

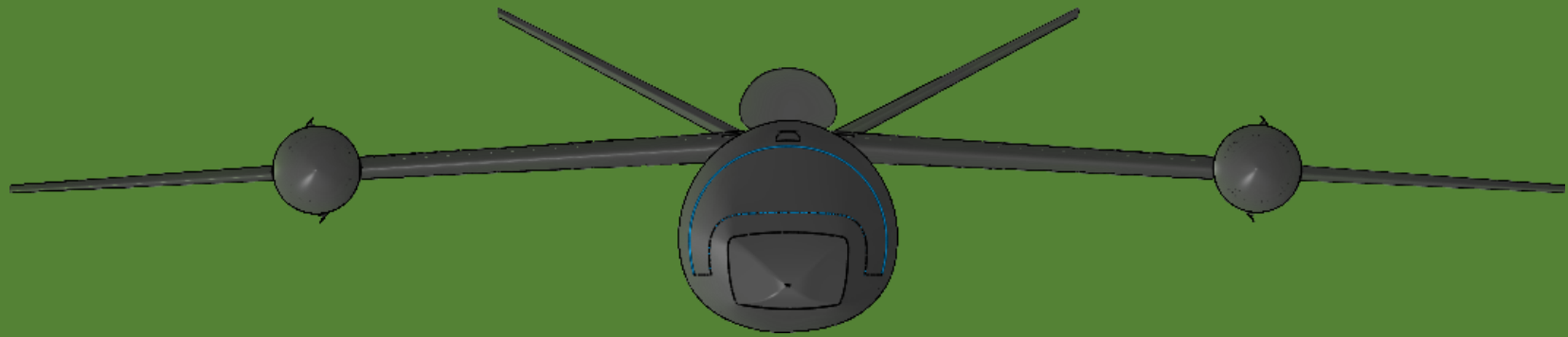


Raven 4

Polimi Aircraft Design Team

Politecnico di Milano

“A Technology for the Future”

