

# No engine but this model plane can fly up to 881km/h!

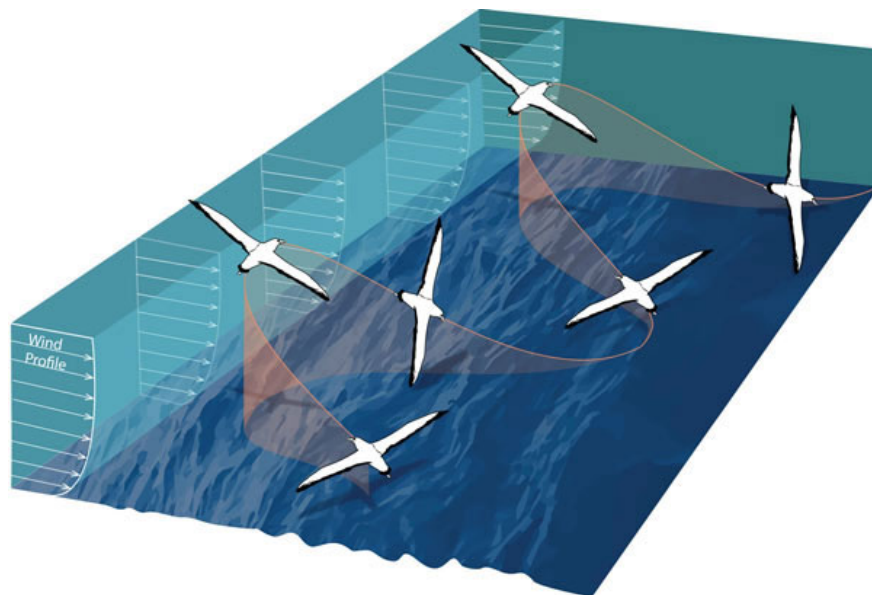
Spencer Lisenby's engineless remote-controlled aircraft (also known as a glider) was able to reach speeds of up to 881 km/h in a record-setting performance at Parker Mountain where there are northeasterly winds. very strong blow.

This roller coaster can even reach speeds of up to 933 km/h.

Except for not having an engine, this glider still has all the parts of an RC plane such as batteries, servos to control the wings, and a radio communication system to receive remote control commands.

To achieve this record speed Lisenby exploited an aerodynamic form called Dynamic Soaring. When the wind blows to the top of a hill, it can reach extremely high speeds. The fast-moving air mass passing over the hill will collide with the still air mass on the other side of the hill, creating air turbulence or shear layer.

Taking advantage of this air zone, the RC plane operator will fly the plane in a loop, get great lift and thrust in the wind direction to the top of the hill, then dive down into the static air mass, the height can be close to the top of the hill. ground and back into the fast-moving air mass above. This allows the remote-controlled model plane to fly almost forever without the need for an engine.



In nature, black-footed albatrosses also exploit the difference in wind speed created by waves to fly farther and continuously for long periods of time without flapping their wings.

In addition to Dynamic Soaring, Lisenby's glider can achieve such fast speeds because it was designed by aerodynamic experts from Germany and made of materials commonly used on sports cars.

As the glider flies through these loops, it can experience G-forces of up to 120G. G force is an inertial virtual force used to explain the relative acceleration of an object when changing direction or changing speed compared to when in free fall.

With a G force of only 9G, it is enough to make a normal person unconscious because blood cannot pump to the brain because the heart is squeezed.





You must have excellent control skills to be able to control a glider flying at speeds of up to 881 km/h, especially when not using automatic systems to assist in stabilizing the glider. .

Lisenby is a professional RC glider and a pioneer in glider design. He holds many world records for RC gliders.

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