

Parkolay

ADAPTIVE • CREATIVE • INNOVATIVE

▶ **ParkMatrix sets a new standard in parking technology**

Revolutionary self-driven pallet parking system



▶ Think Beyond The Limits!

Integrate ParkMatrix to maximize efficiency and elevate your projects.

Your limited spaces will turn into efficient, high-performing parking solutions.

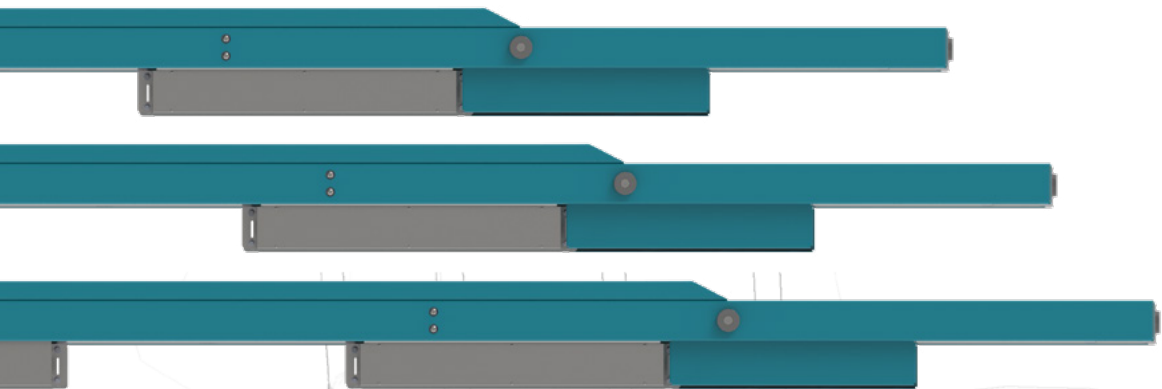
▶ Maximize Space With ParkMatrix

Offering a smooth, fast, and secure parking. Plus, with effortless installation and eco-friendly benefits.

We're making parking smarter and practical.

Your space may be limited, but our solutions are boundless!

park **matrix**





► Self-Driven Stackable Pallet System x3 Performance

ParkMatrix innovative self-driven parking system transforms traditional parking into a space-saving, high-performance solution.

The system's advanced algorithm optimizes manoeuvres, reducing time loss and delivering a faster, smoother parking experience.

When the number of vehicles decreases, movements are reduced, and the parking process becomes much faster.

Seamlessly integrated into the architectural phase, the system ensures optimal results.



Puzzle System

Unlike traditional shuttle systems, the puzzle system eliminates obstacles like columns, enabling seamless access even in tight spaces.



Quick & Effortless Installation

This hassle-free, plug-and-play system saves time and effort by offering a practical solution for installation requirements.



