

## Yamabiko's Biofuel Generator Takes Part in Japan's First Demonstration Project

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Yamabiko used a biofuel (RD\*) generator for the first time to charge and supply power to a battery-operated electric power unit developed by Giken Co.

※Giken Seisakusho News Release

[https://www.giken.com/en/news-cat/release/16\\_feb\\_2024/](https://www.giken.com/en/news-cat/release/16_feb_2024/)

※RD=Renewable Diesel

In July last year, we unveiled a concept model of a self-developed biofuel (RD) power generator for the first time at the "Kanto Grand Fair 2023".

Shindaiwa DGM600MK-P Biofuel (RD) Generator uses renewable diesel as fuel and can reduce CO2e (GHG) by up to 90% based on Life Cycle Assessment (LCA), while providing stable 60kVA power generation and contributing to a greener construction site. Contributes to the greening of construction sites.

In addition, power generation and fuel consumption can be remotely monitored using the cloud-based communication feature.



**shindaiwa®**

**マルチ発電機  
DGM600MK-P**

Product details : <https://www.yamabiko-corp.co.jp/shindaiwa/products/category/detail/id=12829>

Based on this participation in the demonstration project, we plan to use biofuels in nine diesel generators of different power output. This will further green the use of generators in the field.

We will continue to accelerate our contribution to carbon neutrality through all of our business activities.



#### ■ About Giken Co.

Giken manufactures and develops "Silent Piler®", the world's first practical application of the "press-in principle", and proposes and implements solutions that take advantage of its superiority. No vibration, no noise, space savings, no temporary construction, and rapid construction of durable infrastructure that can withstand earthquakes, tsunamis, and floods. The unique value of our press-in technology is helping to solve construction problems and prevent national land disasters around the world, and has been adopted in more than 40 countries and regions.

#### ■ About Biofuel (RD)

RD is a next-generation biofuel produced from waste cooking oil, waste animal and vegetable oil, and other raw materials that do not compete with food, and can reduce greenhouse gas emissions by about 90% compared with petroleum-based diesel oil on a life-cycle basis. It belongs to HVO (Hydrotreated Vegetable Oil) and is already widely used mainly in Europe and the U.S. In Japan, Itochu Enex Corporation is building a series of supply chains for RD transportation and refueling.