ECO Park

Culture Aboveground, Function Underground

ECO Park is an automated car parking facility developed with the concept of "Culture Aboveground, Function Underground". With a compact entrance/exit booth ensuring minimal footprint aboveground, the ECO Park has an underground parking capacity of 50 or more cars.
**Features**

**Safe, Environment-Friendly Design**

ECO Park blends in with its environment and offers a swift deposit/retrieval. Its robust design, construction and efficient use of space keeps vehicles dry, safe from theft and protected. This is mutually beneficial for users and landowners.

**Example of Entrance / Exit Booth**

The compact entrance / exit booth blends in with surrounding environment and allows landowners to utilise the aboveground space.

**Flexible entrance/exit options**

Flexibility in designing the entrance / exit directions to adapt to surrounding traffic and environment.

**Examples of designs**

- Shared entrance / exit
- Pass-through
- 90-degrees
- Customised exit

**Examples**

- Type M : 17.1m  |  Type L : 18.29m

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**Flexibility in designing the entrance / exit directions to adapt to surrounding traffic and environment.**
Highly efficient deposit / retrieval operation

Deposit

1. Take card from ticketing machine, drive into the booth
2. Park the vehicle and check surroundings, confirm safety and begin deposit operation.
3. Door will close and vehicle will be deposited automatically.

Retrieval

1. Insert parking ticket into machine
2. Vehicle is retrieved automatically and door will open once completed.
3. Drive vehicle out of booth.

Ticketing Options

IC Card
Can be used repeatedly

Magnetic Strip Cards
Tickets can be issued for temporary users.

Vehicle Types

ECO Park can fit various types of passenger vehicles including sport cars, SUV, vans and wagons.

Vehicle Types

**Type M**

| A. Total Width | Max. 1900mm |
| B. Total Width + Side Mirrors | Max. 2150mm |
| C. Total Height | Max. 2000mm |
| D. Total Length | Max. 5000mm |
| E. Wheelbase | Min. 1810mm Max. 3100mm |
| F. Front Bumper to Rear Axle | Max. 3995mm |
| G. Rear Bumper to Front Axle | Max. 4105mm |
| H. Weight | Max. 2200kg |
| I. Minimum Body Height from Ground | Min. 80mm |

**Type L**

| A. Total Width | Max. 2020mm |
| B. Total Width + Side Mirrors | Max. 2270mm |
| C. Total Height | Max. 2300mm |
| D. Total Length | Max. 5400mm |
| E. Wheelbase | Min. 1810mm Max. 3250mm |
| F. Front Bumper to Rear Axle | Max. 4300mm |
| G. Rear Bumper to Front Axle | Max. 4400mm |
| H. Weight | Max. 2500kg |
| I. Minimum Body Height from Ground | Min. 80mm |

**Deposit**

Drive vehicle into the booth, park the vehicle and insert the parking card.

**Retrieval**

Insert parking ticket and start retrieval operation.

**Speed**

27-seconds retrieval

Vehicles can be retrieved within 27 seconds (fastest) with an average of 32 seconds*. The prompt retrieval greatly reduces waiting time and congestion.

*Time measured for type M.

ECO Park is designed for high efficiency with a forward motion for both entry and exit, without the need for complicated manoeuvres.

Vehicles can be retrieved within 27 seconds (fastest) with an average of 32 seconds*. The prompt retrieval greatly reduces waiting time and congestion.

**Vehicle Types**

**Type M**

- Sedans/Coupes
- Vans

**Type L**

- SUVs
- Sports Cars
Safety
High Design Safety
Sensors and monitoring camera are set up to ensure safety.

Guidance Display
(Above Entry Door)
Displays message for easy use

Entry Detection Sensor
Detects passage of people and vehicles into/out of the booth for proper use.

Monitor
Monitoring camera set inside the booth will provide users with live visual images of the booth.

Motion Detectors
(Inside Booth)
If motion detector detects any movement inside the booth, operation will be halted

Earthquake Detection Sensors (Underground)
An earthquake exceeding 100 gals will trigger an automatic halt to protect the vehicle.

Functional Structure - Easy to relocate / reuse

Relocation/Reuse

Planning/Design

Construction

End of use

Fulfilling Function

Rapid Construction
The simple construction process enabled by the Press-in Method allows for completion of one unit in as short as two months.

Space-saving Construction
Integrated, compact machinery allows for construction in tight quarters, limiting impact on the surrounding environment and transportation networks and maximizing cost-efficiency.

Noise and vibration free construction
Construction using Giken’s Silent Piler will minimise noise and vibration compared to conventional methods. This will allow construction to be done without disturbing the environment.

Giken’s original construction method [Press-in method] minimises construction period, space, noise and vibration. The framework is also designed for easy removal after use.

Design • Construction Concept
"The right function for the right time."
The ECO Park is designed to be a “functional structure”. Taking into consideration the fact that parking may become unnecessary, it allows simple deconstruction and removal, leaving the environment in its original state. The materials removed can also be reused, contributing greatly to a sustainable society.
Support
Reliable Customer Support

In case of any malfunction within Japan, the emergency alarm will notify our support centre and operations can be restored remotely. Technical personnel will be dispatched promptly in case remote restoration is not possible.

Our Support System

24/7/365 Support

Toll-free Call
Remote Operation/Guidance
Emergency Alarm
Monitoring
Dispatch Request
Local Dispatch

Real-time Monitoring
Cameras installed in the ECO Park provide 24 hour monitoring capabilities; staff can respond promptly and accurately.

※Customer Support in international markets to be developed and agreed on a contract specific basis.

GIKEN ECO Plaza
Visit us to see and learn more about the ECO Park

Address: Daido Shinagawa Building 1F, 1-6-35 Konan, Minato-ku, Tokyo
7-minute walk from JR Shinagawa Station Konan Exit (East Exit)

For more details, please contact us below.

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**Specifications**

<table>
<thead>
<tr>
<th>Mechanism</th>
<th>Elevator (Rotating)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>50 Vehicles (Standard Spec.)</td>
</tr>
<tr>
<td>Operation Method</td>
<td>Card Reader (Accepts Magnetic Strip Cards)</td>
</tr>
<tr>
<td>Average Vehicle Delivery Time</td>
<td>32 Sec.</td>
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</tbody>
</table>

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*For specification of M type, 50 Vehicles | Depends on product specifications.*

**GIKEN LTD.**

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*The ECO Park is certified under Japan's new Ministry standards.*
*Product specifications may change without notice*
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Global Network : Japan, Netherland, Germany, USA, Singapore, China, Australia