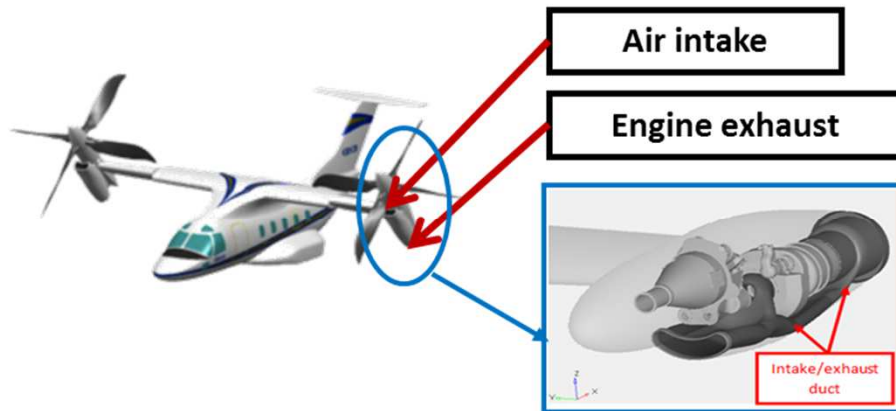


TILTOp : Multi-objective Aerodynamic Optimization of the Airframe-Engine Integration into the ERICA Tilt-Rotor Nacelle using innovative evolutionary algorithms



Improved aerodynamic behavior of the optimized intake-exhaust system, in terms of inlet total pressure loss, inlet distortion and exhaust back pressure, performance improvement of the inertial particle by-pass separator

**Estimated reduction in fuel consumption:
2.1% in cruise and 1.3% in hover**