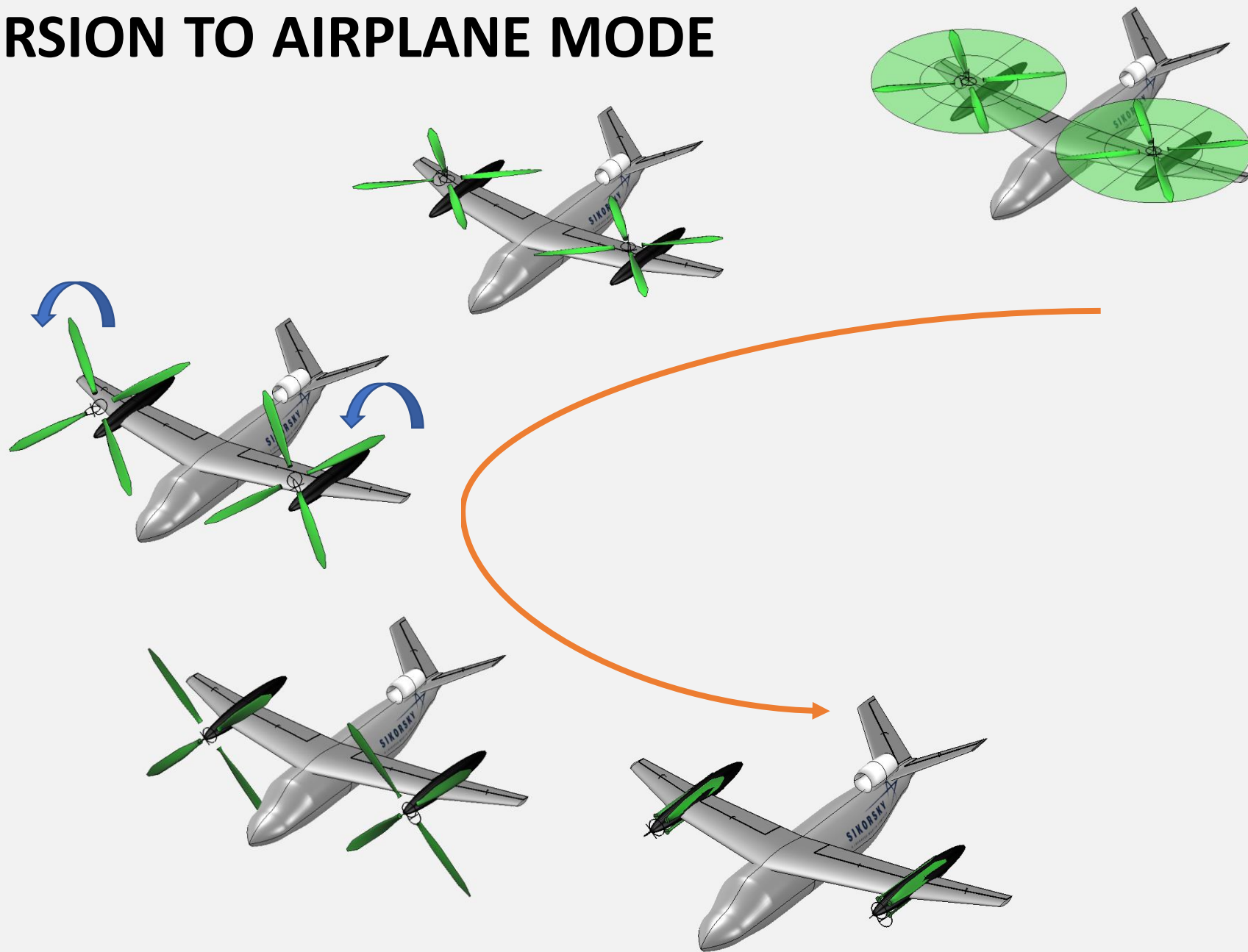


High Speed VTOL Concept

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.

