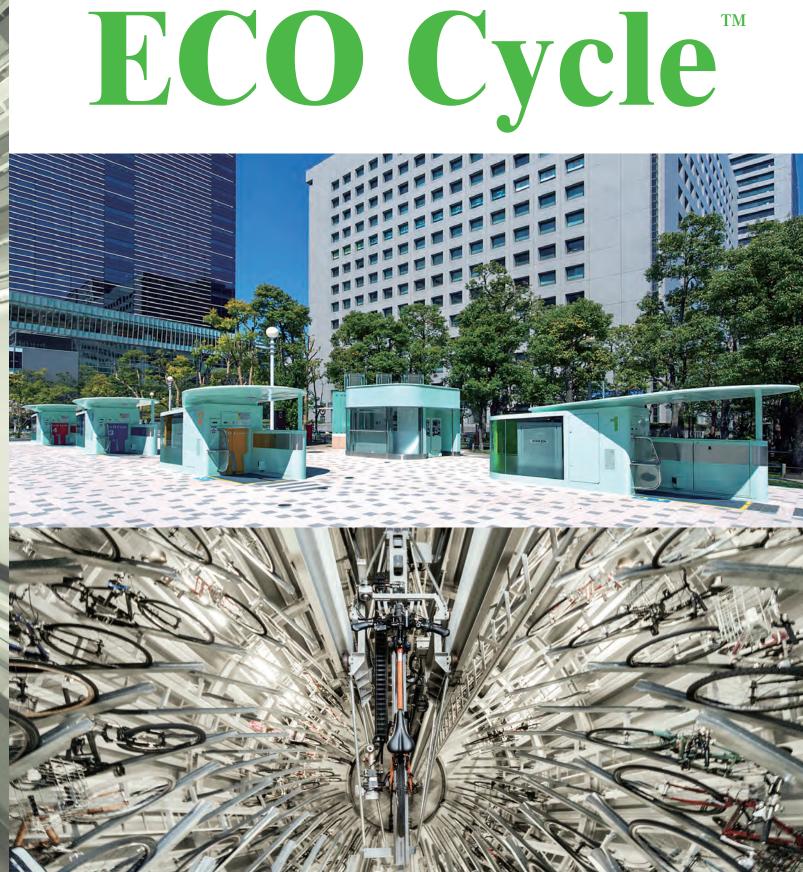
Automated Parking Facility ECO Cycle™





CONTACT US





| Specifications | |
|----------------|--|
| | |

| Mechanism | Elevator (Rotating) | | | | |
|--------------------|---|----------------------------|--|--|--|
| Capacity | 200 Bicycles (Standard Spec) | | | | |
| Operation Method | Card Reader (IC Card + IC Tag) | | | | |
| Retrieval time* | 15 Sec. (Average) | | | | |
| Usage Type | Monthly / One-time / Rental Cycle (Combined Use Possible) | | | | |
| | Tire Size | 18-28" | | | |
| | Tire Width | Max. 56 mm | | | |
| | Total Width | Max. 650 mm | | | |
| | Total Length | Min. 1400 mm, Max. 1950 mm | | | |
| Bike Specification | Total Height | Max. 1350 mm | | | |
| | Front Basket Width | Max. 580 mm | | | |
| | Rear Basket Width | Max. 530 mm | | | |
| | Weight | Max. 40 kg | | | |

Construction Solutions Company

Time from swiping card to exit door opening

*Product specifications may change without notice. *ECO Cycle is a registered trademark of GIKEN LTD. in Japan.



Ver 4.4EN01 / 15 Mar 2024



Automated Parking Facility ECO Cycle™ ECO Cycle™ Culture Aboveground.

Culture Aboveground, Function Underground

ECO Cycle is an automated bicycle parking facility developed with the concept of "Culture Aboveground, Function Underground".

With a compact entrance booth, it requires minimal space aboveground and provides more than 200 parking spaces underground.

It brings cultural enrichment to the city by promoting bicycle use and preventing disorderly parking.

ECO Cycle video





Features **Pursuit of Comfortable User Environments**

ECO Cycle offers a comfortable bicycle parking environment that satisfies both the users and the community by providing easy operation, fast storage and retrieval, and a design that blends in with the surrounding environment. In addition to providing protection from rainwater and theft, the robust construction can withstand an earthquake with a seismic intensity of 6 upper to ensure safe and secure use.

Underground Model

Based on the concept of "Culture Aboveground, model hasa structure with high accommodation booth that harmonises with the surrounding environment a comfortable space.

Function Underground," the underground efficiency installed underground. A compact is installed above the ground to create

Aboveground Model

The aboveground model can be incorporated into buildings without sacrificing accommodation efficiency and convenience of the underground model. By installing an exterior glass wall, this model becomes an attractive bicycle parking garage that adds an iconic feature to the building.



Achievements



Footpaths



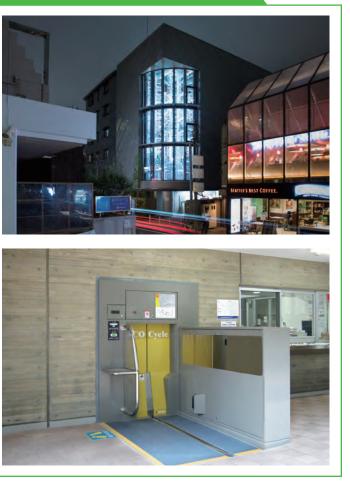


Complex facility (Underground)

8.4 m



Complex facility (Aboveground)



Speed **High Speed Retrieval**

The fastest retrieval time is 10 seconds (average of 15 seconds), which is the industry's fastest speed*. This performance ensures comfortable operation unaffected by congestion even during rush hours.

