



Ken Okuyama Cars F61H Hydrogen Fuel Engine Project World Premiere in Abu Dhabi, United Arab Emirates

Ken Okuyama Cars (Headquarters: Yamagata Prefecture / President: Ken Okuyama) held the world premiere of its one-off F61H Birdcage on December 10, 2025, at The Ritz-Carlton Hotel in Abu Dhabi, United Arab Emirates. This event announced to the world the hydrogen fuel engine project Ken Okuyama Cars has been advancing in collaboration with FAST. (Future Automotive Solutions and Technologies(*1)). Additionally, a special preview of the F61H Birdcage was held at the Yas Marina Circuit harbor, where the F1 race took place, drawing the attention of F1 fans visiting from around the world.



The F61H Birdcage is the realization of Ken Okuyama Cars ongoing project to develop a high-performance, street-legal sports car powered by a hydrogen fuel engine, making it the world's first in this category. Utilizing an internal combustion engine similar to gasoline-fueled automobiles while prioritizing sustainability through zero carbon dioxide emissions during operation, this project promises to usher in a new future for sports cars.

Concerns over the practical lifespan of batteries and related devices have hindered sales growth, and while skepticism exists regarding the value of BEVs as classic cars, hydrogen fuel engines can breathe new life into internal combustion engines based on existing gasoline engines.

The F61H Birdcage was developed based on Ken Okuyama Cars latest one-off model, the Kode61 Birdcage. This model is a two-seater sports car featuring a front-mounted V12 gasoline engine and a barchetta body. Nominated for the Concorso d'Eleganza Villa d'Este and the Pebble Beach Concours d'Elegance, deliveries to customers are already underway.

The F61H is a hydrogen fuel engine vehicle powered by compressed hydrogen, featuring a 12-cylinder independent electronic hydrogen fuel injection system. Developed in collaboration with partner company FLAT FIELD Co., Ltd. (*2) based on an Italian-made V12 gasoline engine, it delivers performance rivaling gasoline engines and offers a sensual sound, including its exhaust note. It features a transaxle layout with a 6-speed manual transmission, and the hydrogen fuel tank is mounted at the rear. Furthermore, it can be refueled with hydrogen at current standard hydrogen stations. Ken Okuyama Cars will continue to develop even more advanced hydrogen vehicles in collaboration with FLAT FIELD Co., Ltd., the partner company for this hydrogen vehicle development project, which has conducted extensive research on hydrogen fuel.



*1 FAST – A Dubai-based investment company advancing a global automotive hydrogenation project

*2 FLAT FIELD Co., Ltd. – An engineering development company advancing the utilization of diverse energy sources, including hydrogen engines, based on environmental measures.

■ Press release Kit ■

Official Photos

https://www.kenokuyamadesign.com/oneoff/press/F61H_UAE/

■ Promotion Video ■

Driving scenes at Sodegaura Circuit and in the city

https://www.kenokuyamadesign.com/oneoff/press/F61H/movie/F61H_r.mp4

Animated video set in Abu Dhabi created by our company's designers

https://www.kenokuyamadesign.com/oneoff/press/F61H/movie/F61H_a.mp4



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