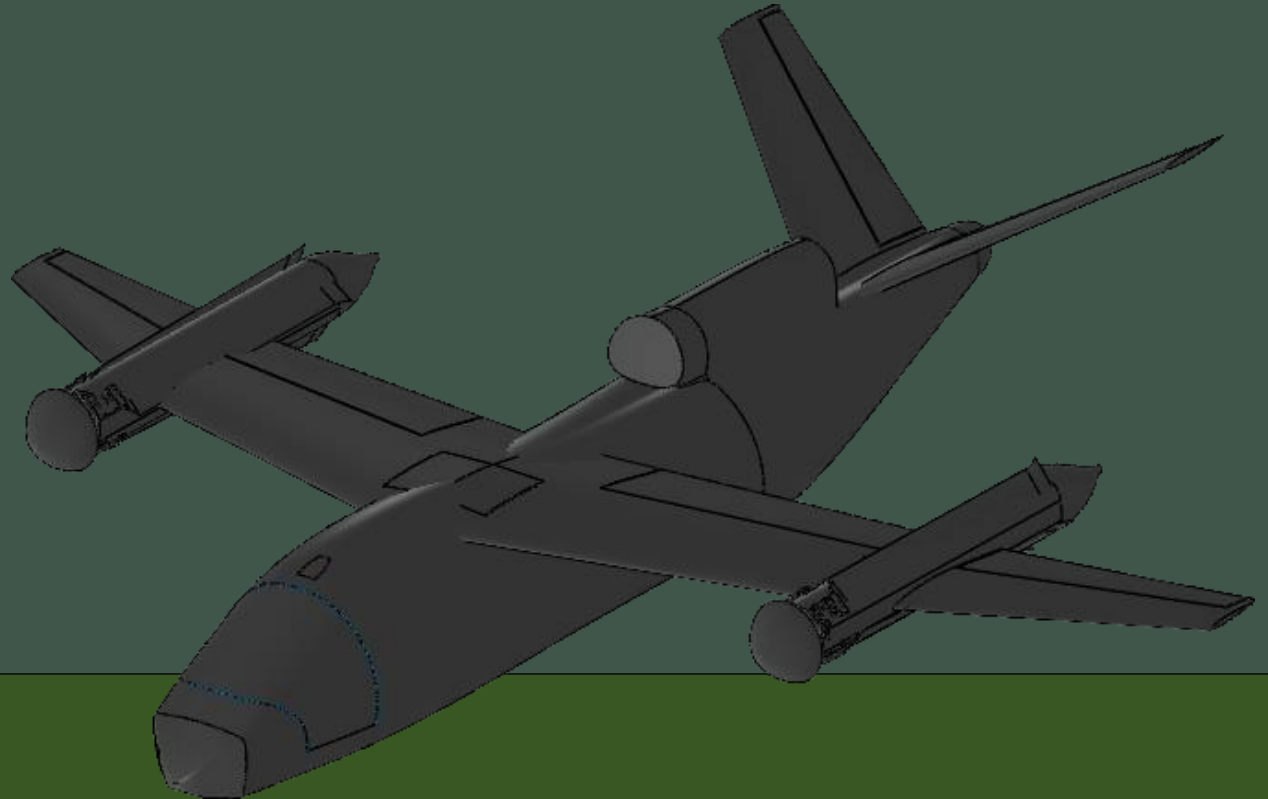


CONVERSION TO AIRPLANE MODE



High Speed
Vertical TakeOff
and Landing

Multi-role
aircraft



Rapidity and
Agility

Maintainability
and cost-effective

Mission

- Search and Rescue
- Infiltration
- War zone extraction
- Vip Trasportation
- 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 whit high nonviabilities and flexibility.