*According to our research in 2024



Push a button for storage and swipe a IC card for retrieval. **Simple Operation** Easy and simple operation made accessible to all users. Traffic IC cards can be used. Deposit The ECO Cycle automatically recognizes the tag attached to bicycles. Users can deposit with a single push-button. 2 Step back from the mat and 3 The bicycle will be stored automatically. Load a bicycle onto the rail. push the button. Retrieval Simply by swiping an IC card, user can retrieve bicycle within an average of 15 seconds. 3 The bicycle will be retrieved 2 Step back from the mat. Swipe the card. automatically. ECO Cycle can accommodate various type of bicycles, from **Supports Many Bicycle Types** commuting bicycles to mountain bicycles and electric bicycles. Example of bicycles that can be parked *Japanese Specification Electric bicvcl muting bicycles with baskets A Tire Size 18-28 B Tire Width Max. C Total Width Max. D Total Length Min.

- 4 Storage completed.

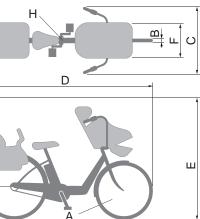




4 Retrieval completed.







| 8" | Е | Total Height | Max.1350 mm |
|------------------------|---|--------------------|-------------|
| . 56 mm | F | Front Basket Width | Max. 58 mm |
| . 650 mm | G | Rear Basket Width | Max. 530 mm |
| .1400 mm, Max. 1950 mm | Н | Weight | Max. 40 kg |

Safety **High Design Safety**

ECO Cycle comes with a complete set of safety features to ensure the safety of both the users and their bicycles.

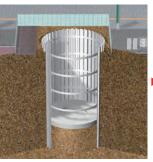




Construction Sequence

The Press-in Method, an original construction technology of GIKEN, minimises the construction period, space, noise, and vibration. The frame structure is designed for easy removal after use.

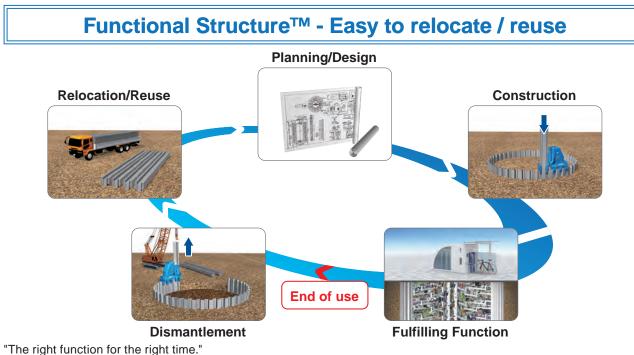




1. Install a specially designed piles to form a cylindrical wall using a dedicated press-in machine.

cylinder to create the underground

space



ECO Cycle is designed to be the "Functional Structure" considering up to the dismantling and removal phase when bicycle parking is no longer needed in the area. It can be easily removed, and its location can be restored to its original state by following the installation process in reverse order. The materials removed can also be reused, contributing greatly to a sustainable society.

Ecology **Design and Construction Concept**

The Press-in Method, an original construction technology of **GIKEN**, minimises the construction period, space, noise, and vibration. The frame structure is designed for easy removal after use.



2. Excavate the soil inside the 3. Install the mechanical equipment in the cylinder.



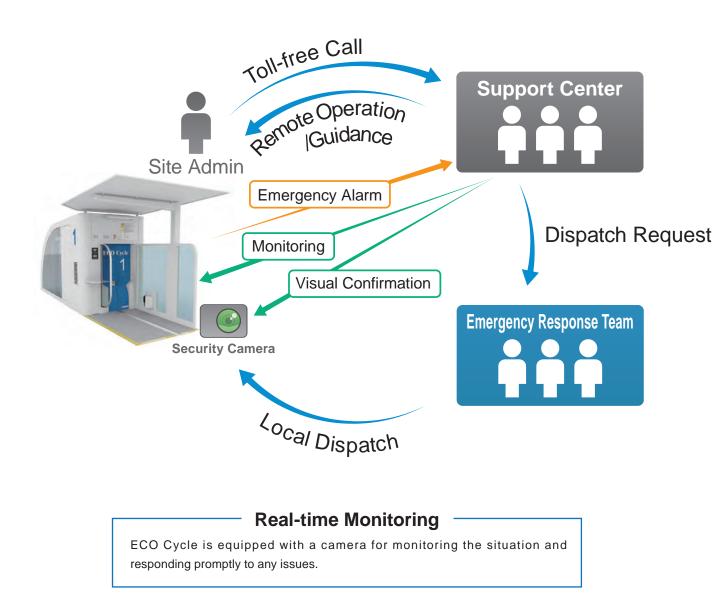
4. Finally the prefabricated entrance booth is fixed above ground.

Support **Reliable Customer Support**

Observation / CRIKEN Visit Us

Our Support System

In case of any malfunction, the emergency alarm will notify our support centre automatically and operatons can be restored remotely. The technical person will be dispatched promptly in case remote restoration is not possible.



GIKEN ECO Plaza

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



For inquiries about visits, please contact us in advance.

GIKEN LTD.

Eco-design Business Department TEL : 03-3528-1629 FAX : 03-3527-6055 E-mail : eco-design@giken.com

