Joby Aviation is taking advantage of recent advances in electric propulsion to design and build an electric VTOL personal air vehicle, the Joby S2. The S2 is a two-seat tilt-rotor able to travel 200 miles with a cruise speed of 200 mph at five times lower energy costs than comparable existing VTOL aircraft. Electric propulsion enables much lower noise signatures than traditional VTOL aircraft, as well as a distributed propulsion architecture which improves safety by eliminating single points of failure. Using similar technology, Joby is also developing the Lotus long-endurance electric VTOL UAS, which employs novel wingtip rotors that function as wingtip extensions in cruise to improve efficiency.

*Off-center personnel will require a visitor’s badge. If needed, provide request to Robert Scott, 650-604-3919, or Robert.c.scott154.civ@mail.mil.*