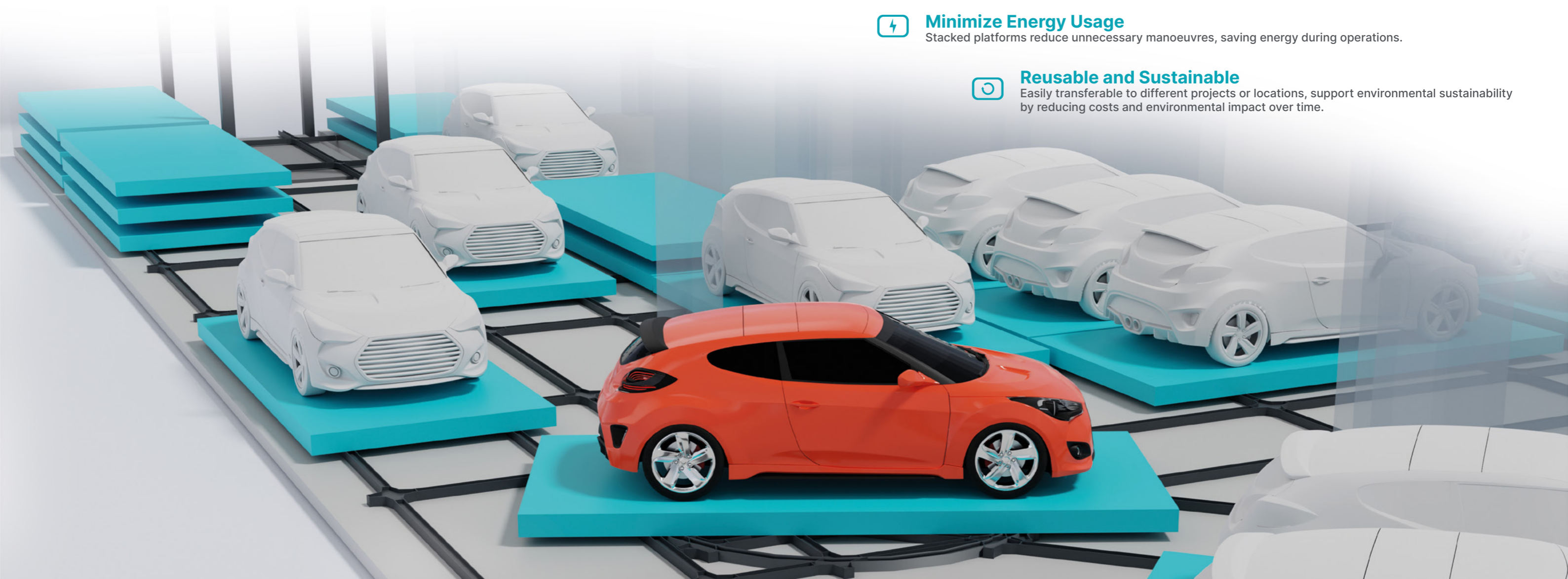
Minimize Energy Usage

Stacked platforms reduce unnecessary manoeuvres, saving energy during operations.



Reusable and Sustainable

Easily transferable to different projects or locations, support environmental sustainability by reducing costs and environmental impact over time.



Product Overview

for Compact Spaces

Designed to meet parking needs in small residential projects and narrow plots.

for High-Demand Parking Areas

Offers the perfect solution by maximizing capacity.

for Complex Projects

Easily integrates into challenging layouts with corners, columns, or limited spaces, ensuring maximum usability and zero dead zones.

for Space-Restricted Locations

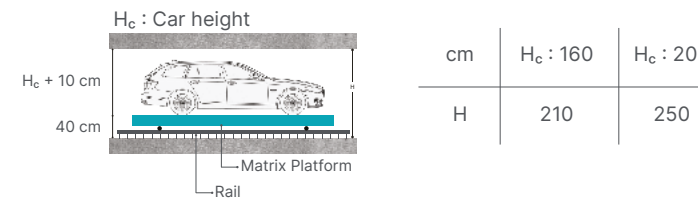
Optimizes efficiency in narrow or irregularly shaped plots.

Technical Specifications

Dimensions

L:5350 x W:2200 (mm) Standard*
L:5250 x W: 2100 (mm) Max. car dimensions*

*Optional: Different dimensions can be selected.



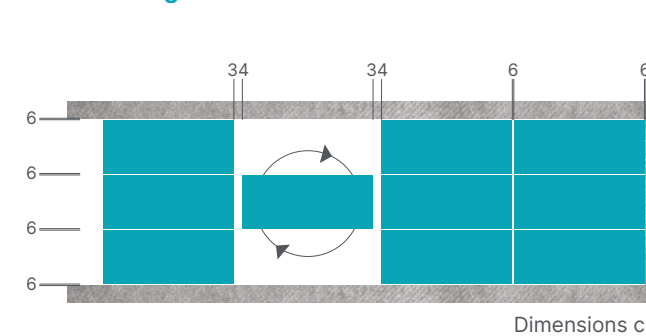
Vehicle Weight Capacity

Max. 2500 kg (Standard)
Max. 3000 kg (Optional)

Operating Speed

Max. 1 m/s
Operating Precision Positioning accuracy of 3 mm is achieved using laser reflector sensors.

Rotation Angle



Battery Capacity

55 Ah

Battery Charging

Fully Automated (Self-charging without human intervention)

Detachable EV Charging - Plugergo

Available for all existing systems

Chassis Material

Steel

Chassis Coating

Epoxy Paint

Drive Rail Material

Steel

Drive Rail Coating

Hot-dip Galvanized

Standards / Certifications

2006/42/EC Machinery Directive
EN 14010:2003+A1:2009
ISO 9001:2015

Advantages of the ParkMatrix System

Maximum Harmony with the Building Space Optimization

More compact elevator and elevator spaces.

Independent Rotation Points

Rotation possible at any point on the site.

High System Capability

Battery-Powered Autonomous Parking Platforms

Equipped with four self-drive motors providing up to 1 m/s directional change speed.

EV Charging Capability

Electric vehicle charging can be provided for every parking space.

Quick Direction Change

Rotation of parking platforms is completed in just 3 seconds.

Quiet Operation

Wheels made of castamide material ensure very quiet performance.

High Precision

Near-perfect positioning accuracy of approximately 3 mm.

Easy Installation

Simple Rail System

Independent of building conditions.

Simplified Cabling

Charging points on each parking platform reduce overall wiring requirements.

Reduced Installation Complexity

Includes only the elevator, its components and the rail system, ensuring minimal installation time and complexity.

Support of After Sale Services

Easy Maintenance and Repair

Repair, replacement, and maintenance tasks are easy to perform, even while vehicles are parked in the facility.



parkmatrix

Think beyond the limits!

Maximize Space With Parkmatrix



parkolay.com

For collaboration and inquiries, reach out to us.

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