

## Successful supply of electricity from a hydrogen engine generator at the Formula E 2024 Tokyo E-Prix



Yamabiko Corporation (hereinafter "Yamabiko") and i Labo Corporation (hereinafter "i Labo") have jointly developed a demonstration hydrogen engine generator. The generator was used for the first time at the Formula E 2024 Tokyo E-Prix held in Ariake, Koto-ku, Tokyo on March 30, 2024.

The demonstration unit unveiled this time is based on Yamabiko's 100kVA Shindaiwa generator, which i Labo replaced with an engine that can run on hydrogen fuel through a "hydrogenation conversion". Since power is generated by burning hydrogen fuel, CO2 emissions during operation are reduced to a minimum.

The Formula E event site required a continuous supply of power essential for cooking and other operations for 10 food trucks, and the system performed as originally designed, providing stable, continuous operation and power for 7 hours from 11:00 am when the event began to 6:00 pm when the event ended. The system performed as planned.

Visitors to the exhibition were impressed by the "no smell of conventional diesel generators," "clean exhaust," and "smooth operating sound," and expressed their expectations for the use of diesel generators in a variety of situations.

The stable operation of this demonstration unit is a very significant step forward, and we hope that it will help accelerate the development of hydrogen infrastructure, which is a challenge, through the promotion of the use of hydrogen engine generators in various situations by various companies and organizations that are interested in hydrogen engine generators.



On February 21, 2024, Yamabiko announced that 19 models of Shindaiwa generators and welding machines are compatible with biofuel (RD). This will contribute to carbon neutrality at construction sites, etc. Through its corporate activities, Yamabiko will continue to accelerate its contribution to achieving carbon neutrality.

■ About i Labo Inc.

Based on its experience in hydrogen engine research, i Labo aims for the early realization of decarbonization in the industrial field through the widespread use of "hydrogenation conversion", where existing diesel engines are replaced with engines that can run on hydrogen fuel by replacing parts, changing controls, and other means.

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