

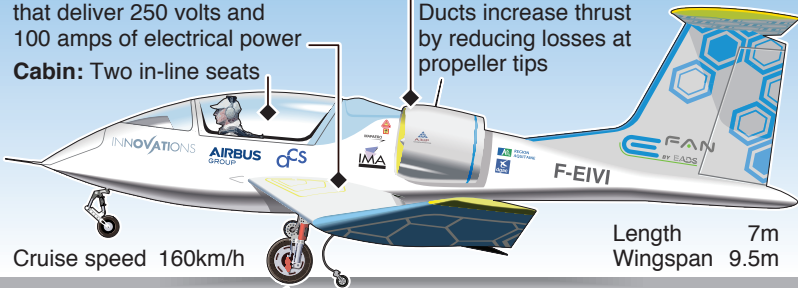
# World's first battery-powered airplane

The all-carbon fibre, all-electric Airbus E-Fan can cruise at 160km/h for up to an hour before changing batteries. Airbus plans a 90-seat regional airliner that can fly with all-electric or hybrid propulsion by 2050

**Inboard wing sections:** House 120 lithium-ion polymer batteries that deliver 250 volts and 100 amps of electrical power

**Cabin:** Two in-line seats

Twin 30kW variable-pitch, eight-blade, ducted-fan engines. Ducts increase thrust by reducing losses at propeller tips



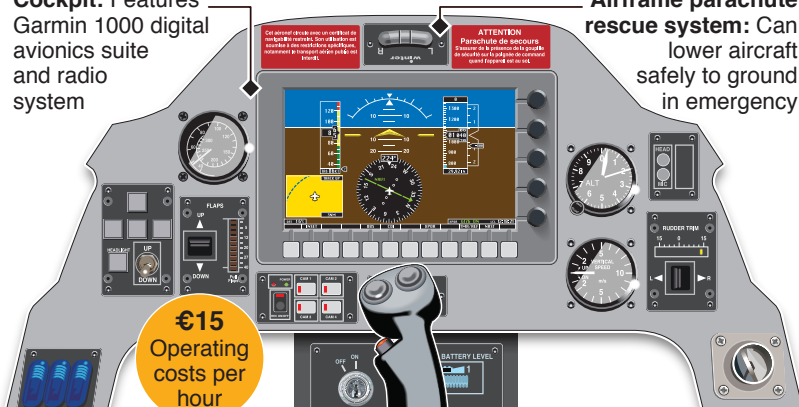
Cruise speed 160km/h

Length 7m  
Wingspan 9.5m

**Undercarriage:** Two retractable wheels and two small wheels under wings. 6kW electric motor accelerates aircraft up to 60km/h during take-off

**Cockpit:** Features Garmin 1000 digital avionics suite and radio system

**Airframe parachute rescue system:** Can lower aircraft safely to ground in emergency



€15  
Operating  
costs per  
hour