Mission Performance

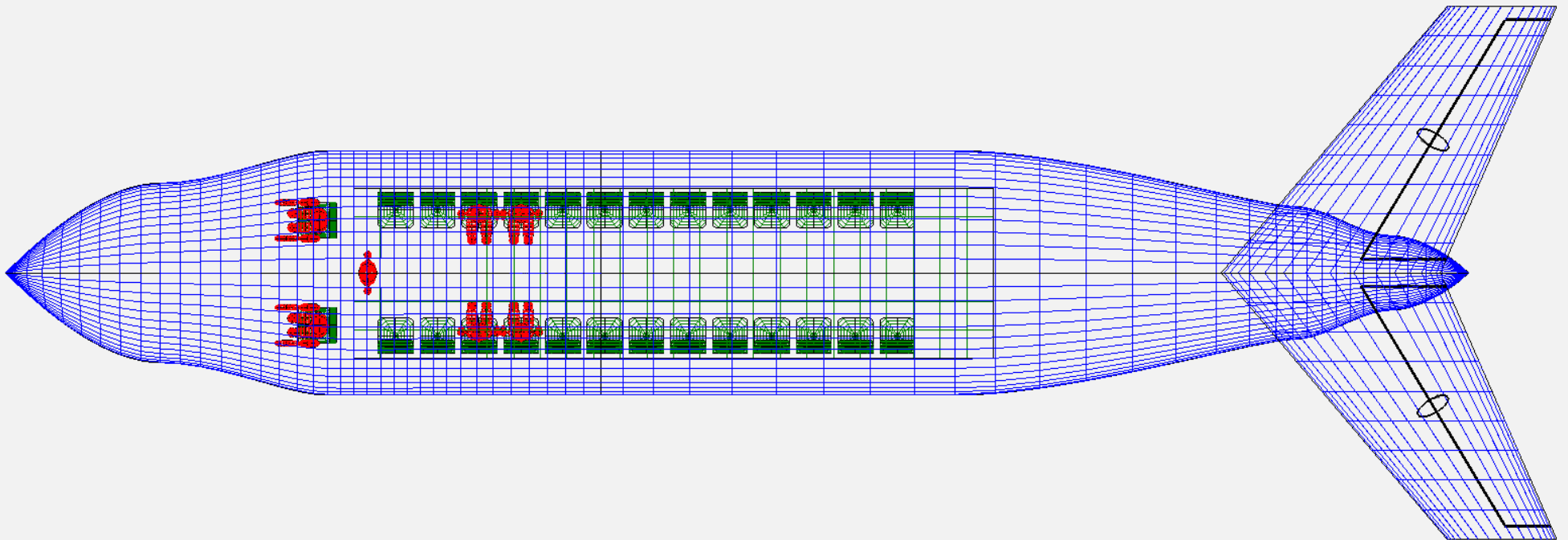
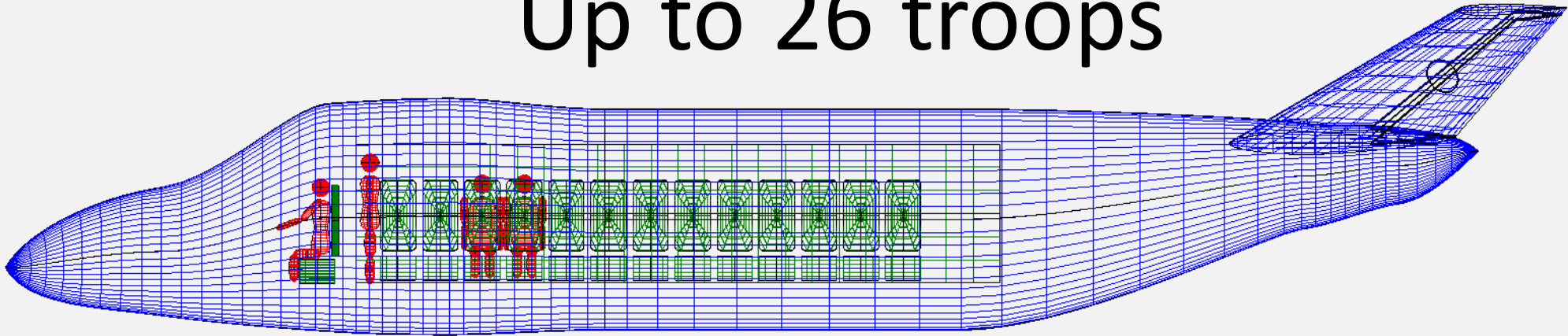
- Range : 1000 mn
- High Cruise Speed : 450 kn
- Runway independent multi-mission aircraft with operational reach and survivability to operate in military contested environments
- Low Downwash Hover Capability
- Payload Capability : 7300 lb



