

New hydrogen-powered drone can fly for record-breaking 15-hour

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New hydrone Griffion H features a record-breaking 15-hour flight time

China's MMC drone company launched its new hydrogen-powered vertical take-off and landing drone – Griffion H – with the record-breaking 15-hour flight time. The Hydrone was launched last week at the InterGEO 2019 – the largest geoinformation fair in the world – held in Germany.

The Griffion H VTOL is powered by a patented high-efficiency metal bipolar plate hydrogen fuel battery with a maximum hydrogen storage capacity of 27L. It provides 15 hours of flight time when the drone is not loaded. And it can fly for 10 hours when carrying 3 kilograms (6.6 pounds) of payload, whereas according to the company, most drones in the market have a maximum 2-hour flight time.

It uses two rotors installed to each wing. The rotors are lifted off and then rotates forward through another rotor mounted at the rear wing. Along with extended flight time, Griffion H offers some more features include convenient operation, high security, wide-coverage, zero-emission, and low noise.

The VTOL is developed to provide different solutions for global customers in areas like surveying and mapping, rescue, security & protection, border scouting, and forest scouting. The company hasn't provided further details on its new Hydrone.

¹ <https://www.inceptivemind.com/griffion-h-hydrogen-powered-drone-fly-15-hour/9264/>