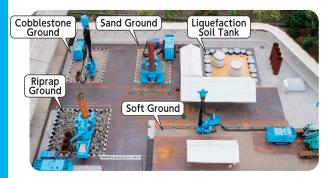


5 kinds of ground are reproduced and experiments are conducted by using real machines.



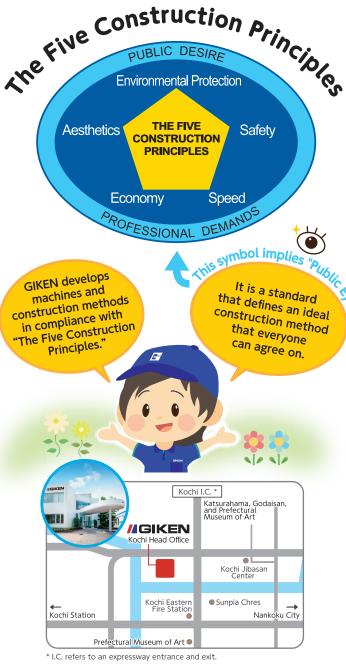
## **TSUNAMI** simulator

It generates tsunamis in a water tank to compare the performance of two types of levees, showcasing the robustness of the levee developed by GIKEN.









## **GIKEN LTD., Kochi Head Office**

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Welcome to GIKEN

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Implant Method Changes Worldwide Construction



Ver 1.2EN01 / 13 Jul 2023

## ECO Park<sup>™</sup>

### (Earthquake-Resistant Underground Parking)

It is an automated parking system that stores vehicles in the basement built with pressed-in piles. There is also a version for bicycles, which is called "ECO Cycle™".



Bicycle parking system that can be quickly assembled and easily relocated by applying the "ECO Cycle" technology.



It is a unique parking facility dedicated for ultra-compact EVs. While keeping the functions of the ECO Park. space-savnig, high-capacity designs and charging function have been added.

## **2** Kochi Head Office Factory



This is where new machines are developed and pre-shipment inspections are done.



## 3 Technical Center (GRB System<sup>™</sup>)

In the GRB System, no temporary scaffolding is required because all the equipment advances along top of already installed piles. Thus, press-in works can be carried out in various sites, including narrow spaces, high places and over water.

Pile Press-in Machine: SILENT PILER Power Source: **Power Unit** 

walks on piles that have been previously installed by the machine.

**4** Auger-Testing Equipment

# GIKEN machine

Pile Hoisting Machine: CLAMP CRANE

**Pile Transporting Machine** 

PILE RUNNER

We test auger heads' performance in grinding boulders and rocks. These

heads are essential for installing piles

into hard ground.

# Whole View of GIKEN Kochi Head Office