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

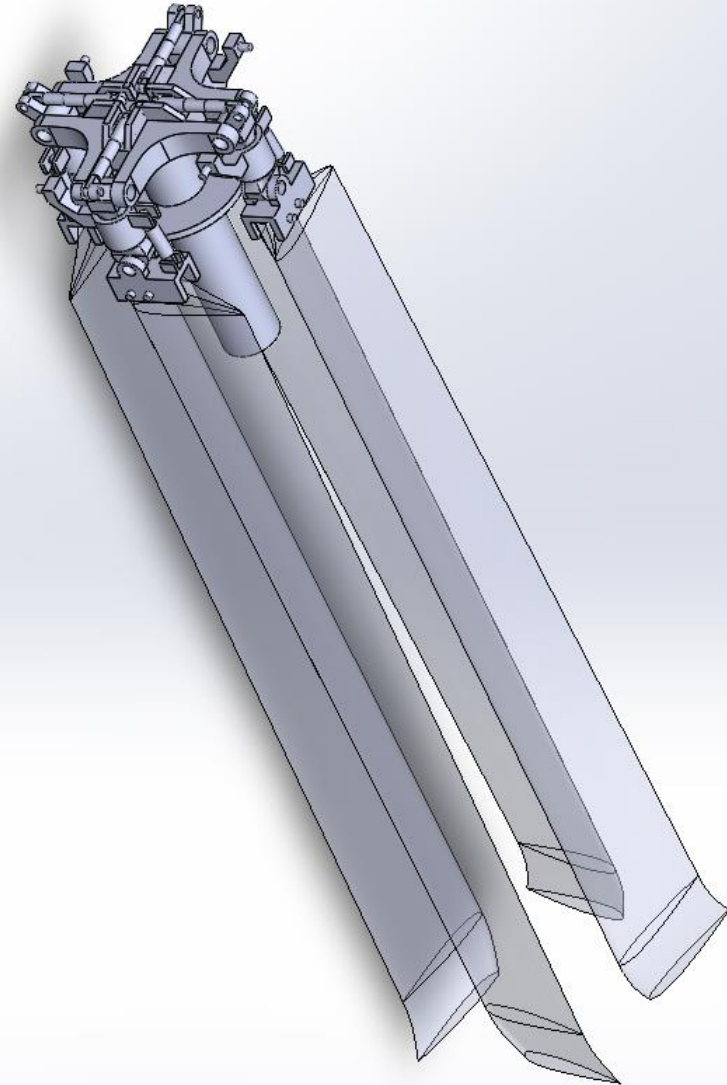
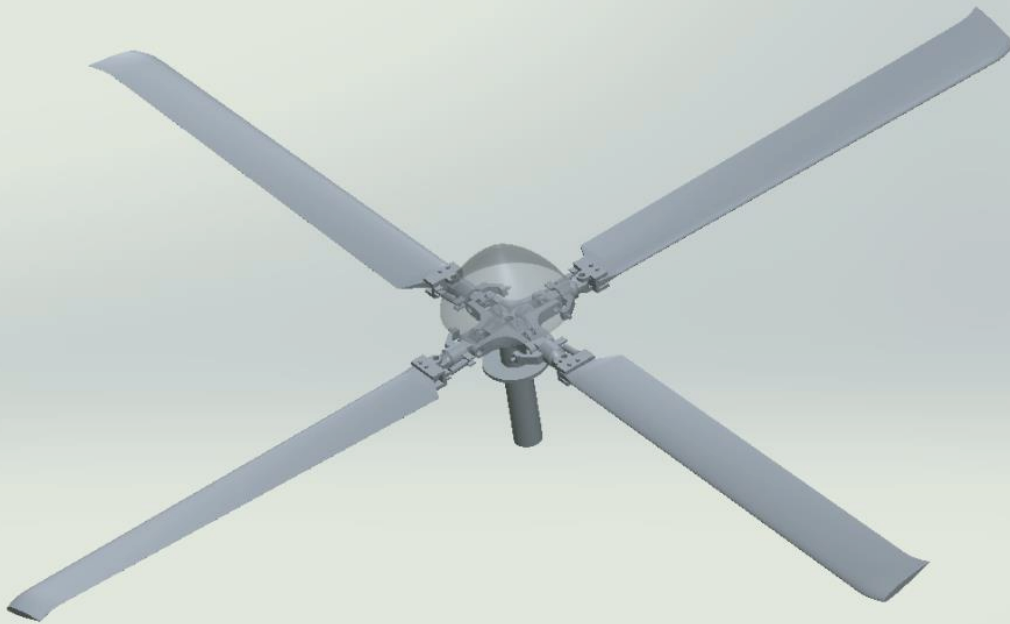
CARGO CAPABILITY

