



USTRANSCOM Science and Technology

Autonomous Drone Delivery from Airdrop Systems

Project Summary: This project proposes the development of an air-droppable UAS capability for the purpose of conducting resupply mission in densely populated urban areas with complex terrain maps and dynamic wind conditions. This project will develop technologies that support JDDE focus area 'Delivery Technologies' and will concentrate on the need for stable nearly vertical landings from a gliding system designed for large horizontal stand-off.



Given the development of the Joint Precision Airdrop System (JPADS) by Natick Soldier Research and Development and Engineering Center (NSRDEC), its anticipated need to support logistics during urban missions and its expanded role in reducing Soldier load, emerging requirements dictate a need for increased payload accuracy in complex missions.

Benefit: Provide soldiers and squads on the move with point of need supplies necessary to complete their missions in complex austere environments.

Duration of project: FY18-FY21

Participants: US Army RDECOM, Natick Soldier RD&E Center

Project advocacy (funding or otherwise): USMC, CASCOM, SOCOM