Raven 4

Polimi Aircraft Design Team
Politecnico di Milano

“A Technology for the Future”
High Speed VTOL Concept

Capability of operating in two distinct modes during the cruise and penetration phases it operates as a classic jet-propelled fixed wing aircraft, while two folding rotors mounted on the wings provide vertical flight capability.
CONVERSION TO AIRPLANE MODE
High Speed Vertical TakeOff and Landing

Rapidity and Agility

Multi-role aircraft

Maintainability and cost-effective
Mission

- Search and Rescue
- Infiltration
- War zone extraction
- Vip Transportation
- Air Support
- Transport of light supplies

The NOME DEL VELIVOLO has the longest range and the higher cruise speed than every other vertical Take-off and Landing vehicles, which permit to support army force in every mission and condition with high nonviabilities and flexibility.
Mission Performance

- Range: 1000 mn
- High Cruise Speed: 450 kn
- Runway independent multi-mission aircraft with operational reach and survivability to operate in military contested environments
- Low Downwash Hover Capability
- Payload Capability: 7300 lb

Ready for modern military mission to serve the next generation of warfighters
CARGO CAPABILITY

Up to 26 troops
Multirail Technology

New technology concept which makes possible the in flight opening and closing of the rotor with a simple approach ensuring reliability and robustness.
Ferry-Range Mission
4400 nm