



# Newsletter

## Aerospace Medicine Research Center

Fisher Brothers Institute for Air & Space Strategic Studies

Founded By the Israel Air Force Association

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### News:

**A new MedUAV technology alternative, developed by Lockheed Martin and Kaman Aerospace, is the KMAX advanced manned and unmanned helicopter systems.**

The MedUAV project is a concept design for medical resupply and Casualty Evacuation (CASEVAC) Vertical Take Off and Landing (VTOL) Unmanned Aerial Vehicle (UAV), Utilizing a new Mobile Life Support for Trauma and Transport (MLSTAT) system which have been introduced by Fisher Institute researchers.

The K-MAX helicopter, with its unique and quiet counter-rotating intermeshing rotor design that requires no tail rotor, delivers a great lift performance, including high-altitude capability.



The K-MAX helicopter is about to enter a new realm of safety and performance as an optionally piloted UAS that can be configured to conduct a multi tasks with its outstanding and useful payload of 6,000 pounds.

Lockheed Martin will ensure the Manned and Unmanned K-MAX is survivable and effective on the future battlefield.

With a small external modification, suggested by the Aerospace Medicine Research Center at Fisher Brothers Institute for Air & Space Strategic Studies, the K-MAX may be able to provide a better resupply medical logistic to combat medics and facilitate them to provide the best treatment, stabilization and subsequent evacuation of combat casualties from hostile situations.



Fisher external MLSTAT payload MedEvac configuration, may enhance the potential for appropriate first responder care and evacuation, performed by combat medics, during the so called "Golden Hour" of combat casualty care, utilizing the benefits and new abilities of the MLSTAT solution designed currently by MedUAV partners.

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