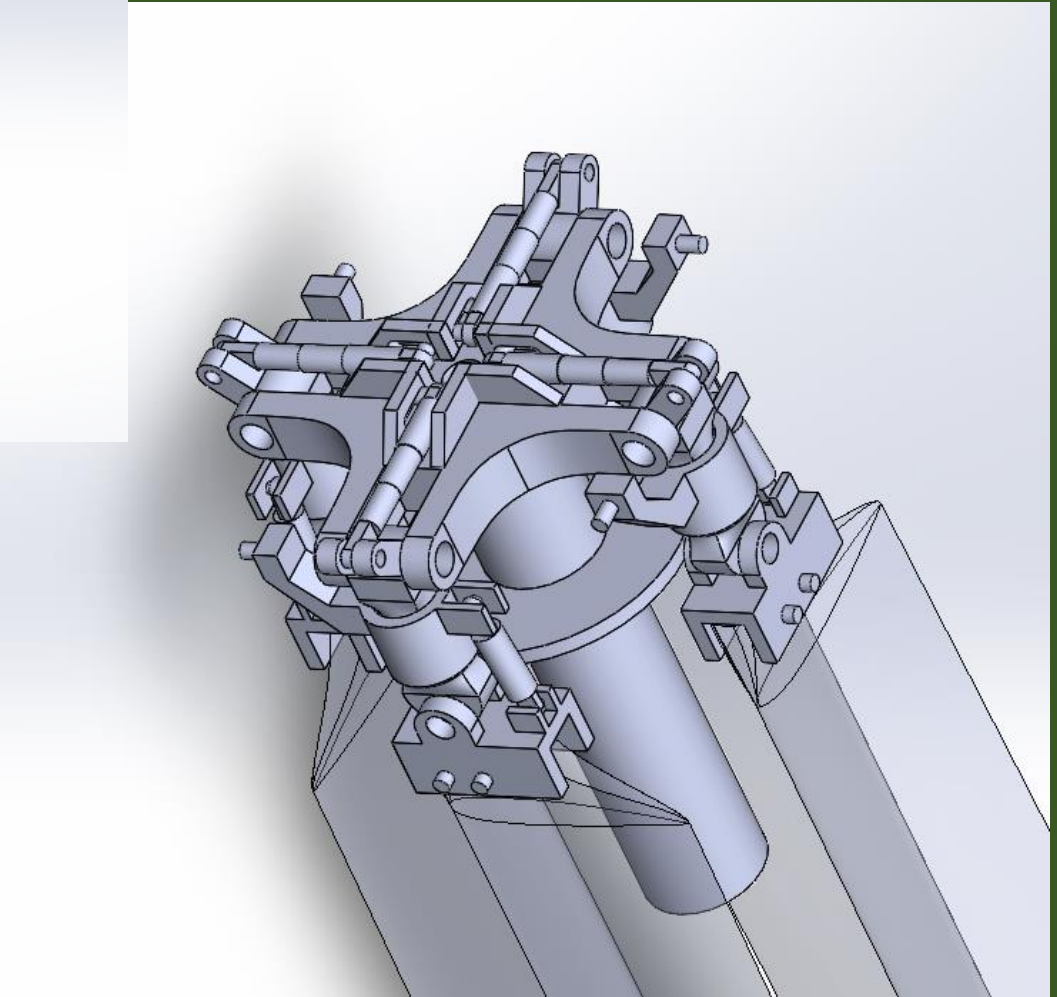
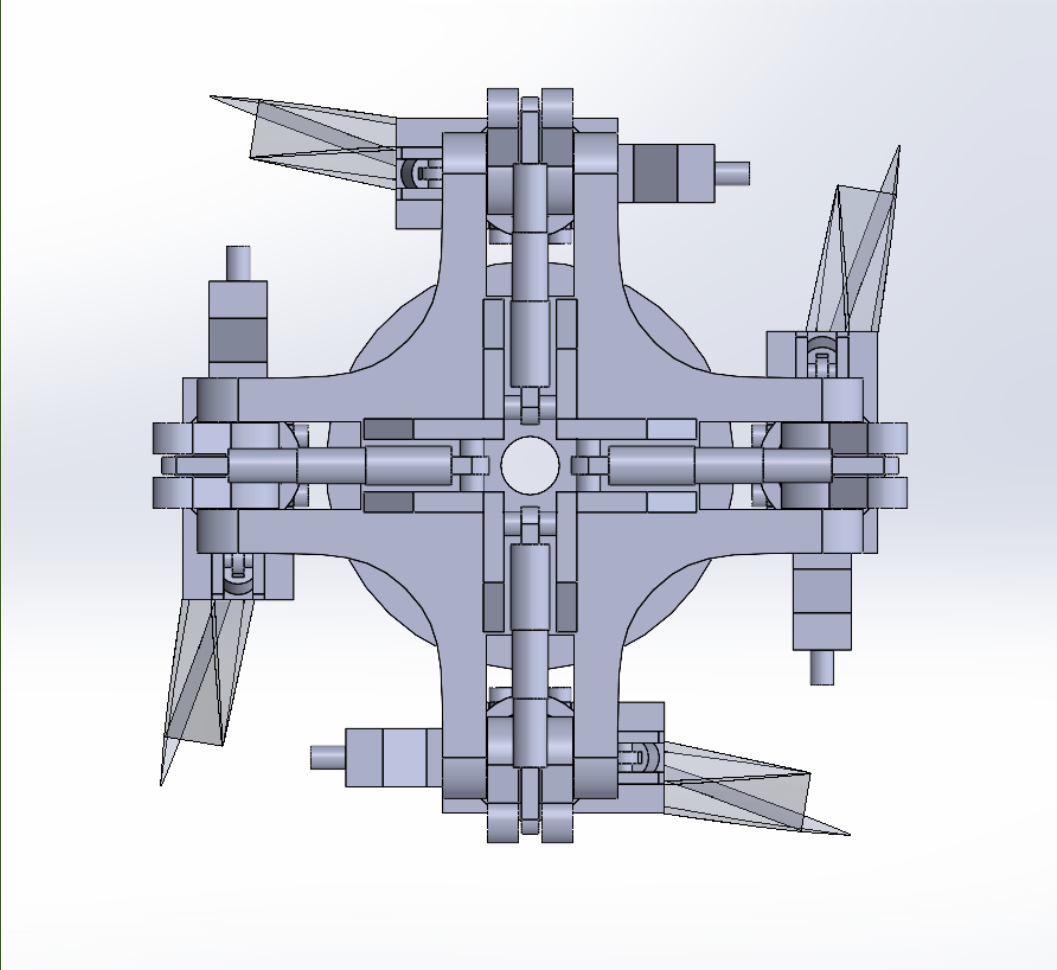
Up to 26 troops



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

SIKORSKY
A LOCKHEED MARTIN COMPANY



POLITECNICO
MILANO 1863



Vertical Flight
Society

PoliMI Aircraft Design Team