



THE WORLD'S FASTEST ALL-ELECTRIC VEHICLE

Rolls-Royce have staked a claim for the world's fastest all-electric aircraft, setting 3 new world records. The data has been submitted to the Fédération Aéronautique Internationale (FAI) showing that the 'Spirit of Innovation' aircraft reached a top speed of 345 mph over 3 kilometres, smashing the existing record by 132 mph. The aircraft also achieved 331 mph over 15 kilometres and broke the fastest time to climb to 3000 metres by 60 seconds with a time of 3 minutes 22 seconds. During its runs, the aircraft clocked up a maximum speed of 387.4 mph which makes the 'Spirit of Innovation' the world's fastest all-electric vehicle.

Spirit of Innovation

WORLD RECORD CLAIMS

345 mph – 3 kilometres

331 mph – 15 kilometres

202 seconds – 3000 metre climb

PROPELLER ROTATION

2200 rpm

Twice as fast as a washing machine on high spin.



MOTOR POWER

400 kW

Equivalent of a 535 BHP supercar.



THERMAL PROTECTION

Portuguese Cork

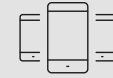
Battery heat is insulated using the same cork you find bottling wine.



BATTERY

6480 cells

Enough power to charge 7,500 phones.



CONTROLS

This all-electric racer features a state-of-the-art controls system, providing the pilot all the information required to fly safely and quickly.



AUXILIARY SYSTEMS

The Spirit of Innovation avionics bay contains the control hardware, including the engine control unit (ECU), power distribution unit (PDU), and flight sensors.

SYSTEM VOLTAGE

750 volts

High power output at low weight similar to a Formula E racer.



AIRFRAME

Nemesis NXT

An ultra-fast kit plane was chosen for the challenge.

