project or neighborhood.

Robotic Parking Systems installs its industrial lifts, machines, pallets and the computer control systems inside the supporting structure and never interferes with the façade.

The steel or concrete supporting construction of the Robotic Parking System accepts any façade whether choosing a half-timbered, GRC, brick, aluminum, light weight concrete or hollow core elements, or glass façade.

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The garage can be designed to fit harmoniously into its environment. Entry / exit terminals can also be integrated into the façade environment, while observing both visual as well as functional criteria.

The façade and roof can be attached to the Robotic Parking System supporting structure and do not need be free standing and self supporting. All the façades shown on our [web site](#) and in our [photo gallery](#) are connected to the supporting structure of the Robotic Parking System.

Here are a few examples:



HISTORIC OR INNER CITY DISTRICTS

Parking for businesses and tourists in historic or inner city districts can be a major challenge for architects and developers. No one wants to see an ugly ramped parking structure that is totally out of character for the area. Some jurisdictions have even introduced ordinances that demand an enclosed façade in order to enhance the fabric of building façades.

This is where Robotic Parking Systems can help. An automated parking structure can store twice as many cars in half the space so the footprint required for the parking facility can be much smaller. Additionally, the facade can be completely customized to fit the architectural requirements of the environment.



DOWNLOAD ROBOTIC PARKING SYSTEMS AUTOCAD FILES

Create Space for Your Project

Robotic Parking Systems manufactures high-speed automated parking structures from hundreds to thousands of cars. Architects and developers can use 50% less space for parking the same amount of cars and create more space for design and development.

By reducing the land area used for parking, the Robotic Parking System gives projects opportunities for more revenue generating space. Or, the space saved can be used for green space and open areas to help meet LEED standards.

The flexible, modular Robotic Parking Systems can be built above ground, underground, inside a building, on top of a building or under a building. These AutoCAD drawings will help you plan how a Robotic Parking Systems can create space for your project.

[Click here to download AutoCAD files for several models of the Robotic Parking System.](#)

If you don't have AutoCAD you can use the free DWG TrueView viewer which can be accessed from the link above.

Robotic Parking Systems Ensures Uninterrupted Operation With Uptime Assurance from Stratus

Instead of driving up and down parking garage ramps in search of an open space, how about driving into a street-level “terminal” and letting an automated valet system do the parking for you? Robotic Parking Systems makes this possible in cities around the world today, relying on the unmatched uptime assurance of Stratus Technologies to keep the car park humming with uninterrupted precision night and day.

Taking up only half the space of a traditional car park, a Robotic Parking Systems garage is a ballet of automation and IT orchestration.

Sophisticated software controls the platforms, lifts, motors, sensors, and other mechanical gear that transport vehicles to an open slot in a multi-story steel shelving system. Different size bays accommodate sedans and SUVs, improving space utilization. Retrieving a car takes under three minutes and each entry/exit gate typically handles an average of 30 cars per hour depending only upon the user’s time in the terminal.

The entire system is engineered with extreme redundancy to guarantee uninterrupted operation. Duplicate mechanical components and systems ensure that if one machine requires maintenance or repair, a back-up is already operating to keep cars moving in and out of the garage. The same philosophy applies to IT with two complete systems, including redundant Stratus servers, ensuring a worst case scenario -- cars can’t be retrieved because of a system failure – doesn’t happen. Backing all that up is an emergency power generator with automatic transfer switch that kicks in if there’s a power outage.

Like the garage’s mechanical elements, Stratus ftServer systems are built to prevent failures. Each of the two servers in a garage is fully redundant with components operating in parallel within a single enclosure.

[Click here to see the Robotic Parking Systems Case Study written by Stratus Technologies.](#)



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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.

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